Environmental Site Assessment

Newberg OR LLC
1301 Wynooski Street
Newberg, Oregon
Yamhill County
(Former Westrock/Smurfit Newsprint Facility)

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EXECUTIVE SUMMARY

This Environmental Site Assessment (ESA) of the former Westrock/Smurfit Newsprint facility located in Newberg, Oregon (Site) has been completed to identify, to the extent feasible, "Recognized Environmental Conditions" (RECs) at the Site in conjunction with participation in the Oregon Department of Environmental Quality (ODEQ) Voluntary Cleanup Pathway (VCP).

The Site is located along the Willamette River at the southern boundary of the City of Newberg in northwestern Oregon. The Site consists of 141 acres. Facility paper milling operations included pulping; paper making and deinking; power generation; and wastewater treatment processes. The Site geology consists mostly of silt and clay formations with low hydraulic conductivity.

Facility operations began in 1892 and evolved throughout the years. Initial operations of a sawmill began in 1892; followed by unbleached sulfite pulp production in 1927; addition of paper production in 1965; adding deinking operations in 1979 to use recycled paper; and numerous upgrades throughout the years until the Site was idled in 2016 and then purchased by Newberg OR LLC in 2020. Newberg OR LLC intends to raze existing structures and redevelop the Site.

The ESA included a review of i) standard environmental records; ii) standard historical records; iii) state records iv) facility investigation and release reports and v) observations made during Site visit in November 2021. Standard environmental records were provided by Environmental Data Resources Inc (EDR) and included historical aerial images from 1936 to 2016; topography maps from 1916 to 2020; and summary of environmental records from various databases. Review of Oregon Department of Environmental Quality's (DEQ) databases including underground storage tank (UST); leaking UST (LUST); and Environmental Cleanup Site Information (ECSI) as well as Oregon's Water Resources Department well report database and information obtained from a Public Records Request.

The findings identified during the ESA as having the potential to be known or suspect RECs, Historical RECs (HRECs), Controlled RECs (CRECs), and/or *de minimis* conditions included a) a 1981 wastewater and sludge mixture release into Hess Creek; b) several releases of bunker C fuel; c) kerosene and diesel releases near the paper machine building; d) transformer release in storage area south of the paper machine building; e) a hydraulic oil release near the former chip pile truck dump; f) a fuel line leak from a diesel line to a fueling pump west of bunker C tank; g) impacted soil removal effort adjacent to the locomotive service pit; h) gasoline UST near maintenance building; i) two oil sumps under the cogeneration gas turbines; j) inert material pile north of the primary clarifier; and k) suspected hog fuel piles.

The USTs and the lagoon release are Historical RECs (HRECs). The USTs were closed and decommissioned per DEQ's requirements and a further action letter issued for the LUST. The 1981 failure of the north lagoon releasing sludge and wastewater into Hess Creek resulted in a removal effort to the satisfaction of DEQ.

The area near the paper machine building and the area adjacent to the locomotive service pit are considered RECs because despite remedial efforts the last known investigations reported groundwater and/or soil impacts present in those areas and there was no official agreement with DEQ on completion of remedial actions. The fuel line leak area is also a REC since there was no record of remedial action following a 2006 investigation that identified soil impacts from a diesel release. Based on the historical records and Site visit observations, RECs also include the bunker C tank and hydraulic fuel tank leak. The hog fuel piles and the inert material piles are also RECs since the contents of these piles are unknown.

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1 INTRODUCTION

EnviroAnalytics Group, LLC (EAG) has prepared this Environmental Site Assessment (ESA) on behalf of Newberg, OR LLC, the current owner of the former Westrock/Smurfit Newsprint paper mill facility (Facility) located at 1301 Wynooski Road in Yamhill County, Newberg, Oregon (referred to herein as Site). The site location is depicted in **Figure 1** (Site Location Map), and a site layout identifying former Facility operation areas is provided in **Figure 2**. Newberg OR LLC is currently in the process of demolishing the Facility in preparation for future redevelopment of the Site.

1.1 Purpose

The purpose of this ESA was to identify to the extent feasible, Recognized Environmental Conditions (RECs) at the Site as the term "REC" is defined by the ASTM International (ASTM) Practice E1527 as the *(1) presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products, in, on, or at the subject proper under conditions that pose a material threat of a future release to the environment*. This definition eliminates from consideration conditions that could fall under the general definition of "environmental issues" and focuses on known or potential releases of hazardous substances and petroleum products.

1.2 Scope

The scope of the ESA included the following:

- Review historical records including available Facility investigation reports, records, state records, standard environmental records, and historical use information;
- Review of relevant environmental records/permits;
- Site visit observations; and
- Identification of RECs based on records and observations.

2 BACKGROUND

This section describes the Site Location, operational history, former Facility Processes, and the regulatory background of the Site based on a review of historical records.

2.1 Site Location

The Site is located at 1301 Wynooski Road in Yamhill County, Newberg, Oregon along the Willamette River and is made up of several contiguous parcels of land on the south end of the City of Newberg. The main portion of the Site is centrally located and is where former Facility operations occurred. The main area is divided down the center by the Mill Road (formerly Wynooski Road). **See Figures 1 and 2**.

The Site is bounded by Newberg Dundee Bypass on the north, Wynooski Street and NE Dog Ridge Road on the east, a private residence along NE Dog Ridge Road on the south east, Willamette River on the south, and South River Street on the west. In 2021, the majority of the Site was annexed into the City of Newberg. Most of the Site is located within Yamhill County's Urban Growth Boundary (UGB), the South Lagoon is outside the City of Newberg and the UGB (See **Figure 2**).

2.2 Site Operations History

Sawmill operations began at the Site in 1892 by the Charles K. Spaulding Logging Co. In 1927, the lumber mill was converted into a pulp and paper mill with unbleached sulfite pulp production by Spaulding Pulp & Paper. The Facility was purchased by Publishers Paper Co. in 1965. In 1968 the refiner mechanical pulp line and Paper Machine No. 5 were installed and the sulfite pulping mill changed to magnesium oxide base (DEQ, 2012).

The deinking facility was constructed in 1979 and was later followed by installation of Paper Machine No. 6, and two thermo-mechanical pulp lines. The sulfite pulp mill was permanently shut down in 1984 and the chipper (the last part of the sawmill) was shut down the following year. In 1986, Smurfit Newsprint Corporation purchased the Facility and updated the deinking plant in 1990. In 1999, the deinking plant was upgraded to handle magazines and mixed paper under ownership of SP Newsprint Co. In 2012, the Facility was operated by SP Fiber Technologies Northwest, LLC (DEQ, 2012). In 2015, Westrock purchased and idled the Facility; overtime, Westrock decommissioned the Facility. The Site was purchased in 2020 by Newberg OR LLC.

2.3 Former Facility Processes

The main processes that took place at the former Facility included paper making and deinking, power generation, and wastewater treatment processes. Historical operations of each of these processes are summarized in this section. As noted previously, all Facility processes were shut down in 2015 and the Facility was decommissioned. Location of former operations are shown on **Figure 3**.

2.3.1 Paper Making and Deinking

Wood chips, old newsprint, and other recycled paper were the main raw materials used to manufacture newsprint at the Facility. Water, heat, chemicals, and mechanical energy were used to swell and separate the fibers in the wood chips to create a pulp. The pulp was screened and cleaned to create a more uniform pulp. In the Deink Plant, recycled paper was conveyed to a continuous pulper that used recycled water from the paper machines to make a pulp slurry. Ink was removed from the resulting pulp in a proprietary process. The de-inked pulp was screened, filtered, and brightened with non-chlorinated agents (DEQ, 2012).

The final product was concentrated and stored in a high-density storage chest for later use in papermaking. Two paper machines (Paper Machines #5 and #6) were used to take the pulp and form a continuous sheet and then extract and evaporate the water. The solid sheet was then wound onto a large reel which was rewound into smaller rolls for use in newspaper pressrooms. A major upgrade to the Deink Plant was completed in 2001 that facilitated the pulping and deinking of old magazines and residential mixed pack paper. In addition, a new ink removing process was installed that produced a brighter pulp using a reduced amount of chemicals (DEQ, 2012).

2.3.2 Power Plant

The power plant was the source for all of the Facility's steam needs and most of its electrical power needs. Two main boilers (Boilers #9 and #10) were used to generate high pressure steam which was used to make electricity by processing the steam through turbine generators. Once the steam passed through the turbine generators, the lower pressure steam was then used in other processes throughout the plant. The steam plant also produced some of the Facility's energy requirements. In 2003, two cogeneration combustion turbines with auxiliary duct burners were installed to produce electricity and steam; however, both combustion turbines were removed from the Site shortly thereafter. The heat recovery steam generators remained at the Facility to produce backup steam. Two new natural gas fired boilers were also added to the Facility in 2008 to produce backup steam and were vented to a common stack (DEQ, 2012).

Fuel used for the hog fuel boilers included the following:

- hog fuel (a mixture of woody materials including shredded wood waste residuals from logging and wood milling operations; waste wood; waste paper and cardboard; and contained small amounts of plastic from waste wood);
- mixed waste paper;
- tire derived fuel (shredded tires);
- creosote treated wood fuel [included chipped, shredded, or hogged railroad ties and telephone poles (non-hazardous based on historical records of analysis)];
- sludge (from the Facility's wastewater treatment system);
- dried biosolids from municipality (though rarely used based on historical data); and
- miscellaneous fuels (DEQ, 2012).

2.3.3 Wastewater Treatment System

The Facility drew water from the Willamette River and purified it through a series of settling ponds and sand filters prior to use. After the purified water was used in the boilers and the paper making process, it was piped to a primary clarifier to remove a large portion of the solids. Effluent from the primary clarifier was sent to the secondary treatment system that contained microorganisms which eat organic compounds and reduce the biological oxygen demand (BOD). The effluent was treated in the north lagoon and the activated sludge basin and sent to a secondary clarifier (Clari-Vac) to remove more solids and to recycle the microorganisms from the activated sludge basin. Effluent was then sent to the south lagoon to provide additional aeration and polishing prior to discharging the treated water to the river in accordance with the Facility's National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit #101299 discussed in **Section 2.4** (DEQ, 2012 and 2020).

In summary, the wastewater treatment system consisted of a five-stage process:

1. a primary clarifier which removed most of the solids;
2. an activated sludge basin containing microorganisms which treated the sludge;
3. a lagoon (North Lagoon) which allowed settling and provided aeration;
4. a secondary clarifier (Clari-Vac) which removed more sludge and recycled the microorganisms to the activated sludge basin; and
5. a second lagoon (South Lagoon) which furnished more aeration and polished the water before it was discharged to the Willamette River.

The solids that were removed from the Facility's effluent were dewatered by filter presses. The sludge was approximately 3% solids content prior to being pressed. The pressed sludge contained approximately 40% solids. The sludge was processed in the Hog Fuel Dryer to further remove moisture prior to being burned in the hog fuel boilers (DEQ, 2012).

In addition to the process water, the Site's stormwater sewer system captured stormwater and discharged the stormwater to the lagoons.

2.4 Hazardous Substances and Oil Tank Inventory

The Facility used several hazardous substances for the paper making and deinking; power plant; and wastewater treatment processes as well as for maintenance of Facility equipment. The bunker C fuel tank was the largest tank at the Facility with a capacity of 153,000 gallons. The next largest capacity oil tanks were the two adjacent fuel tanks of 8,000 gallons total capacity. An inventory of tanks and systems with capacities over 500 gallons are shown in **Table 1**.

2.5 Other Issues

Several asbestos surveys were conducted in the 1990s and asbestos containing material was identified. Additional surveys were conducted to support the demolition process and associated asbestos containing materials removal. Records of asbestos containing material removed during demolition activities were maintained.

Based on discussions with former employees, all transformers had been tested and confirmed to be free of PCBs. The Environmental Protection Agency (EPA) conducted a TSCA audit in 1994 and no violations were reported. Previous inspections in facility files reported no visual indication of leaks or releases from electrical equipment.

2.6 Site Regulatory Background

The Site operated under a Title V air permit for air emissions and two NPDES permits for wastewater and stormwater discharges. Additionally, in 1995 the Site was listed on Oregon DEQ's Environmental Cleanup Site Information (ECSI). A summary of the Site's regulatory background is discussed below.

2.6.1 Title V Air Permit

The Facility operated numerous emission units and control devices under an Oregon Title V Operating Permit (Permit #: 36-6142-TV-01) which was renewed in March 2013 with an expiration date of February 1, 2018. Emission units included but not limited to boilers, hog fuel dryer, steam generators, dinking plant, kerosene cleaning, paper machines, thermal mechanical pulping, wastewater treatment, and material handling (DEQ, 2012).

2.6.2 NPDES Permitting

The NPDES Waste Discharge Permit (NPDES Permit #101299, File # 72615) was initially issued on December 20, 1993 with an expiration date of May 31, 2000 and transferred to Newberg OR, LLC on November 16, 2020 (DEQ, 2012 and 2020). Three historical sources were covered by the permit; the permit is still active to manage stormwater runoff. The Outfalls and historical sources identified in the permit are:

- Outfall 001 - effluent from the TMP, RMP, secondary fiber deinking pulp/paper mill, and site stormwater;
- Outfall 001A – effluent from Outfall 001 when diffuser is being serviced; and
- Outfall 002 – Filter backwash from water treatment plant.

For Outfall 001, year-round monitoring requirements included flow, BOD5, TSS, color, and pH and monitoring requirements from May to October included ammonia, total nitrogen (TKN), nitrate, nitrite, and total phosphorous. During Newberg OR LLCs ownership, discharge has not occurred from May to October, so flow, BOD5, TSS, color and pH have only been monitored.

Additional conditions of the permit include a Sludge Management Plan, Toxics Evaluation plan, and a groundwater characterization study. No records of any of these plans/studies were available for EAG's review. However, several sludge samples have been collected from the lagoons and the analytical results are discussed in **Section 4**.

EAG is in the process of developing a *Lagoon Closure Pre-Design Study* to collect and evaluate data to facilitate decommissioning the Facility's lagoons to terminate the permit in accordance with the requirements of the Facility's NPDES permit (101299) with oversight provided by DEQ's Water Quality Program.

A NPDES 1200-Z Industrial Stormwater Discharge General Permit (EPA number: ORR241118) was issued for stormwater in drainage areas where stormwater was historically not captured by the stormwater sewer network and was discharged towards the Willamette River. At this time, no discharge is occurring from any of the 1200-Z permitted outfalls. A notice of termination request will be submitted in the near future.

2.6.3 Environmental Cleanup Site Information (ECSI) Listing

DEQ conducted a preliminary review of the Site in 1994-1995. The Site was listed as medium priority by DEQ because of the unknown impacts to groundwater from reported releases including bunker C oil and kerosene. The file also included information regarding a 1981 release of sludge and wastewater into Hess Creek following the collapse of the Hess Creek diversion pipe under the North Lagoon. The 1981 failure of the north lagoon releasing sludge and wastewater into Hess Creek resulted in the completion of necessary removal action. Additional removal actions were concluded by DEQ to not be required as these removal efforts would be detrimental to the creek environment and were unnecessary following review of the analytical results obtained from the creek (DEQ, 2018).

3 SITE DESCRIPTION

The Site is comprised of approximately 141 acres. The majority of Facility operations with the exception of the chip pile and water treatment units were west of Mill Road. Numerous buildings and supporting structures were present along the west side of Mill Road. Generally, paper making process structures and buildings were located on the northwest side of Mill Road. De-inking and storage occurred on the northwest corner of the Site. The power plant and supporting structures were centrally located on the west side of Mill Road. The plant water treatment structures were located on the south-central area of the Site and treatment ponds located west of Mill Road. The lagoons and waste water treatment structures are located east of Mill Road. All structures have been demolished and removed from the Site. General layout of the Site is shown in **Figure 2**.

This section further describes the characteristics of the Site including topography, surface water features, and regional and Site geology and hydrogeology.

3.1 Topography

The City of Newberg is situated in the northern portion of the Willamette Valley in northwestern Oregon. Newberg is generally flat at an elevation of 175 ft above mean sea level (amsl) and situated between the Hess and Chehalem Creek ravines to the east and west, respectively. The creeks stream bed elevations are approximately 80-100 ft amsl. The Chehalem Mountains are present to the northeast, Parrett Mountain to the east, Willamette River and French Prairie to the south, Red Hills of Dundee to the west, and Chehalem Valley to the north west. See **Figure 1**.

The Site is located on the southern end of the City of Newberg. The main portion of the Site is generally flat sloping steeply towards the Willamette River on the southside and sloping down towards the Hess Creek ravine on the east. The elevation increases towards the top of Dog Ridge where the elevation is around 170 ft amsl at the most southern end of the Site.

3.2 Surface Water Features

Most stormwater across the Site is captured in the Facility's stormwater sewer network which discharges to the lagoons. When water levels within the lagoon reach a high point, water within the lagoons is manually discharged to the Willamette River under the NPDES permit. Stormwater along the sloped vegetated area along the southern boundary discharges to the Willamette as sheet flow.

Prior to the construction of the North Lagoon, Hess Creek crossed over the northeastern corner of the Site. After construction and prior to a portion of the North Lagoon berm failed in 1981, Hess Creek was diverted under the North Lagoon and discharged east of NE Dog Ridge Road. Following the 1981 repair to the present day embankment, Hess Creek flows into a 102-inch inner diameter cast in place concrete lined pipeline culvert north of Wynooski Street near the City of Newberg Wastewater treatment facility and daylights approximately 1,300 feet southeast into the Hess Creek streambed. Hess Creek continues

southeast towards the Spring Brook confluence which then discharges into the Willamette River (Langan, 2018).

The Willamette River is the major tributary for the Columbia River, which is located 50 miles downstream from Newberg. The Willamette River level at Newberg fluctuates between the dry and wet seasons based on data reported by the United States Geological Survey from a river gage located just north of the Newberg Bridge. During the dry season, the river level remained mostly steady with river levels from the past two years between 53-58 ft from April to October. During the wet season, the river level fluctuated greatly during the past two years with a range of approximately 53 to 75 ft from November to March (USGS, 2022).

3.3 Regional Geology and Hydrogeology

The Site is located within the Willamette Basin. The Willamette Basin is a lowland area that lies between the Coast Range and the Cascade Range formed by folding followed by accumulated sediments. The Coast Range consists of uplifted marine sediments and the Cascade Range consists of volcanic lavas and deposits. The geologic units within the Newberg area include (from youngest to oldest): alluvium, the Willamette Silt Formation, the Troutdale Formation, and the Columbia River Basalt Group (CRBG) volcanics (USGS, 1978).

The alluvium consists of unconsolidated sands and gravels and extends to a depth of approximately 40 ft. The Willamette Silt consists of silt and clay with some sand lenses and is believed to extend to a depth of approximately 200 ft. The Troutdale Formation consists of silt and clay with some sand and gravel. The CRBG consists of lava flows overlaying marine sedimentary rock (USGS, 1978).

The hydrogeological units in the Newberg area include: the Upper Sedimentary Unit (USU) with a thickness of 0 to 20 ft (though only present at the most southern edge along the Willamette River), the Willamette Silt Unit (WSU) with a thickness of 40 to 60 ft, the Lower Sedimentary Unit (LSU) with a thickness of 100 ft, and the Columbia River Basalt Unit (CRB) with a thickness of 450 ft (USGS, 2005).

The hydraulic horizontal and vertical conductivities reported for the USU are 0.03 to 24,500 ft per day and 2 ft/day, respectively. The hydraulic horizontal and vertical conductivities reported for the WSU are 0.01 to 8 and 0.0004 to 0.7 ft per day, respectively. The hydraulic horizontal and vertical conductivities reported for the LSU are 0.02 to 220 and 0.1 ft per day, respectively. The hydraulic horizontal conductivity reported for the CRBG ranges from 0.001 to 750 ft per day (USGS, 2005).

Groundwater fluctuates based on the seasonal recharge rate. Like the river, groundwater levels are higher during the wet season and lower during the dry season.

The City of Newberg obtains its municipal water supply from wells drilled south, across the Willamette River; the wells are completed in sand and gravel alluvium. The well depths are around 95 to 100 ft bgs with ground elevations around 95 ft amsl.

3.4 Site Geology and Hydrogeology

The Site geology is generally consistent with the regional geology with alluvium on top followed by the Willamette Silt underlain by the Troutdale formation. Based on review of historical boring logs, in the main portion of the Site alluvial and/or fill is present in the upper 5 ft bgs, followed by silt with sand and clay in the top 20 ft bgs. Near the Hess Creek streambed on the west side of Wynooski Street, a geotechnical boring (approximate ground surface elevation of 100 ft amsl) reported top soil from 0 to 2 ft bgs, silt from 2 to 22 ft bgs, clay from 22-35 ft bgs (USGS, 2011).

Depth to groundwater varies across the Site. In the main portion of the Site, reported historical groundwater elevations vary from 157 to 165 ft amsl. A subsurface investigation conducted in 1993 with boring depths from 9 to 15 ft bgs observed groundwater at one location at a depth of 10 ft bgs (approximately 168 ft amsl). Groundwater at the southern end of the South Lagoon was reported between 60 to 100 ft amsl. Groundwater in a well screened in clay at the City of Newberg Water Treatment facility (east of the Site) was reported at 93 ft amsl (OWRD, 2013).

The nearest well with pumping data is located along NE Dog Ridge Road. The well was installed in 1986 at a ground surface elevation of 160 ft amsl with a depth of 84 ft bgs. The static water level was reported at 39 ft bgs and had a well test pumping rate of 5.5 gallons per hour. No other hydraulic and/or pumping data was available for the Site or in the immediate vicinity.

4 RECORDS REVIEW

The records review consisted of the following: i) review of identified federal, state, and local databases; ii) review of identified historical aerial photographs; iii) review of identified historical topographic maps; iv) review of identified fire insurance maps; v) review of environmental investigation records; vi) review of available property tax information and vii) review of. historical Facility records and environmental files obtained from DEQ.

Environmental Data Resources Inc (EDR) was contracted to provide the standard environmental and historical records searches.

4.1 Standard Environmental Records Search

The environmental database search was performed by EDR to provide additional insight on historical activities that could have impacted the surface or subsurface at the Site. The Site was identified in multiple databases, including:

- Lists of Federal RCRA generators (RCRA-VSQG-1),
- Federal ERNS list (ERNS-1)
- Lists of state- and tribal hazard waste facilities (ECSI-1)
- List of state and tribal leaking storage tanks (LUST-1)
- Lists of state registered storage tanks (UST-1, AST-1)
- Records of Emergency Release Reports (HMIRS -1, SPILLS-4, OR HAZMAT-1, SPILLS 90 -1)
- Other Records (TSCA – 3, PADS-1 ISIS-1, US AIRS-1, FINDS-1, ECHO-1, AIRS-1, HSIS-1, MANIFEST-2, NPDES-1)
- Exclusive Recovered Govt. Archives (RHA HWS-2, RGA LUST -2)

See **Appendix A** for the entire EDR Radius report.

4.2 Standard Historical Records

Aerial photograph and USGS topographical map reviews were conducted to evaluate past uses and Site improvements. EAG requested aerial photograph, USGS topographical map and fire insurance map packages from EDR. There were no fire insurance maps reported. The aerial image photo package includes aerial images from 1936, 1947, 1952, 1954, 1960, 1970, 1975, 1981, 1994, 2000, 2006, 2006, 2012, and 2016, and USGS topographical maps from 1916, 1939, 1940, 1954, 1961, 1970, 1985, 2014, 2017, and

2020. In addition, a Google Earth aerial from 2021 was also reviewed. A copy of the aerial images and USGS topographical maps are include as **Appendix B** and **Appendix C**, respectively.

The following sections present a timeline of observations from the historical records review.

4.2.1 1900s

In the 1916 topo map, railroad tracks are observed coming from the west crossing into the Site at the far western boundary of the Site along current day, South River Street. A railroad spur travels south, along the Willamette River and another spur heads east before splitting north and south across the Site in the middle of the Site at [old] Wynooski Street. Hess Creek crosses into the Site at the northeast corner, heads south turning south east at the Dog Ridge Road split. Large structures are shown at the end of the Southeast railroad spur and smaller structures are within the northern area of the Site and along the eastern and north western sides of Wynooski Street.

4.2.2 1930s to 1940s

In the 1936 aerial, railroad tracks, stacks of logs, structures, and tanks are observed on the west side of the Site. Farmlands are observed on the eastern and southeastern portions of the Site. Wynooski Street runs north to south separating the eastern and western portions of the Site. Dog Ridge Run Road comes in on the southeastern boundary of the site and splits at a fork, one road heading northeastern and the other west towards Wynooski Street. Structures and tanks are located on the west side of old Wynooski Street in the south-central area of the Site. Small structures are observed in the northwestern portion of the Site. The lagoons are not present; trees and farmland are present in their place. There are smaller structures observed along the northern portion of the Site and to the east along old Wynooski Street. Along the western and eastern southern boundaries of the Site, dense trees and vegetation are observed. There is a lighter, circular mounded area shown on the southwest corner, along the Willamette River, indicative of a pile.

The USGS topo map from 1939 is similar to the 1916 map; however, more smaller structures are observed in the northern portion of the Site and larger structures are noted in the Facility's operating footprint.

The 1947 aerial appears much of the same with the exception of the log pond present in the northwestern portion of the Site. Fewer trees and vegetation are observed west of the Dog Ridge Road fork.

4.2.3 1950s to 1960s

No changes are observed in the operational footprint of the Facility or structures in the 1952 aerial. Farm area and homes are still observed east of old Wynooski Street. Land disturbances are apparent in the south eastern portion of the Site along Dog Ridge Road. Construction of the south lagoon is observed.

In the 1960 aerial, logs previously stored between the log pond and Mill Road are no longer present. More water is observed in the south lagoon, but the lagoon does not appear to be at capacity.

4.2.4 1970s

The paper machine building; pulp storage chests; switchyard; office building; chip pile and conveyors; primary clarifier; settling ponds; mechanical building; sawdust tanks; and water/filter treatment structures are observed in the 1970 aerial. Additionally, construction of the north lagoon and dewatering of the logging pond are also observed. Improvements to NE Dog Ridge Road around the lagoons are also noted. The 1970 aerial also shows an east-west conveyor line south of the mill wood mill and the same pile observed in previous aerials at the end of the line west of the wood mill. Logs are observed in the logging pond footprint.

A treatment pond north of the north lagoon and south of the chip pile is observed in the 1975 aerial. Tank south west of office building and west of old machine building is observed. Wynooski Street is rerouted around the Site rather than going through the Site (Mill Road).

4.2.5 1980s

The activated sludge pond and clari-vac are observed in the north lagoon in the 1981 aerial. Additions to paper machine building; storage buildings south of the paper machine building; the deinking and storage warehouse; conveyors for hog fuel and hog fuel pile; new storage structures south of settling pond; cooling towers; no. 2 turbine generator; and other power plant structures are also observed.

4.2.6 1990s

The wood mill located southeast of the hog fuel pile and small treatment pond located north of the north lagoon are no longer observed in the 1994 aerial. Expansion of the deinking and storage warehouse is observed as well. The stockpile of logs is no longer present in the west portion of the Site. The City of Newberg wastewater treatment facility is observed north east of the north lagoon.

4.2.7 2000s

Storage building north of primary clarifier observed in 2000 aerial. Land disturbance observed south of the southwestern corner of south lagoon along Willamette River. Some vegetation observed over pile east of Roger's Landing along Willamette River.

Addition to deink warehouse and PVC storage tent south of paper machine building observed in 2006 aerial. Wood material stored south of deinking warehouse and removal of machine shop located west of filter plant observed in 2009 aerial. Tan and gray piles present in the hog fuel footprint in 2009. Also vegetated mound with material around perimeter observed at location of former small lagoon located north of north lagoon.

4.2.8 2010s

Structure west of storage tent connecting chip conveyor to north south hog fuel pile conveyor no longer observed in 2012 aerial. Material south of deinking warehouse no longer observed in 2016 aerial. Tan and gray piles still present in 2012. Hog fuel pile footprint in 2016 aerial is smaller; two piles observed west of truck dump and one larger pile observed west of power plant. No chip observed east of Mill Road. Most buildings and structures still present. Newberg Dundee Bypass construction observed in 2016.

4.2.9 2020s

Ongoing demolition activities observed in Google Earth aerial from 2021. Many structures are no longer observed including portions of the deinking warehouse; storage building north of primary clarifier; most power plant structures with the exception of the cooling towers and No. 2 turbine generator; filter plant; chip conveyor; and saw dust tanks. Fence line along southern boundary has been moved to the north end of the former hog fuel pile area observed in 2016 aerial and vegetation is observed in the area.

4.3 Publicly Available State Records

Records from DEQ's Environmental Cleanup Site Information (ECSI), Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST); and Oregon's Water Resources Department well report databases were reviewed for the Site. Records from each database as well as information obtained from a Public Records Request are discussed in the following sections.

4.3.1 ECSI #338

The Site is listed in DEQ's Environmental Cleanup Site Information (ECSI) database as Site ID#338. The status of the Site is listed as "contamination suspected" and the action needed as "site investigation recommended". The file available in the database contains information related to releases at the Site including: i) North Lagoon release; ii) numerous bunker C oil spills; iii) 100-gallon diesel spill; iv) kerosene releases; and v) caustic alkali chemical release (DEQ, 2018).

Based on documents in the file, the 1981 north lagoon release occurred when the southeast berm of the North Lagoon failed and released approximately 60 million gallons of water and sludge into Hess Creek. The failure occurred when the Hess Creek diversion culvert, which was installed in the footprint of the North Lagoon and discharged on the other side of the berm (east of NE Dog Ridge Road), collapsed. Within the file are numerous documents related to the release including a Summary of Technical data as well as DEQ's notes including determination that additional removal of sludge would result in more harm to the creek environment. Additionally, the file contains DEQ's attempt to place the Site on an Inventory of Confirmed Releases in 1988. Smurfit argued the confirmed release did not meet the definition of hazardous and that the release was investigated, corrected, and any removal or remedial action was completed all under DEQ's direction and to their satisfaction. The list was rescinded in 1989 following revision of ORS 466.557, now 465.215. DEQ notified Smurfit that the Site would be evaluated based on the criteria in the revision, and would notify Smurfit if the Site was added back to the inventory; no such notification regarding the lagoon release was in the file (DEQ, 2018).

Several bunker C fuel spills resulted in a subsurface investigation and subsequent removal of soil in the vicinity of the 158,000-gallon bunker C oil tank. The 1993 Subsurface Investigation Report by RZA Agra, Inc. and the 1994 Remedial Action Report by Agra Earth & Environmental, Inc. are included in this file (DEQ, 2018).

For the 100-gallon diesel and alkali chemical releases, documentation in the file indicated no further action was necessary. The file also contains a map diagram from 1995 of the kerosene release at the paper machine building (DEQ, 2018).

In addition, the file contains DEQ's 1995 Site Assessment and Strategy Recommendation, a Preliminary Assessment Equivalent, which included discussions of the aforementioned releases and a recommendation to conduct a groundwater evaluation of the Site which added the Site to the inventory. The Site was assigned medium priority and DEQ issued a letter regarding the assessment findings to the owner, Smurfit Newsprint Corporation. The letter also provided options on conducting further evaluation as recommended in the assessment and notified the owner that the Site would be listed in the ECSI (DEQ, 2018).

4.3.2 UST Database (Facility ID: 4628)

Three tanks were listed in the facility summary report from the UST Database: a 600-gallon gasoline and 2-700 gallon used oil tanks. The gasoline tank was reported as removed and the used oil tanks were reported as filled (DEQ, 2014a).

4.3.3 LUST Database (#36-93-4206)

The LUST summary information states that the "*release appears to be related to several spills from 1978 to 1993 from Bunker C and diesel ASTs at Smurfit facility; any known USTs were addressed in decommissioning/assessments in 1990 and 2005*" and was initially recorded in November 1993. The file contains a 2007 assessment conducted by DEQ's Tanks Program – Eugene division. The conclusion of the assessment determined the record was not from a UST but rather ASTs. Due to the findings of the DEQ's Site Assessment as discussed in the previous section, the assessment conducted by the Tanks Program determined that documentation of [DEQ's Site Assessment Recommendation] would be needed to close the LUST record and any future actions be referred to DEQ's Environmental Cleanup Program (DEQ, 2014b).

The file also contains a layout of well locations and water table elevations around the paper machine building as well as correspondence from DEQ to Smurfit regarding reported releases of diesel, bunker C oil, and potential PCB containing transformer oil at the Facility (DEQ, 2014b).

4.3.4 LUST Database (#36-90-4258)

The status of the LUST was listed as "closed" with no further action. The date of the record was October 2, 1990. The decommissioned 550-gallon gasoline UST was located east of the machine shop (DEQ, 2013).

Links to two files were available in the record. One file contained a no further action letter dated November 16, 1990 issued by DEQ which reported that no groundwater was encountered and that TPH values were within Level 2 cleanup standards for the decommissioning. The other file in the LUST record contained another copy of the 2007 assessment conducted by DEQ's Tanks Program – Eugene division and the gasoline UST decommissioning documentation from October 1990 (DEQ, 2013).

4.3.5 Records from Public Records Request

A Public Records Request (R004764-120821) was submitted to DEQ on December 8, 2021 and response received on January 25, 2022. The response included links to the publicly available state records discussed in the previous section and a file containing information of UST decommissioning activities from 1990 and 2005 and another copy of the 2005 Tanks Program assessment discussed previously (DEQ, 2022). Notification was provided from DEQ that hard copy records from the Water Quality Program were also available in the regional office; the records will be reviewed in person as opportunity allows.

4.3.6 Oregon Water Resources Well Report Mapping Tool

Several monitoring well records as well as geotechnical hole reports were available on Oregon Water Resources Department's Well Report Mapping Tool. Monitoring well reports included monitoring wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8; all monitoring well reports were from 1995 and 1997. Geotechnical hole reports included locations: B-1, BH-1, BH-2, BH-4, SI-1, SI-2, and SI-3 all of which were located around the southern end of the South Lagoon and installed in 1998 (OWRD, 2022).

Two additional records at the Site were listed: a water wells report for a well test from 1991 (YAMH#681) and a geotechnical test report from 2015 (YAMH#572067) (OWRD, 2022).

4.4 Facility Investigation and Release Records

Six documents on historical investigations at the Site were reviewed, these documents are provided in **Appendix D**. Below is a summary of each document as well as summary of a Phase I ESA conducted in 1999.

4.4.1 Report Monitoring Well Elevation Survey and Groundwater Sampling Paper Machine Building, Dames and Moore, July 1997

Dames and Moore conducted a well elevation and groundwater sampling event on April 23, 1997 at the paper machine building where a 100 to 150-gallon release of kerosene occurred in 1994. PEMCO investigated the release in 1994 and 1995 and installed five monitoring wells (MW-1, -2, -3, -4, an -5). MW-2 was damaged and later abandoned (D&M, 1997a).

Based on elevation data, groundwater flowed west. Results showed concentrations of TPH ranging from 0.26 to 21 mg/l in monitoring wells MW-1 through MW-4 and TPH concentration of 105 mg/l in MW-5. Concentrations of benzene, ethyl benzene, and PAHs were reported from the groundwater sample obtained from MW-5. Benzene and ethyl benzene were also detected in MW-3 (0.9 to 1.1 µg/l and 2.2 to 2.5, respectively). Toluene was detected in MW-1, MW-2, and MW-3 at concentrations from 0.5 to 0.8 µg/l. Xylenes were detected in MW-1 and MW-3 (1.4 and 4.3 to 4.7, respectively). PAHs were also analyzed and detected in the MW-5 groundwater sample collected in 1997 (D&M, 1997a).

The Site Plan map in the report showed four additional release locations: former bunker C tank oil release; former transformer oil release north of hog fuel pile near storage building south of paper machine building; former kerosene release near paper building, and surface soil staining northeast of the bunker C tank location (D&M, 1997a).

Additionally, the Site Plan map indicated an inert landfill north of the North Lagoon (D&M, 1997a).

4.4.2 Final Report Focused Soil and Groundwater Investigation Truck Hydraulic Lift Area, Smurfit Newsprint Newberg Mill, Dames and Moore, 1997

In March 1997, a leaking hydraulic oil pipe was discovered at the hydraulic truck lift for the chip pile hopper. A subsurface investigation was conducted to assess potential environmental impacts. The investigation included the drilling of five soil borings, collection of soil and groundwater samples for analysis, and installation of three wells (MW-6, -7, and -8) around the hydraulic truck lift area. TPHs were detected in soil (35-19,100 mg/kg) and groundwater (66.1 to 668 mg/l) samples obtained from two soil boring locations and one monitoring well location (D&M, 1997b).

The Site Plan map in the report showed four additional release locations: former bunker C tank oil release; former transformer oil release north of hog fuel pile near storage building south of paper machine building; former kerosene release near paper building, and surface soil staining northeast of the bunker c tank location (D&M, 1997b).

Additionally, the Site Plan map indicated an inert landfill north of the North Lagoon (D&M, 1997b).

4.4.3 Letter Report for Kerosene Spill Area and Hydraulic Oil Spill Area, CH2MHILL, 1999

Letter report summarizes groundwater sampling event from March 1999 at the kerosene release adjacent to the paper machine building and the hydraulic oil spill at the chip dump (CH2MHILL, 1999).

At the paper machine building, CH2MHill collected groundwater samples from four wells, MW-2, -3, -4, and -5, and had the samples analyzed for TPHs using EPA method NWTPH-Dx. Kerosene was not detected in any of the groundwater samples; however, diesel TPHs were detected in the sample from MW-5 at a concentration of 2.07 mg/l. MW-5 was operating as a recovery well at the time (CH2MHILL, 1999).

At the hydraulic truck lift, CH2MHill collected groundwater samples from wells MW-6, -7 and -8 and had the samples analyzed for TPHs using EPA method NWTPH-Dx. Groundwater samples from MW-7 and M-8 did not have detectable levels of hydraulic oil. Diesel fuel was detected in MW-7 at a concentration of 0.35 mg/l. Hydraulic oil was detected in the MW-6 sample at a concentration of 13.1 mg/l. At the time, of the investigation Smurfit was using an oil recovery filter in MW-6 near source of release (CH2MHILL, 1999).

4.4.4 Former Diesel Spill Area Closure Report, CH2MHILL, 2001

The closure report discusses the history of investigations and removal actions from 1995 to 1999 at the paper machine building following a diesel spill from the overfill of a 500-gallon diesel tank that occurred in 1994. In addition, the report discusses a 2000 investigation that was conducted by CH2MHill (CH2MHILL, 2001a).

Groundwater monitoring program results are reported from 1995 to 1999 from the five monitoring wells (MW-1, -2, -3, -4, and -5). Results from these investigations are duplicated from the aforementioned CH2MHill 1999 Letter Report (CH2MHILL, 2001a).

The 2000 investigation included the advancement of six borings to collect soil samples for analysis of diesel range TPHs using EPA method NWTHP-Dx. Ten (10) soil samples were collected from varying depth intervals down to 15 ft bgs. Two soil samples, one at 7 to 11 and one at 6 to 8 ft bgs, had diesel TPH concentrations of 62 and 488 mg/kg, respectively (CH2MHILL, 2001a).

CH2MHill had concluded that groundwater was not impacted outside immediate area of MW-5 location and that natural attenuation processes were contributing to the degradation of any remaining TPHs in the groundwater and that soil conditions did not exceed cleanup levels (CH2MHILL, 2001a).

4.4.5 Fuel Line Soil Geoprobe Investigation Summary Report, CH2MHILL, 2001

During routine pressure testing of an underground fuel line, a leak was discovered. The line was 75 ft in length from the diesel tank near the bunker C tank to a railroad locomotive fueling station east of the tank. On March 26, 2001, seven soil probes were advanced to 12 ft bgs in the area of the leak. Soil samples were analyzed for TPHs in the diesel range (USEPA method NWTPH-Dx). Detected sample results ranged from 57-16,000 mg/kg. Groundwater was not encountered to the depth of the investigation (CH2MHILL, 2001b).

4.4.6 Petroleum-Impacted Soil Cleanup Report, VEC, 2006

Varchan Environmental Construction (VEC) conducted soil removal and subsurface assessment near the railroad service pit where impacted petroleum impacted soils were discovered. VEC excavated approximately ten (10) foot wide by fifty (50) foot long are to a depth of five (5) feet below ground surface and removed approximately fifty-two (52) tons of petroleum impacted soil. Confirmation samples were obtained as well as a groundwater sample from the excavation pit. Concentrations of diesel range organics (DROs) and residual range organics (RRO) in soil confirmation samples ranged from non-detect to 270 and non-detect to 1,200 mg/kg, respectively. Concentrations of lead (146 µg/l), DRO (200 µg/l), RRO (1,100 µg/l), and toluene (2.3 µg/l) were all detected above reporting limits in the groundwater sample (VEC, 2006).

In addition to the soil removal, five-hundred and fifty (550)-gallons of groundwater were pumped from the excavation pit and a microbiologically-based agent was added to the excavation area to accelerate breakdown (VEC, 2006).

4.5 Analytical Data from Lagoons

Site records include laboratory analytical reports from samples obtained in 2014, 2016, 2018, and 2020 prior to the 2020 sale of the Site. Following the sale, EAG personnel collected sediment samples for analysis in October 2020. Analytical reports are located in **Appendix E**.

Analytical data for the sediment includes totals and TCLP metals; mercury; organochloride pesticides; select totals and TCLP volatile organic compounds (VOCs); semi-volatile compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs); polychlorinated biphenyls (PCBs); total petroleum hydrocarbons (TPHs) including diesel and oil range organics; total nitrogen; and other parameters. The parameter groups and associated analytical methods are tabulated in **Table 2**.

A review of the analytical reports indicates that organochloride pesticides, diesel range organics, VOCs, and PCBs are not present in the sediment. Metals and SVOCs including PAHs as well as oil range organics have been detected in the sediment. A summary of detected concentrations in the sediment compared to DEQ's 2017 Risk-Based Concentrations for Individual Chemicals for Residential Soil Ingestion, Dermal Contact, and Inhalation is shown in **Table 3**. No exceedances of the RBCs are observed in the available analytical data.

5 SITE VISIT

EAG personnel conducted a Site visit from November 9th to 11th, 2021. During the Site visit the following observations were noted:

- Staining and odor observed in Bunker C Tank containment (no tanks present, removal of tanks completed);
- Sheen observed on top of water that has accumulated in truck hydraulic lift pit near chip pile;
- Staining observed around hydraulic lift tanks and hydraulic lift pit area;
- Sticker on outside of hydraulic oil lift tank with date on which tank was emptied;
- Monitoring wells in area around hydraulic lift pit;
- Monitoring wells around the paper machine building were not located;
- No sheen or staining observed in railroad service pit;
- Top of inert material pile near north lagoon is uneven and has cover of vegetation on the top of an unknown thickness and other inert material are present around the perimeter of the pile; and
- No sludge observed in the primary clarifier.

6 FINDINGS, DATA GAPS, AND OPINIONS

This section presents findings identified as known or suspect RECs, historical RECs (HRECs), controlled RECs (CRECs), and/or *de minimis* conditions as defined by ASTM E1527 as:

> **HREC** is *a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls.*
>
> **CREC** is *a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of controls (for example, activity and use limitations or other property use limitations).*
>
> ***de minimis*** condition is *related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.*

These findings are based on the records reviewed and the Site visit observations described within this ESA. Also in this section are opinions on categorizing each of the findings as well as data gaps.

6.1 Findings

Based on review of all records and observations, the following are considered findings which have the potential to be known or suspect RECs, HRECs, CRECs, and/or *de minimis* conditions at the Site: (a) sludge lagoon release; (b) bunker C fuel tank Releases; (c) paper machine building; (d) transformer release; (e) hydraulic truck lift at chip pile; (f) fuel line north of bunker C tank; (g) locomotive service pit; (h) 550-gallon gasoline UST; (i) 300-gallon oil sumps; (j) inert material pile; and (k) hog fuel piles. The following sections describe these findings. The location of each finding is shown on **Figure 4**.

6.1.1 Lagoon Release

On May 13, 1981, a collapse of a culvert diverting Hess Creek beneath the North Lagoon caused failure resulting in sixty (60) million gallons of wastewater and sludge from the North Lagoon to be released to Hess Creek, Springbrook Creek, and then to Willamette River. On June 24, 1981, DEQ interoffice memo stated that additional removal in Hess Creek was not necessary. DEQ determined that extensive removal was not required in Hess Creek because it was thought that removal may be detrimental to the creek environment (DEQ, 2018).

6.1.2 Bunker C Fuel Tank

Releases of Bunker C fuel were recorded in 1978, 1983, and 1989. The bunker C fuel tank had a capacity of 153,000 gallons and was located adjacent to the No. 2 Turbine Generator. Based on the Facility's 2010

SPCC plan, the inventory listed low sulfur diesel was in the tank. When the Facility switched from Bunker C Fuel to low sulfur diesel is unknown. The fuel was used as an alternative fuel to natural gas for the boilers.

Agra Earth and Environmental conducted a subsurface investigation in 1993 and corrective action followed in 1994. Corrective action included the excavation (depths ranging from 4.5 to 13 ft bgs) and removal of 1,756 tons of impacted soil. Area around the tank was not excavated to preserve the integrity of the above ground storage tank.

Confirmation samples indicated a cleanup goal of 500 mg/kg was achieved with the exception of the area around the tank where a confirmation sample contained 771 mg/kg of total petroleum hydrocarbons. Groundwater samples were not collected since groundwater was only noted in one boring location at a depth of 10 ft bgs (AGRA, 1994).

Staining, sheens, and odor were observed during the Site visit in November 2021.

6.1.3 Paper Machine Building

In 1994, two separate releases occurred adjacent to the paper machine building: a 100- to 150-gallon release of kerosene and a diesel spill from the overfill of a 500-gallon diesel tank. Two tanks of 500- and 5,000-gallons of kerosene were present adjacent to the paper machine on the south end and the diesel tank was temporary.

Initial remedial action of the diesel spill included the pumping of 150 gallons of water/diesel mixture from the chamber beneath the paper machine building. In 1995, a subsurface investigation was conducted and five monitoring wells (MW-1, -2, -3, -4, an -5) were installed. Wells MW-1 through 4 were installed to 20 ft bgs and MW-5 was installed to 11 ft bgs. MW-2 was damaged and later abandoned. Based on elevation data, groundwater flowed west.

Eleven (11) groundwater monitoring events occurred between 1995 and 1999. Results showed detected concentrations of TPH ranging from 0.26 to 21 mg/l in monitoring wells MW-1 through MW-4 and TPH concentration of 105 mg/l in MW-5. Concentrations of benzene, ethyl benzene, and PAHs were reported from the groundwater sample obtained from MW-5 in 1997. Benzene and ethyl benzene were also detected in MW-3 (0.9 to 1.1 µg/l and 2.2 to 2.5, respectively) in 1995. Toluene was detected in MW-1, MW-2, and MW-3 at concentrations from 0.5 to 0.8 µg/l. Xylenes were detected in MW-1 and MW-3 (1.4 and 4.3 to 4.7, respectively) in 1995. PAHs were also analyzed and detected in the MW-5 groundwater sample collected in 1997. In the 1999 groundwater sample from MW-5, concentrations of kerosene and diesel were detected at concentrations of 3 and 2.1 mg/l, respectively.

In 1995, a groundwater extraction system was installed at MW-5 to extract diesel impacted groundwater. A vapor extraction system was also installed to extract air from underneath the building.

The 2000 investigation included the advancement of six borings to collect soil samples for analysis of diesel range TPHs using EPA method NWTHP-Dx. Ten (10) soil samples were collected from varying depth

intervals down to 15 ft bgs. Two soil samples, one at 7 to 11 and one at 6 to 8 ft bgs, had diesel TPH concentrations of 62 and 488 mg/kg, respectively.

CH2MHill had concluded that groundwater was not impacted outside immediate area of MW-5 location and that natural attenuation processes were contributing to the degradation of any remaining TPHs in the groundwater and that soil conditions did not exceed cleanup levels; however, a no further action letter from DEQ was not located in the records reviewed.

6.1.4 Transformer Oil Release

A suspected transformer oil release occurred near the electrical storage building south of the paper machine building (D&M, 1997 and DEQ, 2014b). Details on the quantity of the release, remedial actions, and/or investigations which took place are unknown.

6.1.5 Hydraulic Truck Lift at Chip Pile

In 1997, a leak was discovered in the hydraulic oil pipe that conveyed hydraulic oil under pressure to the hydraulic truck lift used to dump chips into hopper at the chip pile. A subsurface investigation was conducted which included drilling of five soil borings and the installation of three monitoring wells (MW-6, -7, and -8) to collect soil and groundwater samples for analysis of VOCs, TPHs, and PAHs (D&M, 1997b).

The last reported groundwater results from 1999 showed diesel fuel was detected in MW-7 at a concentration of 0.35 mg/l and hydraulic oil was detected in MW-6 at a concentration of 13.1 mg/l (CH2MHILL, 1999).

Staining and sheening were observed in November 2021.

6.1.6 Fuel Line from Diesel Tanks

During routine pressure testing of an underground fuel line, a leak was discovered in 2001. The line was 75 ft in length from the diesel tanks near the bunker C tank to a railroad locomotive fueling station east of the tank. A subsurface investigation reported concentrations of TPHs in soil ranging from 57-16,000 mg/kg. Groundwater was not encountered to the depth (12 ft bgs) of the investigation (CH2MHILL, 2001b). Additional investigations or remedial actions are unknown.

6.1.7 Locomotive Service Pit

Petroleum impacted soil was discovered in 2006. An area of approximately ten (10) foot wide by fifty (50) foot long to a depth of five (5) feet below ground surface was excavated and approximately fifty-two (52) tons of petroleum impacted soil were removed. Concentrations of diesel range organics (DROs) and residual range organics (RRO) were present in soil confirmation samples ranging from non-detect to 270 and non-detect to 1,200 mg/kg, respectively. Concentrations of lead (146 µg/l), DRO (200 µg/l), RRO (1,100 µg/l), and toluene (2.3 µg/l) were all detected above reporting limits in the groundwater sample (VEC, 2006).

In addition to the soil removal, five-hundred and fifty (550)-gallons of groundwater were pumped from the excavation pit and a microbiologically-based agent was added to the excavation area to accelerate breakdown (VEC, 2006). Additional investigation or remedial actions are unknown.

6.1.8 Underground Storage Tanks (USTs)

Based on available records, one 550-gallon diesel LUST was located east of the machine shop and two 300-gallon oil collection sumps USTs were located under the cogeneration gas turbines north of the filter plant. All three USTs at the Facility were successfully decommissioned and a no further action letter was issued for the LUST (#36-90-4258). LUST #36-93-4206 is a record of the kerosene and bunker C fuel ASTs not an additional LUST.

6.1.9 Hog Fuel and Inert Material Piles

Four (4) hog fuel piles are believed to be present: one large pile approximately 2.6 acres along the southern boundary; an approximate 0.9-acre pile along the west, southern boundary of the Site; and two smaller piles, approximately 0.5-acres in total, north of the main hog fuel pile area. An inert material pile is located south of the former chip pile, in the footprint of a former sludge lagoon, and is approximately 1.7 acres and approximately 10 to 15 feet in height. The pile is indicated in historical site plans as an inert landfill; no registered landfill records were located during the ESA.

Inert material and hog fuel are not hazardous substances; however, there are no reports on the actual content within the piles. Based on aerial observations, ash was also stored in the hog fuel pile footprint and may still be present in the piles. Hog fuel was not the only fuel used, additional fuel included tires and paper waste. Depending on the combustion source, ash may contain hazardous substances.

6.2 Opinion

The following section provides the rationale for characterizing each finding.

- **Lagoon Release –** Based on historical records, the removal effort of sludge was addressed under DEQ's direction and satisfaction. Analytical results from 1981 are below current Residential RBCs for the soil ingestion pathway. Though DEQ initially listed the Site on the inventory of confirmed releases, the Site was removed because the release did not meet the listing criteria. Because the lagoon release was addressed to DEQ's satisfaction at the time and based on historical data, concentrations of metals do not exceed current RBC; the release is considered a HREC.

- **Bunker C Tank Area** – Because of the history of releases; lack of no further action letter in the records; and site visit observations, the bunker C tank area is considered a REC.

- **Paper Machine Building Releases** – Because of the history of releases and lack of controls present for the residual contamination, the releases near the paper machine building are a REC.

- **Transformer Release area** – Because of the lack of information regarding investigations and cleanup and lack of no further action letter in the records, the transformer release area near the former storage buildings is a REC.

- **Hydraulic Truck Lift Area at Former Chip Pile** – Because of the history of releases; lack of no further action letter in the records; and site visit observations, the hydraulic truck lift area is considered a REC.

- **Fuel Line Leak Area** – Because of the lack of documentation of remedial actions following the 2001 investigation and lack of no further action letter in the records, the fuel line leak area is a REC.

- **Locomotive Service Pit Area** – Because of the lack of documentation regarding any additional investigations confirming the success of remedial actions and lack of no further action letter in the records, the area adjacent to the locomotive service pit is a REC.

- **USTs** – Because a no further action letter was obtained for the gasoline UST and the oil sumps were cleaned up to a level approved by DEQ, the USTs are HRECs.

- **Hog Fuel and Inert Material Piles** – Based on the review of aerial photos and site visit observations, hog fuel piles and inert material piles are present at the Site. Though hog fuel and inert material are not themselves hazardous substances, data is lacking on the actual content of the piles and therefore, the piles are considered RECs.

6.3 Data Gaps

This section discusses data gaps in the available information reviewed during this ESA and the significances of the data gaps on the conclusions of the ESA.

- At the time of the Site visit, most of all structures in the power and filter plant areas and switch yard were demolished and the area around the paper machine building was under active demolition; therefore, these areas and any observations related to active operations could not be made. However, records of these locations are in the facility files.
- The fencing along the southern boundary of the Site prohibited access to the areas suspected to be hog fuel piles. No observations of the piles could be made at the time of the Site visit.
- Transformers were removed prior to the Site visit therefore no observations of standard PCB containing labels could be made; however, facility records indicate no PCBs were present.

7 CONCLUSIONS

Based on the review historical records including available Facility investigation reports, state records, standard environmental records, and historical use information; and relevant environmental records/permits and site visit observations, the following are RECs:

- Bunker C Tank Area;
- Hydraulic Truck Lift Area at Former Chip Pile;
- Paper machine building releases;
- Transformer Release area;
- Fuel Line Leak Area;
- Locomotive Service Pit Area; and
- Hog Fuel and Inert Material Piles

The following are HRECs:

- USTs, and
- Lagoon Release

All identified RECs are located within interior portions of the Site for which access control provisions have been maintained to prevent public contact and associated risks. To support redevelopment and future use of the Site, investigations and potentially additional remedial measures will need to be conducted to detect and mitigate the presence of hazardous substances or petroleum products at locations where RECs are present. No investigations or further remediation is warranted where HRECs are present as these have been addressed to the satisfaction of DEQ and have met unrestricted use criteria established by DEQ.

8 REFERENCES

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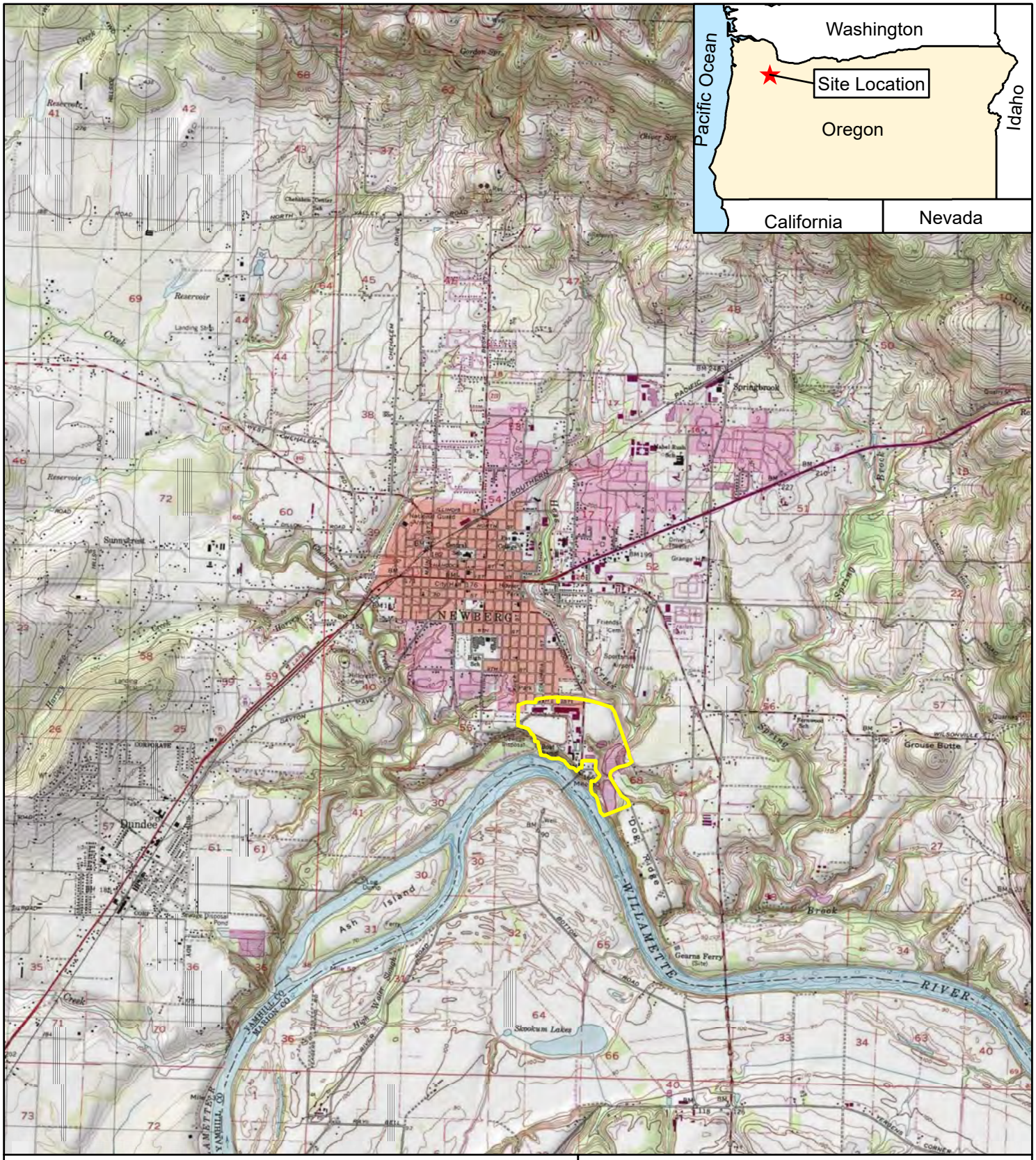
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FIGURES



Legend

Approximate Site Boundary

Notes:
Topo Source:Copyright:© 2013 National Geographic Society, i-cubed

N

0 4,000 Feet

Site Location

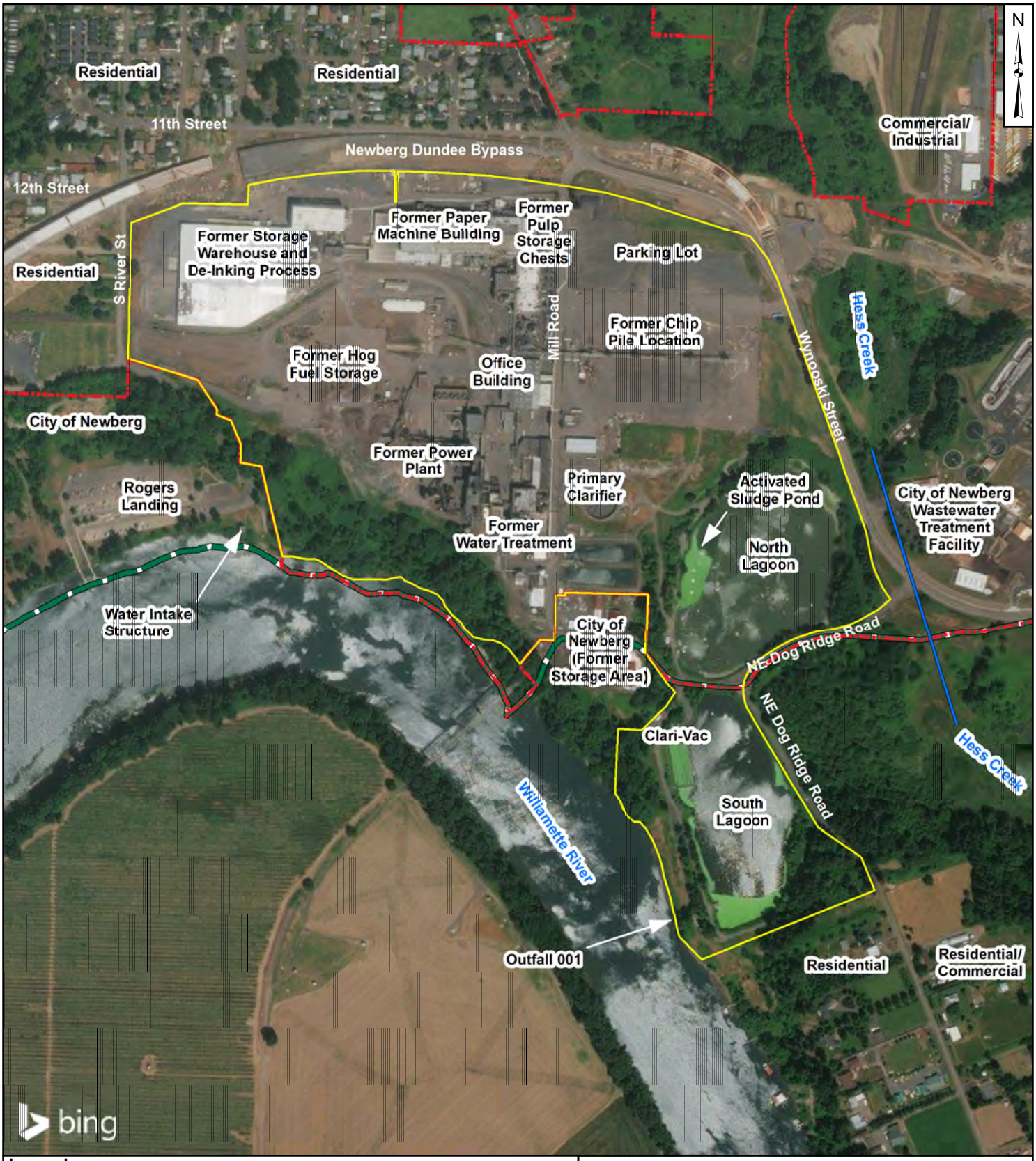
1301 Wynooski Street
Newberg, Oregon

EnviroAnalytics Group

Figure 1

Newberg OR LLC | April 2022

U:\EAG Projects\OR Newberg OR, LLC (Westrock)\GIS\mxd\Design Study\Fig 01 Site Vicinity.mxd 4/4/2022 12:50:26 PM



Legend

- Approximate Site Boundary
- Hess Creek Bypass Line
- City of Newberg Boundary
- UGB Yamhill County

0 600 Feet

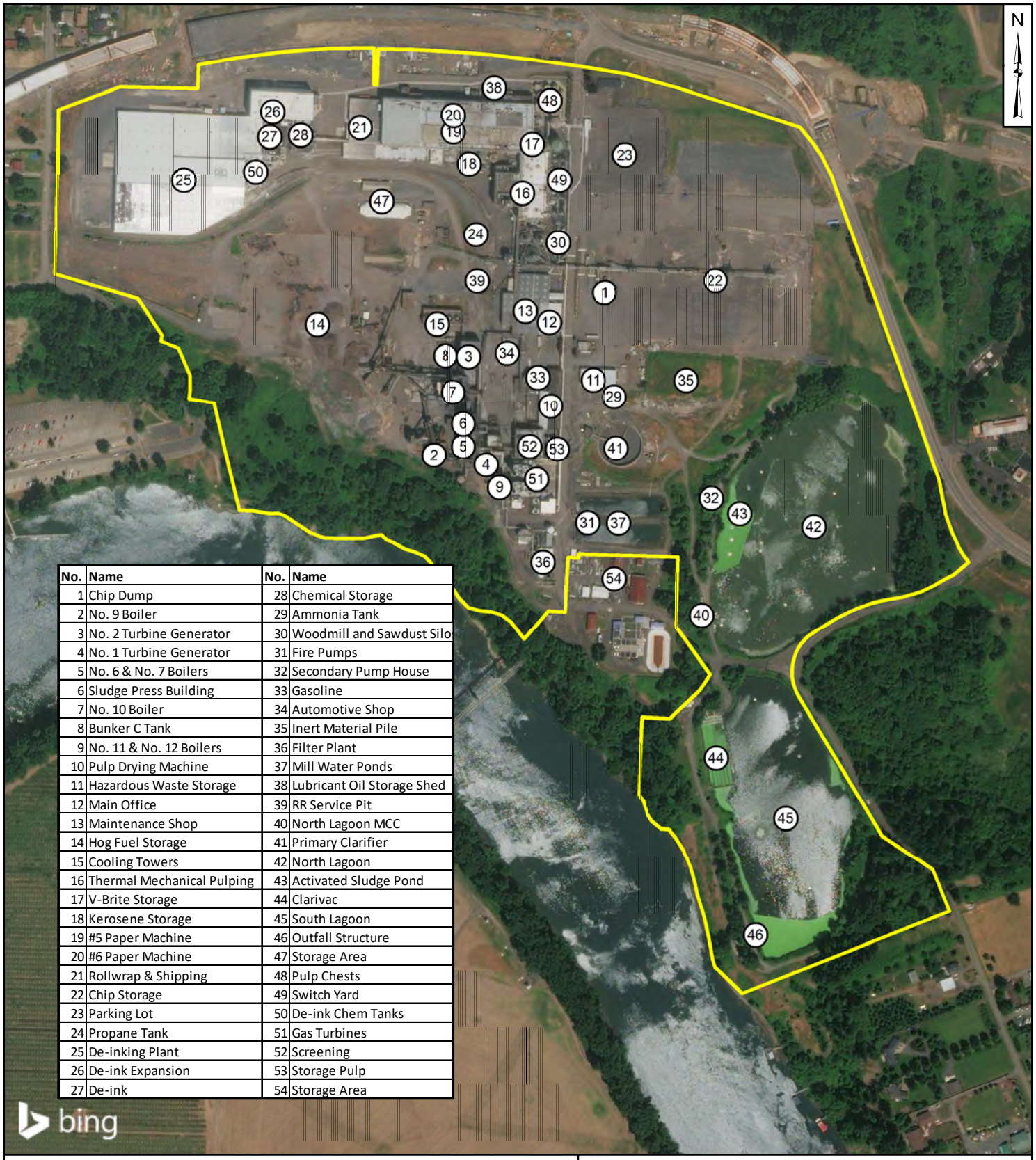
Site Layout
1301 Wynooski Street
Newberg, Oregon

EnviroAnalytics Group

Newberg OR LLC | April 2022

Figure 2

U:\EAG Projects\OR Newberg OR, LLC (Westrock)\GIS\mxd\VCP\Fig 02 Site Layout.mxd 4/4/2022 12:36:28 PM



No.	Name	No.	Name
1	Chip Dump	28	Chemical Storage
2	No. 9 Boiler	29	Ammonia Tank
3	No. 2 Turbine Generator	30	Woodmill and Sawdust Silo
4	No. 1 Turbine Generator	31	Fire Pumps
5	No. 6 & No. 7 Boilers	32	Secondary Pump House
6	Sludge Press Building	33	Gasoline
7	No. 10 Boiler	34	Automotive Shop
8	Bunker C Tank	35	Inert Material Pile
9	No. 11 & No. 12 Boilers	36	Filter Plant
10	Pulp Drying Machine	37	Mill Water Ponds
11	Hazardous Waste Storage	38	Lubricant Oil Storage Shed
12	Main Office	39	RR Service Pit
13	Maintenance Shop	40	North Lagoon MCC
14	Hog Fuel Storage	41	Primary Clarifier
15	Cooling Towers	42	North Lagoon
16	Thermal Mechanical Pulping	43	Activated Sludge Pond
17	V-Brite Storage	44	Clarivac
18	Kerosene Storage	45	South Lagoon
19	#5 Paper Machine	46	Outfall Structure
20	#6 Paper Machine	47	Storage Area
21	Rollwrap & Shipping	48	Pulp Chests
22	Chip Storage	49	Switch Yard
23	Parking Lot	50	De-ink Chem Tanks
24	Propane Tank	51	Gas Turbines
25	De-inking Plant	52	Screening
26	De-ink Expansion	53	Storage Pulp
27	De-ink	54	Storage Area

Legend

- Former Operation
- Approximate Site Boundary

0 500 Feet

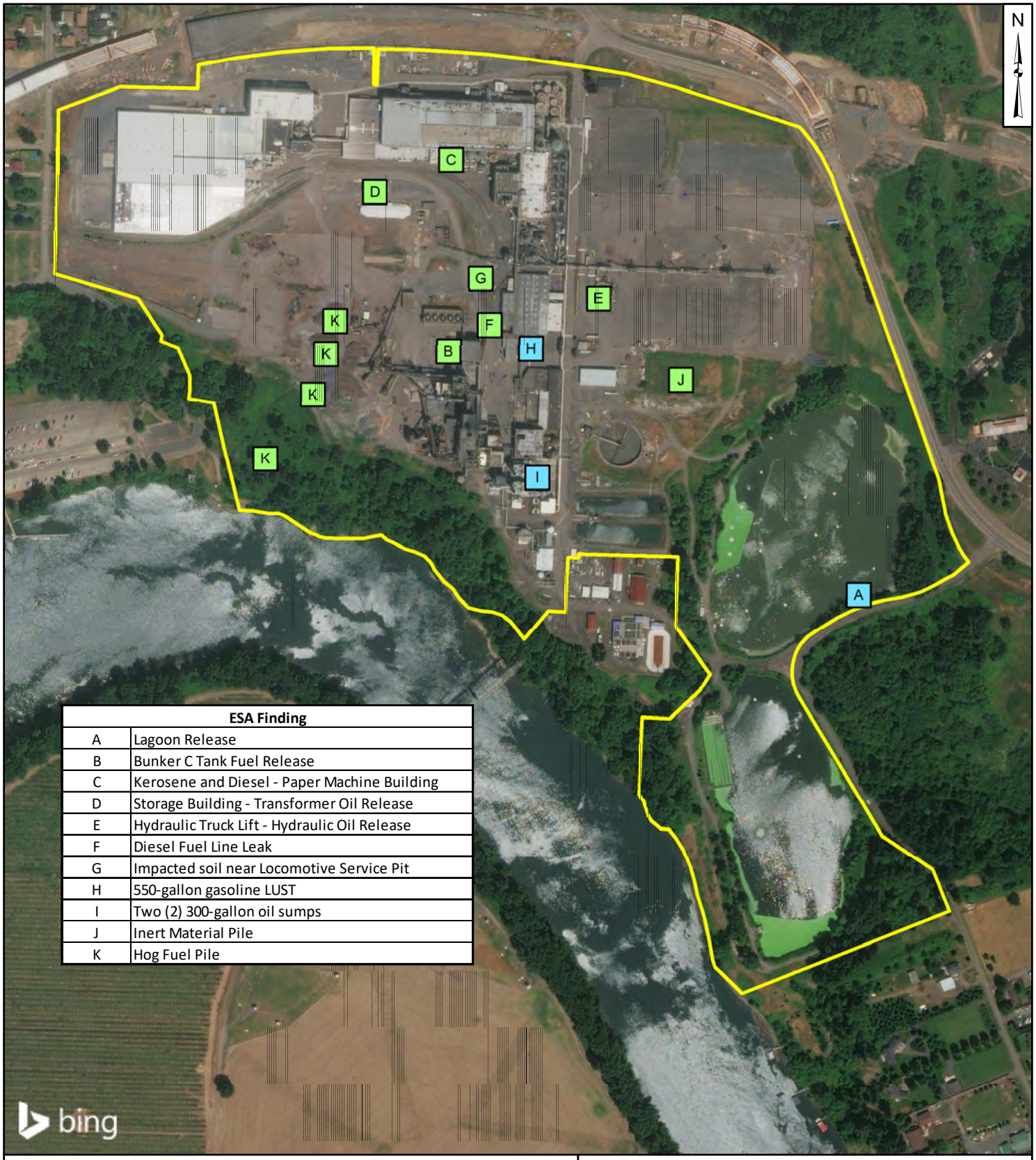
Former Facility Operations

1301 Wynooski Street
Newberg, Oregon

EnviroAnalytics Group

Newberg OR LLC	April 2022	Figure 3

U:\EAG Projects\OR Newberg OR, LLC (Westrock)\GIS\mxd\VCP\Fig 03_Former Facility Ops.mxd 4/4/2022 12:53:52 PM



ESA Finding	
A	Lagoon Release
B	Bunker C Tank Fuel Release
C	Kerosene and Diesel - Paper Machine Building
D	Storage Building - Transformer Oil Release
E	Hydraulic Truck Lift - Hydraulic Oil Release
F	Diesel Fuel Line Leak
G	Impacted soil near Locomotive Service Pit
H	550-gallon gasoline LUST
I	Two (2) 300-gallon oil sumps
J	Inert Material Pile
K	Hog Fuel Pile

Legend

- Recognized Environmental Condition (REC)
- Historical REC
- Approximate Site Boundary

0 500 Feet

ESA Findings

1301 Wynooski Street
Newberg, Oregon

EnviroAnalytics Group

Newberg OR LLC	April 2022	Figure 4

U:\EAG Projects\OR Newberg OR, LLC (Westrock)\GIS\mxd\VCP\Fig 04_EA Findings_Rev.mxd 4/18/2022 11:22:06 AM

TABLES

Table 1. Oil and Hazardous Material Inventory > 500 gallons
Environmental Site Assessment
Newberg OR LLC

Quantity (gal)	Material	Tank Description	Location	Secondary Containment
Oil Inventory				
153,000	Low sulfur diesel	Steel AST	West of #2 Turbine Generator Building	Concrete pit
8,000	Diesel Fuel	2 - Steel AST	West of #2 Turbine Generator - Next to 153,000 gallon tank	Concrete pit
5,000	Lube Oil	Lube System	#5 Paper Machine Basement - Dryer Lube	Stormwater system and Mill Treatment
4,200	Lube Oil	Steel AST	Near #6 Paper Machine East Cooling Tower	Building foundation
3,000	Kerosene	Double-Walled Steel AST	#5 Paper Machine Building	Double-walled coffin tank
2,700	Lube Oil	Steel AST	Southwest of #2 Turbine Generator	Concrete curb along side concrete pit
2,500	Lube Oil	Lube System	Inside #2 Turbine Generator Building	Building foundation
2,500	Lube Oil	Bowser Tank and Lube System	Inside #1 Turbine	Building foundation
2,000	Lube Oil	Lube System	#6 paper Machine Basement - Dry end lube	Stormwater system and Mill Treatment
Other Hazardous Materials				
12,500	Sodium Silicate	Unknown	South of Deinking Addition	Unknown
12,500	Caustic Soda	Unknown	South of Deinking Addition	Unknown
12,500	Hydrogen Peroxide	Unknown	South of Deinking Addition	Unknown
Unknown	Sulfite	Unknown	East of Paper Machine building in tank farm	Unknown
Unknown	Sulfite	Unknown	East of Paper Machine building in tank farm	Unknown
12,000	Ammonia	Steel Tank	South of Hazardous Waste building	Unknown

Table 2. Sediment Historical Analytical Methods
Environmental Site Assessment
Newberg OR LLC

Parameter/Group	Analytical Method	Sludge 3/13/2014	Clarivac 2/11/2016	North Lagoon 2/2/2018	North Lagoon 5/12/2020	Clarivac 5/12/2020	Lagoons 10/28-10/29/2020
Metals	TCLP-6020B			X	X	X	X
Metals	6020B	X					
Metals	6010C	X	X				
Mercury	TCLP-7470A						X
Mercury	7471B	X					
Organochlorine Pesticides	EPA 3541, 8081B	X					
BTEX	8260B			X			
VOCs	TCLP-8260D				X	X	X
SVOCs	TCLP-8270E				X	X	X
SVOCs	8270D	X					
PCBs	8082A	X					X
TPH - Oil and Grease	9071B						X
DRO	NW TPH-Dx			X			
ORO	NW TPH-Dx			X			
Total Solids		X	X				X
Kjeldahl Nitrogen, TKN		X					X
Total Organic Carbon		X					X
$CaCO_3$ Equivalency		X					
Solids, Total Volatile		X					

Definitions:

BTEX - Benzene, Toluene, Ethyl benzene, Xylene
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile organic compounds
PCBs - Polychlorinated biphenyls
TPH - Total petroleum hydrocarbons
DRO - Diesel range organics
ORO - Oil range organics
CaCO3 - Calcium carbonate
TCLP - Toxicity characteristic leaching procedure

Table 3. Sediment Sample Results - Detected
Environmental Site Assessment
Newberg OR LLC

Parameter	Units	RBC_{ss}[1] (mg/kg)	Sludge 3/13/2014	Clari-vac 2/11/2016	North Lagoon (see note 1) 2/2/2018	North Lagoon 5/12/2020	Clari-vac 5/12/2020	Lagoons (see note 1) 10/28-10/29/2020
Metals								
TCLP - Arsenic (see note 2)	mg/l	NA	<0.6	<12	<0.1	<0.10	<0.10	<0.0200 - 0.0202
TCLP - Barium (see note 2)	mg/l	NA	--	--	<0.50	<5.0	<5.0	0.122 - 0.408
Barium	mg/kg	15,000	41	182	--	--	--	--
Cadmium	mg/kg	78	0.18	0.67	--	--	--	--
Calcium	mg/kg	NA	80,300	--	--	--	--	--
Chromium	mg/kg	120,000	4.7	16.5	--	--	--	--
Copper	mg/kg	3,100	48.4	--	--	--	--	--
Lead	mg/kg	400	4.9	35.1	--	--	--	--
Magnesium	mg/kg	NA	1,110	--	--	--	--	--
Manganese	mg/kg	1,800	110	--	--	--	--	--
Molybdenum	mg/kg	NA	1.9	--	--	--	--	--
Nickel	mg/kg	1,500	2.4	--	--	--	--	--
Vanadium	mg/kg	NA	3.6	--	--	--	--	--
Zinc	mg/kg	NA	63.6	--	--	--	--	--
Mercury	mg/kg	23	0.08	0.141	--	--	--	--
Semivolatile Organic Compounds (SVOCs)								
Fluoranthene	mg/kg	2,400	--	3.5	--	--	--	--
Pyrene	mg/kg	1,800	--	3	--	--	--	--
Bis(2-ethylhexyl) Phthalate	mg/kg	39	--	5.8	--	--	--	--
Total Petroleum Hydrocarbons (TPHs)								
TPH - Oil and Grease	mg/kg	NA	--	--	--	--	--	1,250 – 11,700
Oil Range Organics	mg/kg	2,800	--	--	162 - 640	--	--	--
Conventional Analyses								
Total Volatile Solids	%	NA	70.30%	--	--	--	--	--
CaCO3 Equivalency	%	NA	23.80%	--	--	--	--	--
Total Organic Carbon	mg/kg	NA	--	--	--	--	--	191,000 – 329,000
Carbon, Total Organic (TOC) dry basis	%	NA	79.20%	--	--	--	--	--
Carbon, Total Organic (TOC) wet basis	%	NA	2.78%	--	--	--	--	--
Nitrogen, Total Kjeldahl (TKN)	mg/kg	NA	4850	--	--	--	--	2,770 - 17,200
pH	s.u.	NA	7.37	--	--	--	--	6.91 – 7.46
Total Solids	%	NA	42%	11.10%	--	--	--	9.45 - 19.70%

Notes:

1. Several samples collected, range of results are shown in table.
2. Analyzed using TCLP method.
3. Risk-Based Concentration (RBC) for Residential Direct Contact Soil (DEQ, 2017)

APPENDICES

APPENDIX A

EDR Radius Report

Former SP Fiber Technologies/Westrock Facility
1301 Wynooski Road
Newberg, OR 97132

Inquiry Number: 6784202.5
December 15, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

1301 Wynooski Road
Newberg, OR 97132

Year	*CD Image*	*Source*
WYNOOSKI ST		
2017	pg A2	EDR Digital Archive
2014	pg A4	EDR Digital Archive
2010	pg A6	EDR Digital Archive
2005	pg A8	EDR Digital Archive
2000	pg A10	EDR Digital Archive
1995	pg A12	EDR Digital Archive
1992	pg A13	EDR Digital Archive

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2017

401	MCGUFFIE, LARRY A
409	HILLIARD, JEREMY E
410	DICKSON, ELIJAH D
416	KANE, JEFFREY T
424	STRANDBERG, MICHAEL
425	DAVIS, MICHAEL L
426	GOINS, NATHAN K
428	BECK, ERIK
	COTTAM, DAVID E
	WARREN, JARED
432	BROOKS, JAMES L
434	ROBINSON, FRANK I
436	WRIGHT, SHELBY D
438	PFAFFLE-THOMPSON, THERESA A
444	BUCK, ED D
500	BELLISARIO, RICHARD M
501	BRADFORD, MARTIN L
507	FERGUSON, FRED P
518	HOLBOKE, JAY E
520	MOORE, KAREN A
600	CONSOLIDATED FIRE PROTECTION SERVICE
	SCHNEIDER, DANIEL R
609	CS LEWIS ACADEMY PREK 8
619	YODER, ERNEST J
700	MCCOMB, STEWART S
706	WOODARD, BRIAN
707	MCINTYER, JO
708	BALES, GERALD L
709	MCKELVEY, VAND D
712	NEWBERG PROFESSIONAL BLDG LLC
	ROSENBERGER, STEPHEN D
718	MILLER, RANDY
721	HOLDAHL, TERRY L
724	OLIVARES, BONIFACIO G
730	SUNDERLAND, CLARE L
740	WHEATON, JAMES
805	ABEYTA, BRITTANY
810	MAJDECKI, SCOTT A
815	TWENGE, CURTIS D
835	BEATTY, DOUGLAS C
910	LEARD, KENNETH D
917	LEWIS, STEVEN D
1005	BEVIS, NATASHA
	BEVIS, RUTH A
	BRAITHWAIT, BRITNI A
	COUSINS, ARICK T
	CURIEL, ARMANDO
	HOSFORD, TANNER
	LAMBERT, GENEVA
	PUTZIER, DUSTIN J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2017 (Cont'd)

1005 RARICK, SARA
SIVLEY, TERESA L
VANDYKE, DOUG E
WONG, JACQUELINE L
1012 DARBY, JOSH
1015 DELGADO, LUIS A
1400 S P NEWSPRINT COMPANY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2014

401	HOUSER, STEVEN B
409	ROCKWELL, JOSH A
410	DICKSON, ELIJAH D
416	KANE, JEFFREY T
424	STRANDBERG, MICHAEL
425	HEADRICK, GARRETT L
426	PETRIE, ANDREW
428	CLARK, NICHOLAS L
	IMUS, AUDRA
	WARREN, JARED
430	ERWIN, MIKE
432	BROOKS, JAMES L
434	ROBINSON, FRANK I
435	PHILLIPS, RICHARD P
436	MARSHALL, ROB C
438	THOMPSON, ERIC L
444	BUCK, ED D
500	BELLISARIO, RICHARD M
501	BRADFORD, MARTIN L
507	FERGUSON, FRED P
513	OCCUPANT UNKNOWN,
518	HOLBOKE, JAY E
520	BATES, BARBARA J
600	CONSOLIDATED FIRE PROTECTION SERVICE
	SCHNEIDER, DANIEL R
609	CS LEWIS ACADEMY PREK 8
619	YODER, ERNEST J
700	MCCOMB, STEWART S
706	WOODARD, BRIAN
707	MCINTYRE, JO
708	BALES, GERALD L
709	OCCUPANT UNKNOWN,
712	NEWBERG PROFESSIONAL BLDG LLC
	ROSENBERGER, STEPHEN D
717	SNYDER, GEORGE A
718	MCCONAUGHEY, MICHAEL E
719	OCCUPANT UNKNOWN,
721	OCCUPANT UNKNOWN,
724	OLIVARES, BONIFACIO G
730	SUNDERLAND, CLARE L
740	WHEATON, JAMES
800	LABADIE, JULIAN U
805	CASTILE, ISAAC
810	MAJDECKI, SCOTT A
815	ZINN, RICHARD W
835	BEATTY, DOUGLAS C
900	OCCUPANT UNKNOWN,
910	LEARD, KENNETH D
917	LEWIS, STEVEN D
918	LEARD, JAMES R

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2014 (Cont'd)

1005	BEACH, MADDI
	BRAITHWAIT, BRITNI A
	CAMPBELL, CHRISTINA H
	CURIEL, ARMANDO
	KELLEY, CRYSTAL D
	LAMBERT, GENEVA
	NELSON, LYLE W
	PARR, ALICE N
	RICHARDSON, LINDA D
	VANDYKE, DOUG E
	WAKEFIELD, KATHY
	WONG, JACQUELINE L
1012	DARBY, JOSH
1015	OCCUPANT UNKNOWN,
1400	S P NEWSPRINT COMPANY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2010

401	HOUSER, JOSH S
409	ROCKWELL, JOSH A
410	DICKSON, ELIJAH D
416	KANE, JEFFREY T
424	MAHONEY, TIMOTHY D
425	HEADRICK, GARRETT L
426	BIEDUL, CHRISTINE M
	PETRIE, ANDREW
428	WIARDA, NICHOLAS R
430	ERWIN, MIKE
432	OCCUPANT UNKNOWN,
434	ROBINSON, FRANK I
435	PHILLIPS, RICHARD P
436	MARSHALL, ROB C
438	PFAFFLE-THOMPSON, THERESA A
444	BUCK, ED D
500	BELLISARIO, RICHARD M
501	BRADFORD, MARTIN L
507	FERGUSON, FRED P
513	HEIKKINEN, DAVID L
518	HOLBOKE, JAY E
520	BATES, GLENN L
600	SCHNEIDER, DANIEL R
609	C S LEWIS ACADEMY PREK8TH
619	YODER, ERNEST J
700	MCCOMB, STEWART S
707	ESSELMAN, JACKSO
708	BALES, GERALD L
	KIND, ROBIN P
	LEE, S
709	MALLOY, SEAN
712	FINGERUT, MICHAEL L
717	SNYDER, LEE B
718	MCCONAUGHEY, SHAWN
719	OCCUPANT UNKNOWN,
721	HOLDAHL, TERRY L
724	OLIVARES, BONIFACIO G
730	SUNDERLAND, CLARE L
740	WHEATON, JAMES
800	LABADIE, JULIAN U
805	EDWARD, ALLEN J
810	MAJDECKI, SCOTT A
815	OCCUPANT UNKNOWN,
835	BEATTY, DOUGLAS C
900	DARBY, ANN M
910	LEARD, KENNETH D
917	SMITH, NORMAN G
918	OCCUPANT UNKNOWN,
1005	BUNN, UKIAH
	CORDER, FLORENE F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2010 (Cont'd)

1005	COTTIER, JORDANA M
	HIBBLER, LESLIE R
	MCPHERSON, RASHELLE
	MEDINA, JOHN
	PEDIGO, JOSEPH F
	SHERWOOD, AARON
	TAPIA, DEVIN
	VANDYKE, ZANITA L
	VOSS, CINDY J
1012	DARBY, CHRISTIN E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2005

401	OCCUPANT UNKNOWN,
409	SAAGER, MATTHEW W
410	DICKSON, ELIJAH D
416	DANG LLC
	KANE, JEFFREY T
424	OCCUPANT UNKNOWN,
425	HEADRICK, GARRETT L
430	TAYLOR, AUSTIN J
432	BROOKS, SANDRA L
434	ROBINSON, FRANK I
435	PHILLIPS, RICHARD P
436	LEWIS, TAMMY J
438	PFAFFLE-THOMPSON, THERESA A
444	BUCK EDWARD D
	BUCK, EDWARD D
500	BELLISARIO, RICHARD M
501	BRADFORD, MARTIN L
507	LOONEY, PAUL L
513	HEIKKINEN, DAVID L
518	JOYCE, WALTER L
520	BATES GLENN L INS
	BATES, BARBARA J
	PRINCIPAL LIFE
	WILLAMETTE INSURANCE PROCESSIN
	WILLAMETTE INSURANCE PROCESSING
600	CONSOLIDATED FIRE PROTECTION SERVICE
	SCHNEIDER, DANIEL R
619	YODER, ERNEST J
700	MCCOMB, STEWART S
707	HENRY, BETHANY
708	BALES, GERALD L
	GIBBENS, LILLIAN F
	LEAR, PHYLLIS A
709	MALLOY, JODI M
712	FINGERUT, MICHAEL L
717	SNYDER, DANIEL J
718	MCCONAUGHEY, ROY E
719	OCCUPANT UNKNOWN,
721	HOLDAHL, TERRY L
724	STEPHENS, MATT J
730	SUNDERLAND, CLARE L
740	WHEATON, JAMES
800	LABADIE, JULIAN U
805	EDWARD, ALLEN J
810	MAJDECKI, SCOTT A
815	ZINN, RICHARD A
835	KARSTENSEN, RONALD
900	DARBY, ANN M
910	LEARD, KENNETH D
917	LEWIS, STEVEN D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2005 (Cont'd)

918	LEARD, JAMES R
1005	ANDERSON, BRETT O
	BATES, ANGELA
	CADDELL, JEROD R
	CORDER, FLORENE F
	CRAWFORD, D
	CURIEL, ARMANDO
	DAVIS, DEREK
	FRANKLIN, VIRGINIA D
	GIEROK, EDWARD T
	HAMILTON, HOWARD
	HIBBLER, LESLIE R
	HOLLIS, HAYLIE
	KING, MICHAEL E
	LETTEER, MARVIN L
	MCCUTCHEN, COLIN
	MEDINA, JOHN
	PINA, LUZ
	SKOBO, PHIL J
	SPRECHER, TRAVI D
	VANDYKE, ZANITA L
	VOSS, CINDY
1012	DARBY, CHRISTINE E
1015	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2000

409	SAAGER, MATT
410	OCCUPANT UNKNOWN,
416	KANE, JEFF
424	HESS CREEK BOATWORKS
	OCCUPANT UNKNOWN,
425	OCCUPANT UNKNOWN,
430	POWERS, GARY
432	OCCUPANT UNKNOWN,
434	ROBINSON, FRANK A
435	PHILLIPS, BARBARA M
436	PANGBORN, VICKI
438	LANCASTER, JAMES M
444	BUCK, ED
500	BELLISARIO, RICHARD
507	LOONEY, PAUL
513	HEIKKINEN, DAVID L
518	JOYCE, WALTER
520	BATES, BARBARA J
600	CONSOLIDATED FIRE PROTECTION SERVICES
	OCCUPANT UNKNOWN,
601	ST PETERS SCHOOL
616	OCCUPANT UNKNOWN,
619	OCCUPANT UNKNOWN,
700	OCCUPANT UNKNOWN,
707	FREEMAN, LEE
708	GIBBENS, STANLEY B
709	MALLOY, SEAN
712	FINGERUT, MICHAEL
717	SNYDER GEORGE A
	SNYDER, GEORGE A
718	WATERER, DENISE
721	OCCUPANT UNKNOWN,
730	LONGSTROTH, TONY
805	ALLEN MUSIC STUDIO
810	MAJDECKI, SCOTT
811	OCCUPANT UNKNOWN,
815	KARSTENSEN, KEVIN
835	KARSTENFEN, RONALD
900	DARBY, A M
910	LEARD, KENNETH D
918	LEARD, JAMES
1005	CATHERINE, W
	HERRETT, MICHAEL A
	HEWITT, J
	OCHOA, DANYA
	SKOBO, PHIL
	TONE, IRENE
	TORRES, JON L
	WAXENFELTER, AARON
1012	DARBY, C E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 2000 (Cont'd)

1015 CHRISTIAN, RENE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 1995

424	EARL, JAMES H
430	POWERS, GARY JR
434	ROBINSON, FRANK A
436	PERRY, CHRIS
438	OCCUPANT UNKNOWNN
501	OCCUPANT UNKNOWNN
507	INLOES, MEL
513	HEIKKINEN, DAVID L
518	JOYCE, WALTER
520	BATES, BARBARA J
600	OCCUPANT UNKNOWNN
601	ST PETERS PARISH CTR
616	LILLY, DAVID H
619	YURKOVICH, MARK
700	OCCUPANT UNKNOWNN
707	OCCUPANT UNKNOWNN
708	GIBBENS, STANLEY B
709	MAHANEY, M
712	HESS CANYON ESTATES
	OCCUPANT UNKNOWNN
717	GEORGE A SNYDER GUNSMITH
	SNYDER, GEORGE A
718	MCCUTCHEN, ROBERT D
721	OCCUPANT UNKNOWNN
810	MAJDECKI, SCOTT
900	DARBY, JAMES D
918	LEARD, JAMES
1005	CARSLEY, DAVID
	DEKAR, JEREMY
	DONATHAN, JOHN
	ELAND, RODNEY
	MALDONADO, AGUSTIN
1015	TRUNDE, ANNA M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

WYNOOSKI ST 1992

410	AHO, EINO R
416	EAGLES, BERTHA
434	ROBINSON, FRANK A
507	INLOES, MEL
518	JOYCE, WALTER
520	BATES, BARBARA J
600	JOHNSON, WARREN M
616	LILLY, DAVID H
619	YURKOVICH, MARK
708	GIBBEN, STANLEY B
	SCHWARTZ, ALLEN
709	MAHANEY, RAY
717	SNYDER, GEORGE A
718	MCCUTCHEN, ROBERT D
721	WILSON, DAVID L
810	MAJDECKI, SCOTT
900	DARBY, JAMES D
918	LEARD, JAMES
1005	CORTEZ, LINDA L
	DRISCOLL, ART
	HODGES, STEVE
	KAAI, LESLIE
	KENNEN, THOMAS S
	MEDINA, FERMIN
	THOMAS, GLENN
1015	TRUNDE, ED

Former SP Fiber Technologies/Westrock Facility
1301 Wynooski Road
Newberg, OR 97132

Inquiry Number: 6784202.2s
December 10, 2021

The EDR Radius Map™ Report with GeoCheck®

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1301 WYNOOSKI ROAD
NEWBERG, OR 97132

COORDINATES

Latitude (North):	45.2878600 - 45ˆ 17' 16.29''
Longitude (West):	122.9561800 - 122ˆ 57' 22.24''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	503436.4
UTM Y (Meters):	5014712.5
Elevation:	143 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14878140 NEWBERG, OR
Version Date:	2020

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140630
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1301 WYNOOSKI ROAD
NEWBERG, OR 97132

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SMURFIT NEWSPRINT CO	1301 WYNOOSKI ST	RGA HWS		TP
A2		1301 WYNOSKI STREET	SPILLS 90		TP
A3	SP NEWSPRINT CO., LL	1301 WYNOOSKI ST	TSCA, ICIS, US AIRS, FINDS, ECHO		TP
A4	SP NEWSPRINT CO.	1301 WYNOOSKI ST	LUST, UST, AIRS, MANIFEST		TP
A5		1301 WYNOOSKI STREET	ERNS		TP
A6	SMURFIT NEWSPRINT CO	1301 WYNOOSKI STREET	TSCA		TP
A7		1301 WYNOOSKI ST	SPILLS		TP
A8	WESTROCK NW LLC	1301 WYNOOSKI RD	ECSI, AST, SPILLS, OR HAZMAT, HSIS		TP
A9	SMURFIT NEWSPRINT	1301 WYNOOSKI ST	RGA LUST		TP
A10		1301 WYNOOSKI	HMIRS		TP
A11		1301 WYNOOSKI ST	SPILLS		TP
A12	SMURFIT NEWSPRINT CO	1301 WYNOOSKI ST.	RGA HWS		TP
A13		1301 WYNOOSKI ST	SPILLS		TP
A14	SP NEWSPRINT CO., LL	1301 WYNOOSKI ST	RCRA-VSQG, PADS, MANIFEST, NPDES		TP
A15	SP NEWSPRINT CO - NE	1301 WYNOOSKI STREET	TSCA		TP
A16	SMURFIT NEWBERG	1301 WYNOOSKI ST	RGA LUST		TP
B17	SMURFIT NEWSPRINT CO	WYNOOSKI ST (FOOT OF	RGA HWS	Higher	1 ft.
B18	SMURFIT NEWSPRINT CO	WYNOOSKI ST	RGA LUST	Higher	1 ft.
C19	SMURFIT NEWSPRINT CO	1302 WYNOOSKI STREET	FINDS	Lower	1 ft.
20	ALLEGHENY INDUSTRIAL	12TH & PACIFIC	FINDS, ECHO	Higher	1 ft.
B21	SMURFIT NEWBERG	WYNOOSKI STREET	RGA LUST	Higher	1 ft.
B22	SMURFIT NEWSPRINT	WYNOOSKI ST	RGA LUST	Higher	1 ft.
B23	SMURFIT NEWSPRINT CO	WYNOOSKI RD	FTTS, HIST FTTS	Higher	1 ft.
D24	NEWBERG RIVER ROCK P		MINES MRDS	Higher	1 ft.
C25	SMURFIT NEWSPRINT CO	1302 WYNOOSKI STREET	SEMS	Lower	1 ft.
26		ROGER'S LANDING - WI	SPILLS	Lower	1 ft.
D27	NEWBERG RIVER ROCK		MINES MRDS	Higher	1 ft.
E28	CITY OF NEWBERG	2200 WYNOOSKI RD.	AST, AIRS, HSIS	Higher	89, 0.017, SSE
E29	NEWBERG CITY OF WAST	2301 WYNOOSKI ST	RCRA-VSQG	Higher	159, 0.030, SE
E30	NEWBERG WASTEWATER T	2301 WYNOOSKI RD	LUST, UST, AST, SPILLS, AIRS, HSIS, NPDES	Higher	159, 0.030, SE
31	GLACIER NORTHWEST IN	2808 NE WYNOOSKI RD	AST, HSIS	Higher	194, 0.037, ESE
F32	NEWBERG TRANSFER STA	2904 WYNOOSKI RD.	SWF/LF, AST, HSIS, NPDES	Lower	411, 0.078, SE
F33	WM OF OR NEWBERG TRA	2904 NE WYNOOSKI RD	RCRA-VSQG	Lower	411, 0.078, SE
F34	NEWBERG GARBAGE SERV	2904 S WYNOOSKI RD	UST	Lower	411, 0.078, SE
G35	THE FIRST STUDENT BU	1000 COMMERCE PKWY	RCRA NonGen / NLR	Higher	825, 0.156, NNE
G36	FIRST STUDENT, INC.	1000 COMMERCE PARKWA	AST, HSIS	Higher	825, 0.156, NNE
G37	WESTERN HELICOPTER S	1055 COMMERCE PARKWA	LUST, UST, AST, HSIS	Higher	884, 0.167, NNE
H38	HEATING OIL TANK	1006 S COLLEGE ST	LUST	Higher	1163, 0.220, WNW
H39	HEATING OIL TANK	914 S COLLEGE ST	LUST	Higher	1201, 0.227, WNW

MAPPED SITES SUMMARY

Target Property Address:
1301 WYNOOSKI ROAD
NEWBERG, OR 97132

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
40	TYLER AUTOMOTIVE	3215 S. WYNOOSKI RD	RCRA NonGen / NLR	Higher	1304, 0.247, East
41	HEATING OIL TANK	708 S CHEHALUM ST	LUST	Higher	1464, 0.277, NW
42	HEATING OIL TANK	1609 NE WATERFRONT S	LUST	Higher	1506, 0.285, West
43	HEATING OIL TANK	820 S COLLEGE ST	LUST	Higher	1542, 0.292, WNW
I44	HEATING OIL TANK	1415 E 7TH ST	LUST	Higher	1595, 0.302, NW
45	SPORTSMAN AIRPARK	504 S AIRPARK WAY	LUST, AST, HSIS	Higher	1613, 0.305, North
46	HEATING OIL TANK	704 S MERIDIAN ST	LUST	Higher	1688, 0.320, WNW
I47	HEATING OIL TANK	601 WYNOOSKI ST	LUST	Higher	1752, 0.332, NW
48	HEATING OIL TANK	511 S COLUMBIA ST	LUST	Higher	2058, 0.390, NW
49	HEATING OIL TANK	620 E 6TH STREET	LUST	Higher	2449, 0.464, WNW
50	NEWBERG LANDFILL	1820 S. WATERFRONT S	SWF/LF, Financial Assurance, NPDES	Higher	2499, 0.473, WSW
51	HEATING OIL TANK	502 S EDWARDS STREET	LUST	Higher	2541, 0.481, NW
52	HEATING OIL TANK	308 E 8TH ST	LUST	Higher	2548, 0.483, WNW
53	NEWBERG DUMP (OLD)	S BLAINE ST.	ECSI	Lower	2656, 0.503, West
54	SOUTH RIVER ROAD SLU	101 S RIVER RD	ECSI, FINDS	Higher	3701, 0.701, NW
55	SCHARFF MOTOR FREIGH	2210 PORTLAND RD	ECSI, VCP, FINDS	Higher	4114, 0.779, North
56	BUTLER CHEVROLET (FO	411 E FIRST ST.	ECSI, BROWNFIELDS	Higher	4238, 0.803, NW
57	FORMER NEWBERG ONE H	2316 PORTLAND RD	ECSI, DRYCLEANERS	Higher	4498, 0.852, North
58	SUNSHINE CLEANERS NE	400 N SITKA AVE.	ECSI, DRYCLEANERS	Higher	4634, 0.878, North
J59	MORRIS TEXACO	101 E 1ST ST	ECSI, ENG CONTROLS, INST CONTROL, FINDS	Higher	4683, 0.887, NW
J60	J.L. INVESTMENTS, LL	105 N MAIN ST	ECSI	Higher	4799, 0.909, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SMURFIT NEWSPRINT CO 1301 WYNOOSKI ST NEWBERG, OR	RGA HWS	N/A
1301 WYNOSKI STREET 1301 WYNOSKI STREET NEWBERG, OR 97132	SPILLS 90 Status: NOT REPORTED Site Id: 2485	N/A
SP NEWSPRINT CO., LL 1301 WYNOOSKI ST NEWBERG, OR 97132	TSCA ICIS FRS ID:: 110000487072 US AIRS Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110000487072 FINDS Registry ID:: 110000487072 ECHO Registry ID: 110000487072	N/A
SP NEWSPRINT CO. 1301 WYNOOSKI ST NEWBERG, OR 97132	LUST Facility ID: 36-90-4258 Facility ID: 36-93-4206 Cleanup Complete: 11/16/1990 UST Facility ID: 4628 AIRS Source ID: 36-6142 Source ID: 366142 MANIFEST Status: SQG Status: LQG Status: Small quantity generator Status: Large quantity generator EPA Id: ORD009620378	N/A
1301 WYNOOSKI STREET 1301 WYNOOSKI STREET NEWBERG, OR	ERNS NRC Report #: 748645 Incident Date Time: 2005-01-29 15:15:00	N/A
SMURFIT NEWSPRINT CO 1301 WYNOOSKI STREET NEWBERG, OR 97132	TSCA	N/A

EXECUTIVE SUMMARY

1301 WYNOOSKI ST 1301 WYNOOSKI ST NEWBERG, OR 97132	SPILLS Incident Status: Archive Release Date: 11/30/1995 Facility ID: 1995-2425	N/A
WESTROCK NW LLC 1301 WYNOOSKI RD NEWBERG, OR 97132	ECSI Size: 4 acres Investigation: Suspect State ID Number: 338 Decode For Further Action: Medium AST Facility Id: 6471 SPILLS Incident Status: Archive Release Date: 01/29/2005 Release Date: 11/07/2005 Facility ID: 2005-0220 Facility ID: 2005-2608 Material: Process water, etc. Material: Diesel fuel Quantity: 1500 Quantity: 40 OR HAZMAT Facility Id: 1303693 HSIS Facility Id: 006471	N/A
SMURFIT NEWSPRINT 1301 WYNOOSKI ST NEWBERG, OR	RGA LUST Facility ID: 36-90-4258	N/A
1301 WYNOOSKI 1301 WYNOOSKI NEWBERG, OR	HMIRS	N/A
1301 WYNOOSKI ST 1301 WYNOOSKI ST NEWBERG, OR 97132	SPILLS Incident Status: Archive Release Date: 08/11/2001 Facility ID: 2001-1987	N/A
SMURFIT NEWSPRINT CO 1301 WYNOOSKI ST. NEWBERG, OR	RGA HWS	N/A
1301 WYNOOSKI ST 1301 WYNOOSKI ST NEWBERG, OR 97132	SPILLS	N/A

Incident Status: Archive
Release Date: 10/13/1997
Facility ID: 1997-2537

SP NEWSPRINT CO., LL 1301 WYNOOSKI ST NEWBERG, OR 97132	RCRA-VSQG EPA ID:: ORD009620378 PADS EPAID:: ORD009620378 MANIFEST Status: CEG Status: SQG Status: Small quantity generator EPA Id: ORD009620378 NPDES WQ File Nbr: 72615	ORD009620378
SP NEWSPRINT CO - NE 1301 WYNOOSKI STREET NEWBERG, OR 97132	TSCA	N/A
SMURFIT NEWBERG 1301 WYNOOSKI ST NEWBERG, OR	RGA LUST Facility ID: 36-93-4206	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

EXECUTIVE SUMMARY

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Lists of state- and tribal hazardous waste facilities

CRL ---------- Confirmed Release List and Inventory

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS ---------- Engineering Controls Recorded at ESCI Sites
INST CONTROL ---------- Institutional Controls Recorded at ESCI Sites

Lists of state and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Sites
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Brownfields Projects

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---- Recycling Facility Location Listing
HIST LF ---- Old Closed SW Disposal Sites
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- Columbia Slough
CDL ---- Uninhabitable Drug Lab Properties
US CDL ---- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---- CERCLA Lien Information

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
UXO ---- Unexploded Ordnance Sites
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
COAL ASH ---- Coal Ash Disposal Sites Listing
DRYCLEANERS ---- Drycleaning Facilities
Enforcement ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing

EXECUTIVE SUMMARY

UIC ..... Underground Injection Control Program Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO	1302 WYNOOSKI STREET	0 - 1/8 (0.000 mi.)	C25	258

Lists of Federal RCRA generators

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG CITY OF WAST EPA ID:: ORD987190980	2301 WYNOOSKI ST	SE 0 - 1/8 (0.030 mi.)	E29	265

Lower Elevation	Address	Direction / Distance	Map ID	Page
WM OF OR NEWBERG TRA EPA ID:: ORQ000038240	2904 NE WYNOOSKI RD	SE 0 - 1/8 (0.078 mi.)	F33	319

Lists of state- and tribal hazardous waste facilities

ECSI: The Environmental Cleanup Site Information System records information about sites in Oregon that may be of environmental interest. The data come from the Department of Environmental Quality.

A review of the ECSI list, as provided by EDR, and dated 06/01/2021 has revealed that there are 8 ECSI sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOUTH RIVER ROAD SLU Size: Approx. 3 acres Investigation: Suspect State ID Number: 2746 Decode For Further Action: Medium	***101 S RIVER RD***	***NW 1/2 - 1 (0.701 mi.)***	***54***	***358***
SCHARFF MOTOR FREIGH Size: 4.21 ac. Investigation: No Further Action State ID Number: 1269	***2210 PORTLAND RD***	***N 1/2 - 1 (0.779 mi.)***	***55***	***361***
BUTLER CHEVROLET (FO Size: 0.25 acre Investigation: No Further Action State ID Number: 1876	***411 E FIRST ST.***	***NW 1/2 - 1 (0.803 mi.)***	***56***	***367***
FORMER NEWBERG ONE H Size: 0.9 acre Investigation: No Further Action State ID Number: 4656	***2316 PORTLAND RD***	***N 1/2 - 1 (0.852 mi.)***	***57***	***374***
SUNSHINE CLEANERS NE Size: 0.4 AC Investigation: No Further Action	***400 N SITKA AVE.***	***N 1/2 - 1 (0.878 mi.)***	***58***	***382***

State ID Number: 5751
Decode For Further Action: Low

MORRIS TEXACO	***101 E 1ST ST***	***NW 1/2 - 1 (0.887 mi.)***	***J59***	***389***
Investigation: No Further Action State ID Number: 3779				
J.L. INVESTMENTS, LL	105 N MAIN ST	NW 1/2 - 1 (0.909 mi.)	J60	397
Size: 0.38 acres Investigation: Suspect State ID Number: 6414				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG DUMP (OLD)	S BLAINE ST.	W 1/2 - 1 (0.503 mi.)	53	352
Investigation: Suspect State ID Number: 1640 Decode For Further Action: Low				

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Quality's Closure & Regular Solid Waste Active Disposal Permits database.

A review of the SWF/LF list, as provided by EDR, and dated 07/26/2021 has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG LANDFILL	***1820 S. WATERFRONT S***	***WSW 1/4 - 1/2 (0.473 mi.)***	***50***	***349***
Facility Id: 104036 Permit Status: Closure				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG TRANSFER STA	***2904 WYNOOSKI RD.***	***SE 0 - 1/8 (0.078 mi.)***	***F32***	***308***
Facility Id: 104217 Permit Status: Active				

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Database List.

A review of the LUST list, as provided by EDR, and dated 07/01/2021 has revealed that there are 15 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG WASTEWATER T	***2301 WYNOOSKI RD***	***SE 0 - 1/8 (0.030 mi.)***	***E30***	***270***

Facility ID: 36-03-0882				
WESTERN HELICOPTER S	***1055 COMMERCE PARKWA***	***NNE 1/8 - 1/4 (0.167 mi.)***	***G37***	***327***
Facility ID: 36-91-4242 Cleanup Complete: 08/22/2013				
HEATING OIL TANK	1006 S COLLEGE ST	WNW 1/8 - 1/4 (0.220 mi.)	H38	335
Facility ID: 36-01-5065 Cleanup Complete: 02/21/2001				
HEATING OIL TANK	914 S COLLEGE ST	WNW 1/8 - 1/4 (0.227 mi.)	H39	335
Facility ID: 36-14-0810 Cleanup Complete: 02/02/2015				
HEATING OIL TANK	708 S CHEHALUM ST	NW 1/4 - 1/2 (0.277 mi.)	41	338
Facility ID: 36-94-5262 Cleanup Complete: 07/11/2001				
HEATING OIL TANK	1609 NE WATERFRONT S	W 1/4 - 1/2 (0.285 mi.)	42	338
Facility ID: 36-14-1060 Cleanup Complete: 02/25/2015				
HEATING OIL TANK	820 S COLLEGE ST	WNW 1/4 - 1/2 (0.292 mi.)	43	339
Facility ID: 36-94-5265				
HEATING OIL TANK	1415 E 7TH ST	NW 1/4 - 1/2 (0.302 mi.)	I44	339
Facility ID: 36-07-1879 Cleanup Complete: 08/27/2008				
SPORTSMAN AIRPARK	***504 S AIRPARK WAY***	***N 1/4 - 1/2 (0.305 mi.)***	***45***	***339***
Facility ID: 36-97-4149 Cleanup Complete: 01/25/2006				
HEATING OIL TANK	704 S MERIDIAN ST	WNW 1/4 - 1/2 (0.320 mi.)	46	347
Facility ID: 36-08-0987 Cleanup Complete: 10/02/2008				
HEATING OIL TANK	601 WYNOOSKI ST	NW 1/4 - 1/2 (0.332 mi.)	I47	348
Facility ID: 34-19-1118 Cleanup Complete: 08/17/2020				
HEATING OIL TANK	511 S COLUMBIA ST	NW 1/4 - 1/2 (0.390 mi.)	48	348
Facility ID: 36-07-0518 Cleanup Complete: 02/12/2008				
HEATING OIL TANK	620 E 6TH STREET	WNW 1/4 - 1/2 (0.464 mi.)	49	348
Facility ID: 36-91-4259 Facility ID: 36-98-4050				
HEATING OIL TANK	502 S EDWARDS STREET	NW 1/4 - 1/2 (0.481 mi.)	51	351
Facility ID: 36-04-0265 Cleanup Complete: 05/25/2004				
HEATING OIL TANK	308 E 8TH ST	WNW 1/4 - 1/2 (0.483 mi.)	52	351
Facility ID: 36-01-5852 Cleanup Complete: 06/18/2001				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's UST List on Disk.

A review of the UST list, as provided by EDR, and dated 07/01/2021 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG WASTEWATER T Facility ID: 8769	***2301 WYNOOSKI RD***	***SE 0 - 1/8 (0.030 mi.)***	***E30***	***270***
WESTERN HELICOPTER S Facility ID: 4112	***1055 COMMERCE PARKWA***	***NNE 1/8 - 1/4 (0.167 mi.)***	***G37***	***327***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG GARBAGE SERV Facility ID: 5431	2904 S WYNOOSKI RD	SE 0 - 1/8 (0.078 mi.)	F34	321

AST: The Aboveground Storage Tank database contains registered ASTs. The data comes from the list of ASTs reported to the Office of State Fire Marshal.

A review of the AST list, as provided by EDR, and dated 07/22/2021 has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF NEWBERG Facility Id: 24399	***2200 WYNOOSKI RD.***	***SSE 0 - 1/8 (0.017 mi.)***	***E28***	***260***
NEWBERG WASTEWATER T Facility Id: 17505	***2301 WYNOOSKI RD***	***SE 0 - 1/8 (0.030 mi.)***	***E30***	***270***
GLACIER NORTHWEST IN Facility Id: 121799	***2808 NE WYNOOSKI RD***	***ESE 0 - 1/8 (0.037 mi.)***	***31***	***281***
FIRST STUDENT, INC. Facility Id: 23894	***1000 COMMERCE PARKWA***	***NNE 1/8 - 1/4 (0.156 mi.)***	***G36***	***324***
WESTERN HELICOPTER S Facility Id: 8760	***1055 COMMERCE PARKWA***	***NNE 1/8 - 1/4 (0.167 mi.)***	***G37***	***327***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG TRANSFER STA Facility Id: 33842	***2904 WYNOOSKI RD.***	***SE 0 - 1/8 (0.078 mi.)***	***F32***	***308***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

SPILLS: Department of Environmental Spill Data.

A review of the SPILLS list, as provided by EDR, and dated 06/28/2021 has revealed that there is 1

SPILLS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported Incident Status: Referred/Closed Release Date: 06/10/2015 Facility ID: 2015-1214 Material: Unknown Quantity: Unknown	ROGER'S LANDING - WI	0 - 1/8 (0.000 mi.)	26	258

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE FIRST STUDENT BU EPA ID:: ORSTATE07880	1000 COMMERCE PKWY	NNE 1/8 - 1/4 (0.156 mi.)	G35	321
TYLER AUTOMOTIVE EPA ID:: ORSTATE07674	3215 S. WYNOOSKI RD	E 1/8 - 1/4 (0.247 mi.)	40	335

FTTS: FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, has revealed that there is 1 FTTS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO Database: FTTS INSP, Date of Government Version: 04/09/2009	***WYNOOSKI RD***	***0 - 1/8 (0.000 mi.)***	***B23***	***256***

HIST FTTS: A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

A review of the HIST FTTS list, as provided by EDR, has revealed that there is 1 HIST FTTS site

within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO	***WYNOOSKI RD***	***0 - 1/8 (0.000 mi.)***	***B23***	***256***
Database: HIST FTTS INSP, Date of Government Version: 10/19/2006				

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/05/2021 has revealed that there are 2 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLEGHENY INDUSTRIAL	***12TH & PACIFIC***	***0 - 1/8 (0.000 mi.)***	***20***	***255***
Registry ID:: 110007737459				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO	1302 WYNOOSKI STREET	0 - 1/8 (0.000 mi.)	C19	255

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 06/26/2021 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLEGHENY INDUSTRIAL	***12TH & PACIFIC***	***0 - 1/8 (0.000 mi.)***	***20***	***255***
Registry ID: 110007737459				

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 04/06/2018 has revealed that there are 2 MINES MRDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWBERG RIVER ROCK P		0 - 1/8 (0.000 mi.)	D24	257
NEWBERG RIVER ROCK		0 - 1/8 (0.000 mi.)	D27	259

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

A review of the RGA HWS list, as provided by EDR, has revealed that there is 1 RGA HWS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO	WYNOOSKI ST (FOOT OF	0 - 1/8 (0.000 mi.)	B17	254

RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

A review of the RGA LUST list, as provided by EDR, has revealed that there are 3 RGA LUST sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SMURFIT NEWSPRINT CO Facility ID: 36-90-4258	WYNOOSKI ST	0 - 1/8 (0.000 mi.)	B18	255
SMURFIT NEWBERG Facility ID: 36-93-4206	WYNOOSKI STREET	0 - 1/8 (0.000 mi.)	B21	256
SMURFIT NEWSPRINT Facility ID: 36-90-4258	WYNOOSKI ST	0 - 1/8 (0.000 mi.)	B22	256

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6784202.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

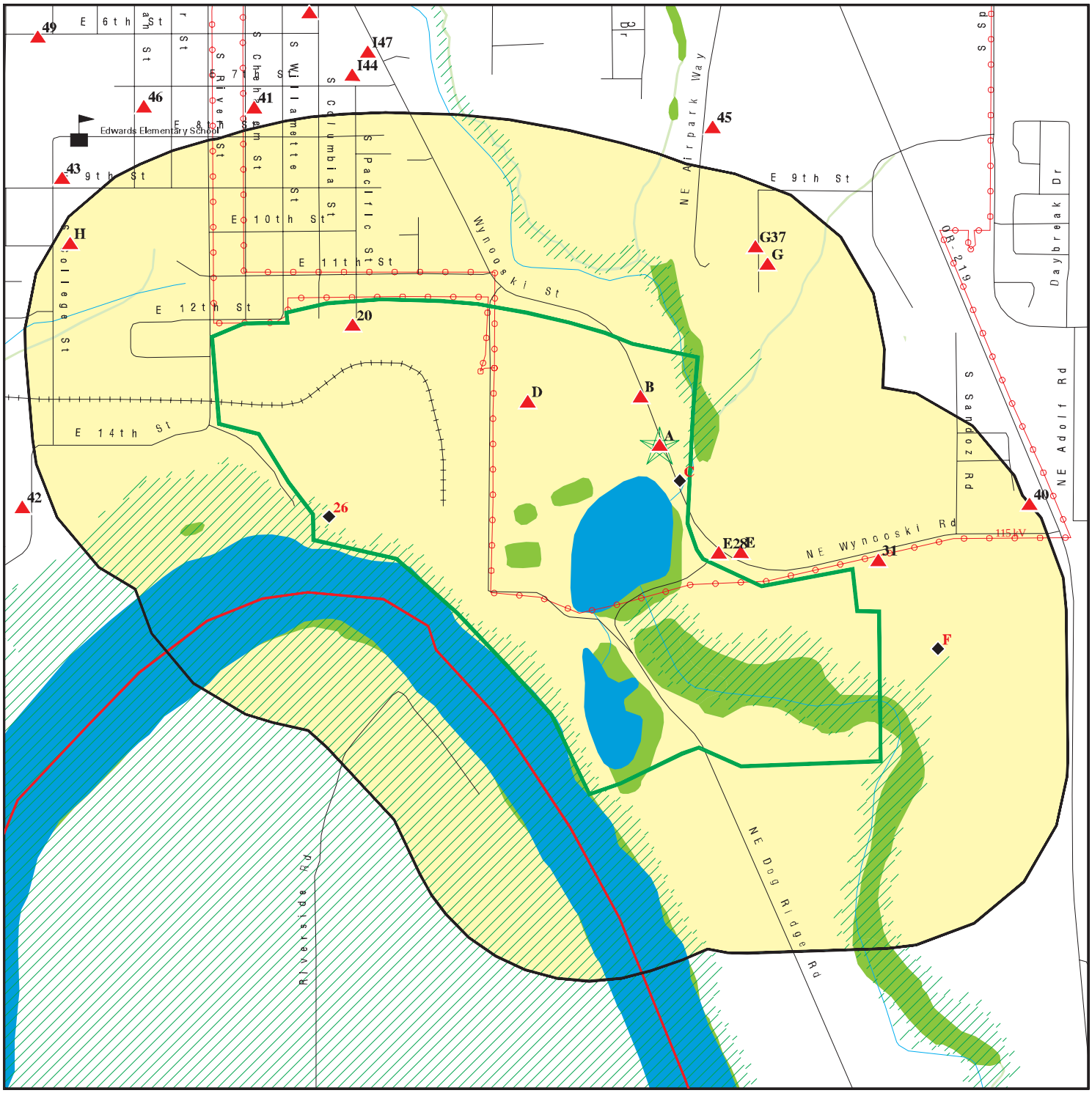
N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Former SP Fiber Technologies/Westrock Facility	CLIENT:	EnviroAnalytics Group, LLC
ADDRESS:	1301 Wynooski Road Newberg OR 97132	CONTACT:	Maureen Roth
		INQUIRY #:	6784202.2s
LAT/LONG:	45.28786 / 122.95618	DATE:	December 10, 2021 3:00 pm

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DETAIL MAP - 6784202.2S



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Former SP Fiber Technologies/Westrock Facility	CLIENT:	EnviroAnalytics Group, LLC
ADDRESS:	1301 Wynooski Road Newberg OR 97132	CONTACT:	Maureen Roth
		INQUIRY #:	6784202.2s
LAT/LONG:	45.28786 / 122.95618	DATE:	December 10, 2021 3:02 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250	1	2	0	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001	1	0	NR	NR	NR	NR	1
Lists of state- and tribal hazardous waste facilities								
CRL	1.000		0	0	0	0	NR	0
ECSI	1.000	1	0	0	0	8	NR	9
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		1	0	1	NR	NR	2
Lists of state and tribal leaking storage tanks								
LUST	0.500	1	1	3	11	NR	NR	16

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	2	1	NR	NR	NR	4
AST	0.250	1	4	2	NR	NR	NR	7
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001	1	0	NR	NR	NR	NR	1
SPILLS	0.001	4	1	NR	NR	NR	NR	5
OR HAZMAT	0.001	1	0	NR	NR	NR	NR	1
SPILLS 90	0.001	1	0	NR	NR	NR	NR	1
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	2	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001	3	0	NR	NR	NR	NR	3
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001	1	0	NR	NR	NR	NR	1
ICIS	0.001	1	0	NR	NR	NR	NR	1
FTTS	0.001		1	NR	NR	NR	NR	1
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		1	NR	NR	NR	NR	1
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001	1	0	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	2	NR	NR	NR	NR	3
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001	1	0	NR	NR	NR	NR	1
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Enforcement	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HSIS	0.001	1	0	NR	NR	NR	NR	1
MANIFEST	0.250	2	0	0	NR	NR	NR	2
NPDES	0.001	1	0	NR	NR	NR	NR	1
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		2	NR	NR	NR	NR	2

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001	2	1	NR	NR	NR	NR	3
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	2	3	NR	NR	NR	NR	5
- Totals --		30	23	8	12	8	0	81

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **SMURFIT NEWSPRINT CORP. - NEWBERG** **RGA HWS** **S115337957**
Target Property **1301 WYNOOSKI ST** **N/A**
NEWBERG, OR

Site 1 of 16 in cluster A

Actual: 143 ft.

RGA HWS:

2005	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST
2004	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST
2003	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST
2002	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST
2001	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST
2000	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST

A2 **SPILLS 90** **S112439391**
Target Property **1301 WYNOSKI STREET** **N/A**
NEWBERG, OR 97132

Site 2 of 16 in cluster A

Actual: 143 ft.

Spills:

Status:	NOT REPORTED
Contact Name:	Not reported
Contact Phone:	Not reported
Site ID:	2485
Secondary ID:	Not reported
Cross Street:	Not reported
County:	YAMHILL
Longitude:	-122960369
Latitude:	45287000
Elevation:	166

A3 **SP NEWSPRINT CO., LLC** **TSCA** **1015758765**
Target Property **1301 WYNOOSKI ST** **ICIS** **N/A**
NEWBERG, OR 97132 **US AIRS**
FINDS

Site 3 of 16 in cluster A **ECHO**

Actual: 143 ft.

TSCA:

No Details:	No Details

ICIS:

Enforcement Action ID:	OR000A0000410710614200031
FRS ID:	110000487072
Action Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC 410710614200031
Facility Name:	WESTROCK NORTHWEST, LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 97132-3380
Enforcement Action Type:	Administrative Order
Facility County:	YAMHILL
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 45.29003
Longitude in Decimal Degrees: -122.96073
Permit Type Desc: Not reported
Program System Acronym: OR0000004107106142
Facility NAICS Code: 322122
Tribal Land Code: Not reported

Enforcement Action ID: OR000A0000410710614200030
FRS ID: 110000487072
Action Name: SP FIBER TECHNOLOGIES NORTHWEST, LLC 410710614200030
Facility Name: WESTROCK NORTHWEST, LLC
Facility Address: 1301 WYNOOSKI ST
NEWBERG, OR 97132-3380
Enforcement Action Type: Notice of Violation
Facility County: YAMHILL
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 45.29003
Longitude in Decimal Degrees: -122.96073
Permit Type Desc: Not reported
Program System Acronym: OR0000004107106142
Facility NAICS Code: 322122
Tribal Land Code: Not reported

Enforcement Action ID: OR000A0000410710614200024
FRS ID: 110000487072
Action Name: SP FIBER TECHNOLOGIES NORTHWEST, LLC 410710614200024
Facility Name: WESTROCK NORTHWEST, LLC
Facility Address: 1301 WYNOOSKI ST
NEWBERG, OR 97132-3380
Enforcement Action Type: Administrative Order
Facility County: YAMHILL
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 45.29003
Longitude in Decimal Degrees: -122.96073
Permit Type Desc: Not reported
Program System Acronym: OR0000004107106142
Facility NAICS Code: 322122
Tribal Land Code: Not reported

Enforcement Action ID: OR000A0000410710614200023
FRS ID: 110000487072
Action Name: SP FIBER TECHNOLOGIES NORTHWEST, LLC 410710614200023
Facility Name: WESTROCK NORTHWEST, LLC
Facility Address: 1301 WYNOOSKI ST
NEWBERG, OR 97132-3380
Enforcement Action Type: Notice of Violation
Facility County: YAMHILL
Program System Acronym: AIR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.29003
Longitude in Decimal Degrees:	-122.96073
Permit Type Desc:	Not reported
Program System Acronym:	OR0000004107106142
Facility NAICS Code:	322122
Tribal Land Code:	Not reported

Enforcement Action ID:	OR000A0000410710614200022
FRS ID:	110000487072
Action Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC 410710614200022
Facility Name:	WESTROCK NORTHWEST, LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 97132-3380
Enforcement Action Type:	Notice of Violation
Facility County:	YAMHILL
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.29003
Longitude in Decimal Degrees:	-122.96073
Permit Type Desc:	Not reported
Program System Acronym:	OR0000004107106142
Facility NAICS Code:	322122
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00001073
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Noncompliance
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	State CWA Non Penalty AO
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCWAAO
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000920
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Noncompliance
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Enforcement Action Type:	State CWA Non Penalty AO
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCWAAO
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000776
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Letter Of Violation/Warning Letter
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000545
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Noncompl, Infml
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000457
FRS ID:	110000487072

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Noncompliance
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	State CWA Non Penalty AO
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCWAAO
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000363
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Violation, Formal
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	State CWA Non Penalty AO
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCWAAO
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Enforcement Action ID:	OR-N00000281
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Notice Of Noncompliance
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	State CWA Non Penalty AO
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCWAAO
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Enforcement Action ID:	OR-200128411
FRS ID:	110000487072
Action Name:	SP NEWSPRINT CO., LLC (Permit OR0000558) Letter Of Violation/Warning Letter 2015-WL-939
Facility Name:	SP NEWSPRINT CO., LLC
Facility Address:	1301 WYNOOSKI ST NEWBERG, OR 971323380
Enforcement Action Type:	Letter of Violation/ Warning Letter
Facility County:	YAMHILL
Program System Acronym:	NPDES
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	LOVWL
Facility SIC Code:	2621
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	45.289083
Longitude in Decimal Degrees:	-122.961083
Permit Type Desc:	NPDES Individual Permit
Program System Acronym:	OR0000558
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1015758765
Region Code:	10
County Code:	OR071
Programmatic ID:	AIR OR0000004107106142
Facility Registry ID:	110000487072
D and B Number:	Not reported
Facility Site Name:	WESTROCK NORTHWEST, LLC
Primary SIC Code:	Not reported
NAICS Code:	322122
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	POF
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	10
Programmatic ID:	AIR OR0000004107106142
Facility Registry ID:	110000487072
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-01-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	10
Programmatic ID:	AIR OR0000004107106142
Facility Registry ID:	110000487072
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	MACT Standards (40 CFR Part 63)
Activity Date:	2007-01-17 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2012-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2007-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2008-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2009-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2011-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2011-03-24 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2013-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2013-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2013-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-01-22 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-03-24 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1997-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1997-07-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1997-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-04-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2001-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2002-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-01-16 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2008-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2010-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2010-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2010-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-02-12 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-11-02 00:00:00
Activity Status Date: 1999-11-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-01-29 00:00:00
Activity Status Date: 1999-01-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-03-16 00:00:00
Activity Status Date: 1999-03-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1999-01-29 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1999-03-16 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2002-04-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-07-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-04-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-05-10 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-07 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-11-02 00:00:00
Activity Status Date: 1999-11-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-13 00:00:00
Activity Status Date: 2002-03-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-01-29 00:00:00
Activity Status Date: 1999-01-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-16 00:00:00
Activity Status Date: 1999-03-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-12-14 00:00:00
Activity Status Date: 2001-12-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-11 00:00:00
Activity Status Date: 2015-10-01 10:27:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-23 00:00:00
Activity Status Date: 2015-10-01 10:26:53
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-24 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: 2015-10-01 10:26:53
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-09 00:00:00
Activity Status Date: 2016-02-15 09:03:41
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-08-25 00:00:00
Activity Status Date: 2016-08-27 00:21:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-07-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-04-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-05-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-05 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-02-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-14 00:00:00

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-11-02 00:00:00
Activity Status Date: 1999-11-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-03-13 00:00:00
Activity Status Date: 2002-03-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-01-29 00:00:00
Activity Status Date: 1999-01-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-16 00:00:00
Activity Status Date: 1999-03-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

SP NEWSPRINT CO., LLC (Continued) **1015758765**

Activity Status: Achieved

Region Code: 10
Programmatic ID: AIR OR0000004107106142
Facility Registry ID: 110000487072
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-12-14 00:00:00
Activity Status Date: 2001-12-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:
Registry ID: 110000487072

Click Here:

Environmental Interest/Information System:
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
TSCA SUBMITTER
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
OSHA ESTABLISHMENT

SP NEWSPRINT CO., LLC (Continued) **1015758765**

RISK AND TECHNOLOGY REVIEW
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
AIR MAJOR
GREENHOUSE GAS REPORTER
HAZARDOUS AND CRITERIA AIR POLLUTANT MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015758765
Registry ID:	110000487072
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000487072
Name:	WESTROCK NORTHWEST MILL AND COGENERATION FACILITY
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132

A4 Target Property **SP NEWSPRINT CO.**
1301 WYNOOSKI ST
NEWBERG, OR 97132

LUST **U003181617**
UST **N/A**
AIRS
MANIFEST

Site 4 of 16 in cluster A

Actual: 143 ft.

LUST:

Name:	SMURFIT NEWSPRINT
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-90-4258
Cleanup Received Date:	10/29/1990
Cleanup Start Date:	10/02/1990
Cleanup Complete Date:	**11/16/1990**
Decode for Region:	**West Region**

Name:	SMURFIT NEWBERG
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-93-4206
Cleanup Received Date:	11/18/1993
Cleanup Start Date:	11/18/1993
Cleanup Complete Date:	**Not reported**
Decode for Region:	**West Region**

UST:

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City:	NEWBERG
Facility ID:	4628
Facility Telephone:	(503) 538-2151
Permittee Name:	STAN MILLER, SR PROCESS ENGINEER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Decommissioned Tanks: 3
Number of Tanks: 3

OR AIRS:

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	2.8
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	HFSPEU
Process Code:	P-1
SCC:	3-07-040-02
Emission Source Description:	Hog Fuel Storage Piles
Process Description:	Not reported
Throughput:	160,083.00
Process Unit:	TON
Throughput Type:	Wood/Bark

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.4
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	HFSPEU
Process Code:	P-1
SCC:	3-07-040-02
Emission Source Description:	Hog Fuel Storage Piles
Process Description:	Not reported
Throughput:	160,083.00
Process Unit:	TON
Throughput Type:	Wood/Bark

Name: SP FIBER TECHNOLOGIES NORTHWEST, LLC

SP NEWSPRINT CO. (Continued) **U003181617**

Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	4.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	HFSPEU
Process Code:	P-1
SCC:	3-07-040-02
Emission Source Description:	Hog Fuel Storage Piles
Process Description:	Not reported
Throughput:	160,083.00
Process Unit:	TON
Throughput Type:	Wood/Bark

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.3
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	KUEU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machine Cleaning
Process Description:	Not reported
Throughput:	1,263.00
Process Unit:	GAL
Throughput Type:	Solvent

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	6.0
Permit Number:	36-6142-TV-01

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MAEU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Manufacturing Aids
Process Description:	Not reported
Throughput:	6.00
Process Unit:	TON
Throughput Type:	VOCs

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611

SP NEWSPRINT CO. (Continued) **U003181617**

Poll:	NOX
Emission Source Code:	B10EU
Process Code:	P-4
SCC:	1-02-012-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	TON
Throughput Type:	Sludge
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B10EU
Process Code:	P-4
SCC:	1-02-012-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	TON
Throughput Type:	Sludge
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B10EU
Process Code:	P-4
SCC:	1-02-012-02
Emission Source Description:	Boiler 10

SP NEWSPRINT CO. (Continued) **U003181617**

Process Description:	Not reported
Throughput:	0.00
Process Unit:	TON
Throughput Type:	Sludge
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B10EU
Process Code:	P-4
SCC:	1-02-012-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	TON
Throughput Type:	Sludge
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B10EU
Process Code:	P-6
SCC:	1-02-012-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	TON
Throughput Type:	Tires

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B1112EU
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	100.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B1112EU
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	100.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.9

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B1112EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	103,718.00
Process Unit:	E6BTU
Throughput Type:	Heat Input

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.6
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B1112EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	103,718.00
Process Unit:	E6BTU
Throughput Type:	Heat Input

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B1112EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	103,718.00
Process Unit:	E6BTU
Throughput Type:	Heat Input
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.9
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	DIEU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Deinking Plant
Process Description:	Not reported
Throughput:	93,907.00
Process Unit:	TON
Throughput Type:	Pulp
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	5.6
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	DIEU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Deinking Plant
Process Description:	Not reported
Throughput:	93,907.00
Process Unit:	TON
Throughput Type:	Pulp
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	MHEU
Process Code:	P-1
SCC:	3-07-008-22
Emission Source Description:	Material Handling
Process Description:	Chip Receiving, Distribution, Screening
Throughput:	147,281.00
Process Unit:	TON
Throughput Type:	Chips
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	MHEU
Process Code:	P-1
SCC:	3-07-008-22

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Material Handling
Process Description:	Chip Receiving, Distribution, Screening
Throughput:	147,281.00
Process Unit:	TON
Throughput Type:	Chips
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	AIEU
Process Code:	P-1
SCC:	3-07-008-99
Emission Source Description:	Aggregate Insignificant
Process Description:	Not reported
Throughput:	1.00
Process Unit:	YR
Throughput Type:	Aggregate insignificant
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	AIEU
Process Code:	P-1
SCC:	3-07-008-99
Emission Source Description:	Aggregate Insignificant
Process Description:	Not reported
Throughput:	1.00
Process Unit:	YR
Throughput Type:	Aggregate insignificant

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	AIEU
Process Code:	P-1
SCC:	3-07-008-99
Emission Source Description:	Aggregate Insignificant
Process Description:	Not reported
Throughput:	1.00
Process Unit:	YR
Throughput Type:	Aggregate insignificant

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	397.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	602.0

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	53.3
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	48.3
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	465.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	16.2
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B10EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	2,007,361.00
Process Unit:	E3LB
Throughput Type:	Steam
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	PM5EU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	7,092.00
Process Unit:	TON
Throughput Type:	Paper-MDT

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.1

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	PM5EU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	7,092.00
Process Unit:	TON
Throughput Type:	Paper-MDT
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	CO
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.8
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	PM6EU
Process Code:	P-1
SCC:	3-07-012-20

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	225,064.00
Process Unit:	TON
Throughput Type:	Paper-MDT
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.9
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	PM6EU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	225,064.00
Process Unit:	TON
Throughput Type:	Paper-MDT
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	33.8
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	PM6EU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	225,064.00
Process Unit:	TON
Throughput Type:	Paper-MDT

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	SG1EU & SG2E
Process Code:	P-1
SCC:	1-02-006-01
Emission Source Description:	Steam Generating Units
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	21.3
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	TMP
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Thermal Mechanical Pulping
Process Description:	Not reported
Throughput:	152,102.00
Process Unit:	TON
Throughput Type:	Pulp

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.3

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	UPREU
Process Code:	P-1
SCC:	3-07-888-01
Emission Source Description:	Unpaved Roads
Process Description:	Not reported
Throughput:	232,156.00
Process Unit:	TON
Throughput Type:	Paper-MDT

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	UPREU
Process Code:	P-1
SCC:	3-07-888-01
Emission Source Description:	Unpaved Roads
Process Description:	Not reported
Throughput:	232,156.00
Process Unit:	TON
Throughput Type:	Paper-MDT

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	14.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	WWTEU
Process Code:	P-1
SCC:	5-03-007-02
Emission Source Description:	Wastewater Treatment
Process Description:	Not reported
Throughput:	0.00
Process Unit:	GAL
Throughput Type:	Wastewater
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MHEU
Process Code:	P-2
SCC:	3-07-040-03
Emission Source Description:	Material Handling
Process Description:	Hog Fuel Receiving & Distribution
Throughput:	205,902.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	MHEU
Process Code:	P-3
SCC:	3-07-040-03
Emission Source Description:	Material Handling
Process Description:	Hog Fuel Grinder
Throughput:	79,869.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.5
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	MHEU
Process Code:	P-3
SCC:	3-07-040-03
Emission Source Description:	Material Handling
Process Description:	Hog Fuel Grinder
Throughput:	79,869.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	2.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MHEU
Process Code:	P-3
SCC:	3-07-040-03

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Material Handling
Process Description:	Hog Fuel Grinder
Throughput:	79,869.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MHEU
Process Code:	P-4
SCC:	3-07-008-20
Emission Source Description:	Material Handling
Process Description:	Chip Washing
Throughput:	146,715.00
Process Unit:	TON
Throughput Type:	Chips
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MHEU
Process Code:	P-5
SCC:	3-07-005-01
Emission Source Description:	Material Handling
Process Description:	Creosoted Wood
Throughput:	34,963.00
Process Unit:	TON
Throughput Type:	Wood/Bark

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.1
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	PM5EU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Paper Machines
Process Description:	Not reported
Throughput:	7,092.00
Process Unit:	TON
Throughput Type:	Paper-MDT

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	MHEU
Process Code:	P-1
SCC:	3-07-008-22
Emission Source Description:	Material Handling
Process Description:	Chip Receiving, Distribution, Screening
Throughput:	147,281.00
Process Unit:	TON
Throughput Type:	Chips

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B10EU
Process Code:	P-2
SCC:	1-02-005-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3GAL
Throughput Type:	Distillate Oil
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.2
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B1112EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boilers 11 & 12
Process Description:	Not reported
Throughput:	103,718.00
Process Unit:	E6BTU
Throughput Type:	Heat Input

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.4
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	MHEU
Process Code:	P-2
SCC:	3-07-040-03
Emission Source Description:	Material Handling
Process Description:	Hog Fuel Receiving & Distribution
Throughput:	205,902.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.2
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	MHEU
Process Code:	P-2
SCC:	3-07-040-03
Emission Source Description:	Material Handling
Process Description:	Hog Fuel Receiving & Distribution
Throughput:	205,902.00
Process Unit:	TON
Throughput Type:	Wood/Bark
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	3.7
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B10EU
Process Code:	P-3
SCC:	1-02-006-01
Emission Source Description:	Boiler 10
Process Description:	Not reported
Throughput:	28.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.4
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	CHSEU
Process Code:	P-1
SCC:	3-07-008-08

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Chip Cyclones
Process Description:	Not reported
Throughput:	146,715.00
Process Unit:	TON
Throughput Type:	Chips
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.7
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	CHSEU
Process Code:	P-1
SCC:	3-07-008-08
Emission Source Description:	Chip Cyclones
Process Description:	Not reported
Throughput:	146,715.00
Process Unit:	TON
Throughput Type:	Chips
Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	CHSEU
Process Code:	P-1
SCC:	3-07-008-08
Emission Source Description:	Chip Cyclones
Process Description:	Not reported
Throughput:	146,715.00
Process Unit:	TON
Throughput Type:	Chips

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	CSPEU
Process Code:	P-1
SCC:	3-07-008-21
Emission Source Description:	Chips Storage Piles
Process Description:	Not reported
Throughput:	32,949.00
Process Unit:	TON
Throughput Type:	Chips

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	CSPEU
Process Code:	P-1
SCC:	3-07-008-21
Emission Source Description:	Chips Storage Piles
Process Description:	Not reported
Throughput:	32,949.00
Process Unit:	TON
Throughput Type:	Chips

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	3.0

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	CSPEU
Process Code:	P-1
SCC:	3-07-008-21
Emission Source Description:	Chips Storage Piles
Process Description:	Not reported
Throughput:	32,949.00
Process Unit:	TON
Throughput Type:	Chips

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	1.9
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	DIEU
Process Code:	P-1
SCC:	3-07-012-20
Emission Source Description:	Deinking Plant
Process Description:	Not reported
Throughput:	93,907.00
Process Unit:	TON
Throughput Type:	Pulp

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	B9EU
Process Code:	P-1
SCC:	1-02-009-02
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E3LB
Throughput Type:	Steam

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2014
Emission:	0.0
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	Not reported
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	B9EU
Process Code:	P-2
SCC:	1-02-006-01
Emission Source Description:	Boiler 9
Process Description:	Not reported
Throughput:	0.00
Process Unit:	E6FT3
Throughput Type:	Natural Gas

Name:	SP FIBER TECHNOLOGIES NORTHWEST, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2011
Emission:	Not reported
Permit Number:	36-6142-TV-01
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	Not reported
Poll:	Not reported
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	76.90000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	127184
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	41.40000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	1330207
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	90.65700000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	123386
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.390000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	121142
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.480000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	118741
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.069000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	117817
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	632.0620000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	110543
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	2.810000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	109
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	21.120000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	108952
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	25.20000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	108907
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	45.48911700000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	108883
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	34.00000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	108101
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	42.90000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	107062
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	115.0000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	107028
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.135041000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	106467
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	946.0000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	100425
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	10.10000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	100414
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.290502000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	139
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.047048000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	136
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.489000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	100027
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	18.75378000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	Not reported
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.622000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	92
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	237.7890210000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	91203
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.326000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	88062
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.068000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	87865
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	48.900000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	84742
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	389.0700000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	253.3870000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.385000000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	98862
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	27.09900800000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	98828
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.503006000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	93
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	3.230000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	92524
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	7.144802790000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	PM25-FIL
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	43.33000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10-FIL
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	51.91600000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM-PRI
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	41.50000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	79016
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	48.90000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	78875
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	118000.1740000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	7647010
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	129.1840000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	407.2330000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	192.0140000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	75150
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	801.0690000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	75092
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	284.0940000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	75070
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	26.70000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	75014
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	59.20000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	74873
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	22.20000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	74839
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.058014000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	7439921
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	94.60000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	71556
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	4885.237072000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	71432
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	49.74200000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	67663
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1248.210000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	67561
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.320000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	56235
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.920000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	542881
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	0.712000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	51285
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1932.105120000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	50000
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	4.440000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	253
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	4.527072000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	226
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	1.499008000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	199
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	222.0430130000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	198
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2009
Emission:	2.935037000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	125
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.004179000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	71432
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	7.940000000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	67663
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	49.39000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	67561
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	1.844730000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	50000
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.266000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	7647010
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.038000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	75150
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.155000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	75092
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	7.540000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	75070
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.010059000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	7439921
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	7.800000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	92524
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	1.833216000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	91203
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.004179000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	226
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.000516000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	199
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.000754000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	198
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.000166000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	139
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.002780000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	136
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.002196000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	125
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	1.442000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	123386
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	3.587000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	110543
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	1.092000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	108952
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	4.739755000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	108883
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.002381000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	106467
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	30.40648300000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	Not reported
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	0.000397000000000000

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	93
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	303.7668600000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	115.8449300000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	18.84600000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10-FIL
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	36.44600000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	PM-PRI
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	30.42400000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NOX
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	6.080000000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO., LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Year:	2008
Emission:	1.060015000000000000
Permit Number:	Not reported
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	36-6142
Issue Date:	Not reported
NAICS Code:	322122
Is Primary:	Not reported
SIC Code:	2621, 4961, 2611
Is Primary:	Not reported
Latitude:	45.2891
Longitude:	-122.9611
Poll:	98828
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	0.1
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PB
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	1802.5
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NO2
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	24.9
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	NH3
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	702.8

SP NEWSPRINT CO. (Continued) **U003181617**

Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	CO
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	63.5
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PM10
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	601.7
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	SO2
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	36.4
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	PT
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported
Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	16.2
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891

SP NEWSPRINT CO. (Continued) **U003181617**

Longitude:	-122.9611
Poll:	PM2.5
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

Name:	SP NEWSPRINT CO.
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Year:	2005
Emission:	237.3
Permit Number:	TV
Permit Type:	Not reported
Expiration Date:	Not reported
Source ID:	366142
Issue Date:	Not reported
NAICS Code:	0
Is Primary:	False
SIC Code:	0
Is Primary:	False
Latitude:	45.2891
Longitude:	-122.9611
Poll:	VOC
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

OR MANIFEST:

Manifest Year:	Manifest Year - 1999
EPA Id:	ORD009620378
Inactive Status:	Not reported
Organization Name:	Southeast Paper Mfg Co dba SP Newsprint
Contact Name:	Stan Miller
Contact Telephone Number:	Not reported
Mailing Address:	PO Box 70
Mailing City/State/Zip:	Newberg, OR 97132-0070

Manifest:

Name:	SMURFIT NEWPRINT CORP NEWBERG
Year :	1999
RCRA Id :	ORD009620378
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	04723
Ship Date :	03/25/1999
TSD :	UTD981552177

SP NEWSPRINT CO. (Continued) **U003181617**

WS Num: 10
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: D001
Waste Description: Lab Packs
Total Amt Of Waste Stream Generated in Reporting Yr 1: 0.004535
Total Amt Of Waste Stream Generated in Reporting Yr 2: 84

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 04723
Ship Date : 03/25/1999
TSD : UTD981552177
WS Num: 10
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: D002
Waste Description: Lab Packs
Total Amt Of Waste Stream Generated in Reporting Yr 1: 0.004535
Total Amt Of Waste Stream Generated in Reporting Yr 2: 84

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 04724
Ship Date : 03/25/1999
TSD : UTD991301748
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M013
EPA Waste Codes: D006
Waste Description: Nickel-Cadmium batteries
Total Amt Of Waste Stream Generated in Reporting Yr 1: 9
Total Amt Of Waste Stream Generated in Reporting Yr 2: 9

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 04725
Ship Date : 03/25/1999
TSD : FCCANADA
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Rpt Unit : Not reported
Off Mng : M013
EPA Waste Codes: D003
Waste Description: Lithium batteries
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 17010
Ship Date : 10/14/1999
TSD : UTD981552177
WS Num: 9
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M043
EPA Waste Codes: D007
Waste Description: Lab Pack - Paint chips.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 5
Total Amt Of Waste Stream Generated in Reporting Yr 2: 5

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 17010
Ship Date : 10/14/1999
TSD : UTD981552177
WS Num: 9
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M043
EPA Waste Codes: D008
Waste Description: Lab Pack - Paint chips.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 5
Total Amt Of Waste Stream Generated in Reporting Yr 2: 5

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24770
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006

SP NEWSPRINT CO. (Continued) **U003181617**

Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24770
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24770
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24770
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

SP NEWSPRINT CO. (Continued) **U003181617**

Click this hyperlink while viewing on your computer to access
481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24770
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 717 Premium gold. Parts washer solvent.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1753
Total Amt Of Waste Stream Generated in Reporting Yr 2: 97

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24799
Ship Date : 10/27/1999
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 717 Premium gold. Parts washer solvent.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1753
Total Amt Of Waste Stream Generated in Reporting Yr 2: 52

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24856
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24856
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24856
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24856
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 1808 immersion cleaner.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 109
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 24856
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 717 Premium gold. Parts washer solvent.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1753
Total Amt Of Waste Stream Generated in Reporting Yr 2: 36

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 24885
Ship Date : 01/20/1999
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 717 Premium gold. Parts washer solvent.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1753
Total Amt Of Waste Stream Generated in Reporting Yr 2: 55

Name: SP NEWSPRINT CO
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 3717
Ship Date : 12/07/1999
TSD : FCCANADA
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D001
Waste Description: Diesel and gasoline mix
Total Amt Of Waste Stream Generated in Reporting Yr 1: 183
Total Amt Of Waste Stream Generated in Reporting Yr 2: 183

Name: SP NEWSPRINT CO
Year : 1999
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 3717

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 12/07/1999
TSD : FCCANADA
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D018
Waste Description: Diesel and gasoline mix
Total Amt Of Waste Stream Generated in Reporting Yr 1: 183
Total Amt Of Waste Stream Generated in Reporting Yr 2: 183

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 010284
Ship Date : 08/28/1998
TSD : UTD991301748
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: D001
Waste Description: Out-of-date herbicides
Total Amt Of Waste Stream Generated in Reporting Yr 1: 219
Total Amt Of Waste Stream Generated in Reporting Yr 2: 219

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 010285
Ship Date : 08/28/1998
TSD : FCCANADA
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: D010
Waste Description: Out-of-date herbicide
Total Amt Of Waste Stream Generated in Reporting Yr 1: 173
Total Amt Of Waste Stream Generated in Reporting Yr 2: 177

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 010285

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 08/28/1998
TSD : FCCANADA
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: F027
Waste Description: Out-of-date herbicide
Total Amt Of Waste Stream Generated in Reporting Yr 1: 173
Total Amt Of Waste Stream Generated in Reporting Yr 2: 177

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 010285
Ship Date : 08/28/1998
TSD : FCCANADA
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M041
EPA Waste Codes: U240
Waste Description: Out-of-date herbicide
Total Amt Of Waste Stream Generated in Reporting Yr 1: 173
Total Amt Of Waste Stream Generated in Reporting Yr 2: 177

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 16231
Ship Date : 08/28/1998
TSD : TXD077603371
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M061
EPA Waste Codes: D001
Waste Description: Waste Paint Related Materials
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1482
Total Amt Of Waste Stream Generated in Reporting Yr 2: 407

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 16231
Ship Date : 08/28/1998
TSD : TXD077603371
WS Num: 5

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M061
EPA Waste Codes: D008
Waste Description: Waste Paint Related Materials
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1482
Total Amt Of Waste Stream Generated in Reporting Yr 2: 407

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 16231
Ship Date : 08/28/1998
TSD : TXD077603371
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M061
EPA Waste Codes: D035
Waste Description: Waste Paint Related Materials
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1482
Total Amt Of Waste Stream Generated in Reporting Yr 2: 407

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 16231
Ship Date : 08/28/1998
TSD : TXD077603371
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M061
EPA Waste Codes: F003
Waste Description: Waste Paint Related Materials
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1482
Total Amt Of Waste Stream Generated in Reporting Yr 2: 407

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

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481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen Parts Washer Solvet - Spent non-halogenated solvent from Mill
Total Amt Of Waste Stream Generated in Reporting Yr 1: 511
Total Amt Of Waste Stream Generated in Reporting Yr 2: 52

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen Parts Washer Solvet - Spent non-halogenated solvent from Mill
Total Amt Of Waste Stream Generated in Reporting Yr 1: 511
Total Amt Of Waste Stream Generated in Reporting Yr 2: 52

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety Kleen Parts Washer Solvet - Spent non-halogenated solvent from Mill

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 511
Total Amt Of Waste Stream Generated in Reporting Yr 2: 52

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 18283
Ship Date : 02/18/1998
TSD : ORD981766124
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety Kleen Parts Washer Solvet - Spent non-halogenated solvent from Mill
Total Amt Of Waste Stream Generated in Reporting Yr 1: 511
Total Amt Of Waste Stream Generated in Reporting Yr 2: 52

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 20972
Ship Date : 04/15/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 20972
Ship Date : 04/15/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 20972
Ship Date : 04/15/1998
TSD : ORD981766124
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen Parts Washer Solvet - Spent non-halogenated solvent from Mill
Total Amt Of Waste Stream Generated in Reporting Yr 1: 511
Total Amt Of Waste Stream Generated in Reporting Yr 2: 49

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1998
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 20972
Ship Date : 04/15/1998
TSD : ORD981766124
WS Num: 7
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen Cleaning Liquid (Monoethanolamine) Solvent from Auto Shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 118
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 49

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 49

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992
Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 49

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 08992

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 09/03/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 49

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

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Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 82

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 82

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 4

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 82

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 09902
Ship Date : 05/14/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 82

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 12311
Ship Date : 03/19/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 12311
Ship Date : 03/19/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop
Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 12311
Ship Date : 03/19/1997
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent, spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 769
Total Amt Of Waste Stream Generated in Reporting Yr 2: 85

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1997
RCRA Id : ORD009620378
Inactive : Not reported
Status: Large quantity generator
Manifest : 12311
Ship Date : 03/19/1997
TSD : ORD981766124
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen cleaning liquid (monoethanolamine) solvent from auto shop

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 149
Total Amt Of Waste Stream Generated in Reporting Yr 2: 21

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 001781
Ship Date : 03/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 225

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 001781
Ship Date : 03/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 225

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 001781
Ship Date : 03/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 225

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 001781
Ship Date : 03/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 225

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 004373
Ship Date : 01/24/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 234

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 004373
Ship Date : 01/24/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 234

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 004373
Ship Date : 01/24/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 234

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 004373
Ship Date : 01/24/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 234

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 036139
Ship Date : 10/29/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 216

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 036139
Ship Date : 10/29/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 216

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481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 036139
Ship Date : 10/29/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 216

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 036139
Ship Date : 10/29/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 216

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 045956
Ship Date : 09/04/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 204

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 045956
Ship Date : 09/04/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 204

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 045956
Ship Date : 09/04/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 204

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 045956

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 09/04/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 204

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 051233
Ship Date : 12/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 222

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 051233
Ship Date : 12/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 222

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 051233
Ship Date : 12/20/1996
TSD : ORD981766124
WS Num: 1

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 222

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1996
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 051233
Ship Date : 12/20/1996
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D040
Waste Description: Safety-Kleen parts washer solvent. Spent nonhalogenated solvent from mill p
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1948
Total Amt Of Waste Stream Generated in Reporting Yr 2: 222

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00004
Ship Date : 03/29/1995
TSD : WAD020257945
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M078
EPA Waste Codes: D002
Waste Description: Spent alkaline cleaner - used to clean paper machine parts in a soak tank.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 102
Total Amt Of Waste Stream Generated in Reporting Yr 2: 102

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00004
Ship Date : 03/29/1995
TSD : WAD020257945
WS Num: 5

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M078
EPA Waste Codes: D007
Waste Description: Spent alkaline cleaner - used to clean paper machine parts in a soak tank.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 102
Total Amt Of Waste Stream Generated in Reporting Yr 2: 102

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00004
Ship Date : 03/29/1995
TSD : WAD020257945
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M078
EPA Waste Codes: D008
Waste Description: Spent alkaline cleaner - used to clean paper machine parts in a soak tank.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 102
Total Amt Of Waste Stream Generated in Reporting Yr 2: 102

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 13185
Ship Date : 07/17/1995
TSD : WAD000812909
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D001
Waste Description: Waste paint related material
Total Amt Of Waste Stream Generated in Reporting Yr 1: 248
Total Amt Of Waste Stream Generated in Reporting Yr 2: 248

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 16863
Ship Date : 02/23/1995
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen Premium Solvent - Spent nonhalogenated solvent from mill part
Total Amt Of Waste Stream Generated in Reporting Yr 1: 3267
Total Amt Of Waste Stream Generated in Reporting Yr 2: 240

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 27170
Ship Date : 07/11/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 27170
Ship Date : 07/11/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D007
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 27170
Ship Date : 07/11/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 27170
Ship Date : 07/11/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 27170
Ship Date : 07/11/1995
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen Premium Solvent - Spent nonhalogenated solvent from mill part
Total Amt Of Waste Stream Generated in Reporting Yr 1: 3267
Total Amt Of Waste Stream Generated in Reporting Yr 2: 155

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481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 30649
Ship Date : 05/17/1995
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen Premium Solvent - Spent nonhalogenated solvent from mill part

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 3267
Total Amt Of Waste Stream Generated in Reporting Yr 2: 222

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35361
Ship Date : 11/30/1995
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen Premium Solvent - Spent nonhalogenated solvent from mill part
Total Amt Of Waste Stream Generated in Reporting Yr 1: 3267
Total Amt Of Waste Stream Generated in Reporting Yr 2: 235

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35704
Ship Date : 11/02/1995
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen Premium Solvent - Spent nonhalogenated solvent from mill part
Total Amt Of Waste Stream Generated in Reporting Yr 1: 3267
Total Amt Of Waste Stream Generated in Reporting Yr 2: 283

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35704
Ship Date : 11/03/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35704
Ship Date : 11/03/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D007
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35704
Ship Date : 11/03/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 35704
Ship Date : 11/03/1995
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen 699 Spet nonhalogenated solvent from auto shop.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 148
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 37727
Ship Date : 01/25/1995
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D001
Waste Description: Safety-Kleen 105 - Spent nonhalogenated solvent from mill part washers.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 127
Total Amt Of Waste Stream Generated in Reporting Yr 2: 127

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 37727
Ship Date : 01/25/1995
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen 105 - Spent nonhalogenated solvent from mill part washers.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 127
Total Amt Of Waste Stream Generated in Reporting Yr 2: 127

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1995
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 37727
Ship Date : 01/25/1995
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen 105 - Spent nonhalogenated solvent from mill part washers.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 127
Total Amt Of Waste Stream Generated in Reporting Yr 2: 127

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 070057
Ship Date : 02/01/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D001
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 133

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 070057
Ship Date : 02/01/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U002
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 133

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 070057
Ship Date : 02/01/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U159
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 133

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 070057

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 02/01/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U220
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 133

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 077757
Ship Date : 05/03/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D001
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 152

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 077757
Ship Date : 05/03/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U002
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 152

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 077757
Ship Date : 05/03/1994
TSD : WAD092300250
WS Num: 8

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U159
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 152

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 077757
Ship Date : 05/03/1994
TSD : WAD092300250
WS Num: 8
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: U220
Waste Description: Surplus paints and solvents from painting the mill. Hazardous due to ignita
Total Amt Of Waste Stream Generated in Reporting Yr 1: 284
Total Amt Of Waste Stream Generated in Reporting Yr 2: 152

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D001
Waste Description: Safety-Kleen 105 - Spent Nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 967
Total Amt Of Waste Stream Generated in Reporting Yr 2: 134

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen - Spent nonhalogenated solvent from mill part washers, hazardo
Total Amt Of Waste Stream Generated in Reporting Yr 1: 192
Total Amt Of Waste Stream Generated in Reporting Yr 2: 40

Click this hyperlink while viewing on your computer to access
481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen 105 - Spent Nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 967
Total Amt Of Waste Stream Generated in Reporting Yr 2: 134

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety-Kleen 699 - Spent Nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 108
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D007
Waste Description: Safety-Kleen 699 - Spent Nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 108
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen - Spent nonhalogenated solvent from mill part washers, hazardo
Total Amt Of Waste Stream Generated in Reporting Yr 1: 192
Total Amt Of Waste Stream Generated in Reporting Yr 2: 40

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen 105 - Spent Nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 967
Total Amt Of Waste Stream Generated in Reporting Yr 2: 134

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety-Kleen 699 - Spent Nonhalogenated solvent from mill auto shop. Hazard

SP NEWSPRINT CO. (Continued) **U003181617**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 108
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen - Spent nonhalogenated solvent from mill part washers, hazardo
Total Amt Of Waste Stream Generated in Reporting Yr 1: 192
Total Amt Of Waste Stream Generated in Reporting Yr 2: 40

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen 105 - Spent Nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 967
Total Amt Of Waste Stream Generated in Reporting Yr 2: 134

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety-Kleen 699 - Spent Nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 108
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1994
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 08045
Ship Date : 10/04/1994
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety-Kleen - Spent nonhalogenated solvent from mill part washers, hazardo
Total Amt Of Waste Stream Generated in Reporting Yr 1: 192
Total Amt Of Waste Stream Generated in Reporting Yr 2: 40

Manifest:
Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D001
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 227

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

SP NEWSPRINT CO. (Continued) **U003181617**

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D007
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 227

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378

SP NEWSPRINT CO. (Continued) **U003181617**

Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 00633
Ship Date : 07/07/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 227

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01779
Ship Date : 01/18/1993
TSD : WAD981769110
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M061
EPA Waste Codes: LABP
Waste Description: Surplus out of date and contaminated chemicals from the mill site contains
Total Amt Of Waste Stream Generated in Reporting Yr 1: 102
Total Amt Of Waste Stream Generated in Reporting Yr 2: 19

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01872

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 04/23/1993
TSD : WAD092300250
WS Num: 6
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M132
EPA Waste Codes: LABP
Waste Description: Surplus out of date and contaminated chemicals from the mill site contains
Total Amt Of Waste Stream Generated in Reporting Yr 1: 102
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D001
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 221

Click this hyperlink while viewing on your computer to access
481 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522

SP NEWSPRINT CO. (Continued) **U003181617**

Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D007
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 221

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 2

SP NEWSPRINT CO. (Continued) **U003181617**

Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 09522
Ship Date : 10/06/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 221

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 13433
Ship Date : 04/02/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D001
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 230

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 13433
Ship Date : 04/02/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported

SP NEWSPRINT CO. (Continued) **U003181617**

Off Mng : M021
EPA Waste Codes: D018
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 230

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 13433
Ship Date : 04/02/1993
TSD : ORD981766124
WS Num: 1
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: Safety Kleen 105 - Spent nonhalogenated solvent from mill part washers, haz
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2708
Total Amt Of Waste Stream Generated in Reporting Yr 2: 230

Name: SMURFIT NEWPRINT CORP NEWBERG
Year : 1993
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 14103
Ship Date : 12/30/1993
TSD : ORD981766124
WS Num: 2
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: Safety Kleen 699 - Spent nonhalogenated solvent from mill auto shop. Hazard
Total Amt Of Waste Stream Generated in Reporting Yr 1: 205
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22

A5 **ERNS 2005748645**
Target Property **1301 WYNOOSKI STREET** **N/A**
NEWBERG, OR

Site 5 of 16 in cluster A

Actual: 143 ft.

Incident Commons:
NRC Report #: 748645
Description of Incident: A TANK OVERFLOWED DUE TO UNKNOWN CAUSES CAUSING A RELEASE OF SODIUM HYDROXIDE SOLUTION INTO THE FACILITY'S PROCESS WATER
Type of Incident: STORAGE TANK
Incident Cause: UNKNOWN
Incident Date Time: 2005-01-29 15:15:00
Incident DTG: OCCURRED
Incident Location: Not reported

(Continued) **2005748645**

Loaction Address:	1301 WYNOOSKI STREET
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	NEWBERG
Location State:	OR
Location County:	YAMHILL
Location Zip:	Not reported
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	Not reported

Incidents:

NRC Report #:	748645
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	N
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	Y
DOT Crossing Number:	Not reported
Brake Failure:	N
Description of Tank:	STORAGE TANK

(Continued) **2005748645**

Tank Above Ground:	ABOVE
Transportable Container:	N
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	6000
Capacity of Tank Units:	GALLON(S)
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	N
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	Not reported
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	748645
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported

(Continued) **2005748645**

Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	WATER TREATMENT SYSTEM>WILLAMETTE RIVER
Body of Water:	WATER TREATMENT SYSTEM
Tributary of:	WILLLAMETTE RIVER
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	MATERIAL BEING NEUTRALIZED
State Agency on Scene:	Not reported
State Agency Report Number:	2005-0220
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	50
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	N
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported

(Continued) **2005748645**

Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	NONE.
State Agency Notified:	OR SERC
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	UNK

Calls:

NRC Report #:	748645
Site ID:	2005748645
Date Time Received:	2005-01-29 19:59:05
Date Time Complete:	2005-01-29 20:06:01
Call Type:	INC
Responsible Company:	SP NEWSPRINT
Responsible Org Type:	PRIVATE ENTERPRISE
Responsible City:	NEWBERG
Responsible State:	OR
Responsible Zip:	Not reported
On Behalf:	N
Source:	TELEPHONE

Material Involved:

NRC Report #:	748645
Chris Code:	NCC
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	19080
Unit of Measure:	POUND(S)
Name of Material:	SODIUM HYDROXIDE SOLUTION
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

A6 **SMURFIT NEWSPRINT CORPORATION NEWBERG MILL** **TSCA** **1016951188**
Target **1301 WYNOOSKI STREET** **N/A**
Property **NEWBERG, OR 97132**

Site 6 of 16 in cluster A

Actual:
143 ft.

TSCA:

Number Id Code:	CASRN
Activity:	M
Imported Lb:	0
Imported Never At Site:	Not reported
Volume Used:	72000000
Volume Exported:	29000000
Num Workers:	100 - 499

SMURFIT NEWSPRINT CORPORATION NEWBERG MILL (Continued) **1016951188**

Max Concentration:	90% +
Chemical Recycled:	YES
Submitter First Name:	Sean
Submitter Middle Initial:	R
Submitter Last Name:	Chase
Submitter Suffix:	None
Submitter Title:	Mr.
Chemical Id Number:	68477-27-0
Stripped Chemical Id Number:	68477270
Chemical Name:	Waste solids, pulp mill
Dom Mfg Lb:	101000000
Physical Forms:	OtherSolid
Past Prod Volume:	90000000

A7 **SPILLS** **S118182079**
Target Property **1301 WYNOOSKI ST** **N/A**
NEWBERG, OR 97132

Site 7 of 16 in cluster A

Actual: 143 ft.

OR SPILLS:

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Facility ID:	1995-2425
Incident Status:	Archive
Material:	Not reported
Quantity:	Not reported
Unit of Measure:	Not reported
Release Date:	11/30/1995
Description:	Overfill caused 150 gallons of polymer to release.
Lat/Long:	45.3295 / -122.981
Source:	AST
Media:	Non-saturated soil, rock, etc.
Responsible Company:	Smurfit Newberg
Responsible Address:	Not reported
Responsible City,St,Zip:	Not reported

A8 **WESTROCK NW LLC** **ECSI** **S110290074**
Target Property **1301 WYNOOSKI RD** **AST** **N/A**
NEWBERG, OR 97132 **SPILLS**
OR HAZMAT
HSIS

Site 8 of 16 in cluster A

Actual: 143 ft.

ECSI:

Name:	SMURFIT NEWSPRINT CORP. - NEWBERG
Address:	1301 WYNOOSKI ST.
City,State,Zip:	NEWBERG, OR 97132
State ID Number:	338
Brown ID:	0
Study Area:	False
Region ID:	3
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	1090
Further Action:	258

WESTROCK NW LLC (Continued) **S110290074**

Lat/Long (dms): 45 17 20.80 / -122 57 40.00
County Code: 36.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 3.00
Township Zone: S
Range Coord: 2.00
Range Zone: W
Section Coord: 29
Qtr Section: Not reported
Tax Lots: 800, 1100
Size: 4 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 06/09/2006
Created Date: 09/09/1988
Decode For RegionID: Western Region
Decode For BrownID: Not reported
Decode For Furtheract: Medium
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: SP Newsprint Co., LLC
Alias Name: Jefferson Smurfit Corp.
Alias Name: Publishers Paper Co.
Alias Name: Spaulding Pulp and Paper Co.

Hazardous Release:
Substance ID.: 121981
Haz Release ID: 380173
Qty Released: unknown
Date Released: Not reported
Update Date: 09/28/1995
Update By: Not reported
Substance Code: ECD168
Substance Name: BUNKER - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8527
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8527
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 343740
Feature Id: Not reported
Hazard Release Id: 380173
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported

WESTROCK NW LLC (Continued) **S110290074**

End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3,600 ppm
Last Update By: kpd
Update Date: 01/15/1997
Decode for MediumID: Soil

Substance ID.: 121987
Haz Release ID: 380174
Qty Released: unknown
Date Released: Not reported
Update Date: 09/28/1995
Update By: Not reported
Substance Code: ECD186
Substance Name: KEROSENE
Substance Abbrev.: Not reported
Sampling Result ID: 343738
Feature Id: Not reported
Hazard Release Id: 380174
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: True
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: free product
Last Update By: acv
Update Date: 09/28/1995
Decode for MediumID: Groundwater

Substance ID.: 121639
Haz Release ID: 383813
Qty Released: see comment
Date Released: 5-13-81
Update Date: 09/09/1988
Update By: Not reported
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB

WESTROCK NW LLC (Continued) **S110290074**

Comment ID: 303933
Release Code: Media Contamination Footnote
Release Comments: samples from sludge in creek
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 346923
Feature Id: Not reported
Hazard Release Id: 383813
Medium: 700
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 100 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Other

Substance ID.: 121668
Haz Release ID: 383814
Qty Released: see comment
Date Released: 5-13-81
Update Date: 09/09/1988
Update By: Not reported
Substance Code: 7440-43-9
Substance Name: CADMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319291
Sub Alias Name: CD
Comment ID: 303934
Release Code: Media Contamination Footnote
Release Comments: samples from sludge in creek
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 346245
Feature Id: Not reported
Hazard Release Id: 383814
Medium: 700
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False

WESTROCK NW LLC (Continued) **S110290074**

Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.62 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Other

Substance ID.: 121671
Haz Release ID: 383815
Qty Released: see comment
Date Released: 5-13-81
Update Date: 09/09/1988
Update By: Not reported
Substance Code: 7440-47-3
Substance Name: CHROMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318145
Sub Alias Name: CHROMIUM, INORGANIC
Substance Alias ID: 319294
Sub Alias Name: CHROMIUM, TOTAL
Comment ID: 303935
Release Code: Media Contamination Footnote
Release Comments: samples from sludge in creek
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 345134
Feature Id: Not reported
Hazard Release Id: 383815
Medium: 700
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 19 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Other

Narrative:
NARR ID: 5727238

WESTROCK NW LLC (Continued) **S110290074**

NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 06/09/2006
Decode for NarcdID: Contamination
NARR Comments: (9/28/95 ACV/SAS) A 60 million gallon sludge release to Hess Creek occurred in May 1981. Some heavy metals were detected in the sludge in the creek. Several small oil spills, two bunker 'C' fuel oil spills, and a small spill of caustic alkali cleaning chemical have also occurred at this site.

NARR ID: 5727239
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: 1) Water Quality Source Files. 2) Inspection reports. 3) Correspondence FROM owner and/or operator. 4) Notice of Violation letter. 5) Complaint form. 6) Laboratory results. 7) Pictures.

NARR ID: 5727240
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Cadmium, lead, chromium, Bunker C oil, diesel fuel, kerosene

NARR ID: 5727241
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 02/21/2003
Decode for NarcdID: Manner of Release
NARR Comments: Release to Hess Creek from pond failure (5/13/81); releases of Bunker C fuel from above-ground storage tanks (1983 and 1989); release of kerosene from AST (1994).

NARR ID: 5727242
NARR Code: Media Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Media Contamination
NARR Comments: 60 million gallons of sludge released. Sludge in adjacent creek sampled.

NARR ID: 5748199
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 06/09/2006

WESTROCK NW LLC (Continued) **S110290074**

Updated By: GWISTAR
Updated Date: 06/09/2006
Decode for NarcdID: Remedial Action
NARR Comments: (9/28/95 SCV/SAS) Smurfit conducted an investigation near the AST containment area in 1993 and 1994. Approximately 1,750 cubic yards of impacted soil were removed and thermally treated off-site. (Note: the containment area did not have any liner other than wood chips over native soil). A kerosene release from an AST near the paper machine building was reported in late 1994. Monitoring wells have been installed but groundwater quality data is not yet available. A recovery well and VES system were also installed in 1995. No details yet provided. A groundwater assessment is needed, in conjunction with a DEQ Water Quality NPDES Preliminary Assessment (due 11/96). Further state action is a medium priority.

NARR ID: 5727243
NARR Code: Health Threats
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Health Threats
NARR Comments: Bunker C, diesel, and kerosene releases at several locations on the site raise concern for groundwater quality.

NARR ID: 5727244
NARR Code: Containment Units
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Containment Units
NARR Comments: pond

Administrative Action:
Action ID: 9445
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Responsible party notified re 11/88 Inventory listing
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Headquarters
Complete Date: 02/11/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action

WESTROCK NW LLC (Continued) **S110290074**

Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Action ID: 9506
Region: Western Region
Complete Date: 09/28/1995
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/09/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: Medium
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Western Region
Complete Date: 09/28/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Western Region
Complete Date: 09/28/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False

WESTROCK NW LLC (Continued) **S110290074**

Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 131762
Operation Status: Active
Common Name: Smurfit Newsprint Corp.
Yrs of Operation: 1927 to present
Comments: Paper mill
Updated Date: 07/09/1996
Updated By: kpd
Decode for OpstatID: Active
Operations SIC Id: 195293
SIC Code: 2621
Created By: Not reported
Created Date: 12/17/2002

AST:
Name: WESTROCK NW LLC
Address: 1301 WYNOOSKI RD
City,State,Zip: NEWBERG, OR 97132
Facility Id: 6471
Hazardous Substance: DIESEL FUEL
Reporting Quantities: Not reported
Quantity Units: Not reported
Physical State: Not reported
Storage 1: Above ground tank
County: YAMHILL
Owner-Operator Name: Mitch
Direct Site Phone: 5037931721
Report Class: Annual
Report Year: 2019
Is Poisonous Gas: No
Is Poisonous Material: No
Is Biological Hazard: No
Is Radioactive Material: No
Is Explosive: No
Status: Not reported
Nature of Business: NEWSPRINT MANUFACTURER
NAICS: 322122
Maximum Daily Amount Code: 11
Maximum Daily Amount Code Range: 500-999
Maximum Daily Amount Unit: gal
Is Solid State: No
Is Liquid State: Yes
Is Gas State: No
Is Combustible Dust: No
Is Fire Hazard: No
Is Sudden Release of Pressure Hazard: No
Is Reactive Hazard: No
Is Immediate Hazard: No
Is Delayed Hazard: No
Is Corrosive to Metal: No
Is Flammable: Yes
Is Gas under Pressure: No
Is Physical HNOC: No

WESTROCK NW LLC (Continued) **S110290074**

Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

Name:	WESTROCK NW LLC
Address:	1301 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	6471
Hazardous Substance:	PROPANE
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Mitch
Direct Site Phone:	5037931721
Report Class:	Annual
Report Year:	2019
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	NEWSPRINT MANUFACTURER
NAICS:	322122
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	No
Is Gas State:	Yes
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	No
Is Physical HNOC:	No

WESTROCK NW LLC (Continued) **S110290074**

Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

OR SPILLS:

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Facility ID:	2005-0220
Incident Status:	Archive
Material:	Process water, etc.
Quantity:	1500
Unit of Measure:	Gallons
Release Date:	01/29/2005
Description:	Spill of 50% sodium hydroxide solution during transfer from bulk storage tank to day tank at the SP Newsprint plant, spill has been contained in a facility wastewater treatment system, will be neutralized before discharge to Willamette River, this wastewater system discharges under a DEQ permit but Gary Shaw did not know who the DEQ project manager was, Stan Miller (503-537-6278) is the company contact for the DEQ WQ permit, no untreated discharge to the environment according to Shaw.
Lat/Long:	45.2891 / -122.9611
Source:	Industrial Plant
Media:	Suspected, unknown, or no discharge
Responsible Company:	Southeast Paper Mfg Co dba SP Newsprint
Responsible Address:	PO Box 70
Responsible City,St,Zip:	Newberg, OR 97132-0070

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Facility ID:	2005-2608
Incident Status:	Archive
Material:	Diesel fuel
Quantity:	40
Unit of Measure:	Gallons
Release Date:	11/07/2005
Description:	Treeline Transport Truck pulled into SP Newsprint to make a delivery. He was leaking fuel and dropped about 10 gallons in the parking lot and lost a total of about 40 gallons but doesn't know where. Hogfuel absorbent has been applied. Jim Hilton (SP Newsprint Emergency

WESTROCK NW LLC (Continued) **S110290074**

Coordinator) - 503-537-6272 is on-scene.
Lat/Long: 45.2916 / -122.9612
Source: Motor Vehicle - Commercial
Media: On pavement/asphalt - not direct on soil
Responsible Company: Treeline Transport, Inc.
Responsible Address: 6801 Turner Rd SE
Responsible City,St,Zip: Turner, OR 97392-9741

Name: Not reported
Address: 1301 WYNOOSKI ST
City,State,Zip: NEWBERG, OR 97132-3380
Facility ID: 2005-2608
Incident Status: Archive
Material: Diesel fuel
Quantity: 40
Unit of Measure: Gallons
Release Date: 11/07/2005
Description: Treeline Transport Truck pulled into SP Newsprint to make a delivery. He was leaking fuel and dropped about 10 gallons in the parking lot and lost a total of about 40 gallons but doesn't know where. Hogfuel absorbent has been applied. Jim Hilton (SP Newsprint Emergency Coordinator) - 503-537-6272 is on-scene.
Lat/Long: 45.2916 / -122.9612
Source: Motor Vehicle - Commercial
Media: Coding for the PS/BC Oil Spill Database
Responsible Company: Treeline Transport, Inc.
Responsible Address: 6801 Turner Rd SE
Responsible City,St,Zip: Turner, OR 97392-9741

HAZMAT:

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Responsble Party:	Not reported
RP Company:	Not reported
RP Address:	Not reported
RP City,St,Zip:	Not reported
Facility ID:	1303693
OERS Number:	Not reported
Dept Rsp:	Not reported
Narrative:	Not reported
Property Loss:	0
Amount Released:	Not reported
Service County:	Not reported
Service Name:	NEWBERG FD
Incident Type:	Not reported
Civilian Casualty Activity:	Not reported
Chemical Name:	Not reported
Hazmat Area Affected:	Not reported
Hazmat Area Evacuated:	Not reported
Hazmat Container Type:	Not reported
Hazmat Physical State Released:	Not reported
Hazmat Released Into:	Not reported
Hazmat Released Volume Units:	Not reported
Hazmat Released Weight Units:	Not reported
Hazmat Released From:	Not reported
Hazmat Area Affected Measurement:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Hazmat No. of People Evacuated:	Not reported
Hazmat No of Buildings Evacuated:	Not reported
Incident Content Loss:	0
Civilian Casualty Patient Disposition:	Not reported
Incident Mixed Use Property:	Not reported
Location Type:	Street address
Incident Aid Given Or Received:	None
Incident AID Received from FDID:	Not reported
Incident Aided Department FDID:	Not reported
Person Involved Business Name:	Not reported
Person Involved First Name:	Not reported
Person Involved Last Name:	Not reported
Person Involved Type:	Not reported
Person Involved Phone Number:	Not reported
Person Involved Primary Language:	Not reported
Hazmat Evacuated Measurement:	Not reported
Hazmat Story of Release:	Not reported
Remark:	E20, M20 were dispatched on an odor check. A passing motorist stated that he could smell natural gas as he drove by the area. NFD investigated but could find no odor of natural gas. All units cleared.
	Not reported
Incident District:	Not reported
Date Added:	Not reported
Unit:	Not reported
Agency Phone:	Not reported
Osfm Incident Report Number:	1303693
Dept. Responding:	Not reported
Person Making Report:	Not reported
Title:	Not reported
Agency:	Not reported
Phone:	Not reported
Date Of Incident:	11/14/2013
Call Time:	9:25
In Route:	Not reported
Arrival:	Not reported
Depart Scene:	Not reported
Back In Quarters:	Not reported
In Service:	Not reported
Dist Of Incident:	Not reported
Were State Resources Used?:	Not reported
Was Oers Notified?:	Not reported
Oers Number:	Not reported
Team Number:	Not reported
Agency Report Number:	Not reported
Unit:	Not reported
Highway:	Not reported
Mile Post:	Not reported
Scene Type:	Not reported
Area Type:	Not reported
Responsible Party(Ies):	Not reported
Company:	Not reported
Respcontact:	Not reported
Address:	Not reported
Resp City:	Not reported
Resp State:	Not reported
Resp ZipCode:	Not reported
Phone:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Resp Phone2:	Not reported
Weather:	Not reported
Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Were Haz Materials Released?:	Not reported
Operation Performed:	Not reported
Cause:	Not reported
Vehicle And Cargo:	Not reported
Fixed Property:	Not reported
Total Loss:	Not reported
Hazmat Population Density:	Not reported
HazMat Actions Taken - Description:	Not reported
Hazmat Factors Contributing To Release:	Not reported
Hazmat DOT Hazard Classification:	Not reported
Hazmat CAS Number:	Not reported
Hazardous Materials Release:	None
Fire Incident Type:	Gas leak (natural gas or LPG)
Property Use:	Residential street, road or residential driveway
Latitude:	Not reported
Longitude:	Not reported
Hazmat Disposition:	Not reported

HSIS:

Name:	WESTROCK NW LLC
Address:	1301 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	006471
Department Or Division Of Company:	NEWBERG
Chemical Is Extremely Hazardous Substance (EHS:	N
Contains 112R:	N
Facility Has Written Emergency Plan:	Y
NAICS Code 1:	322122
NAICS Desc 1:	NEWSPRINT MILLS
NAICS Code 2:	000000
NAICS Desc 2:	Not reported
Manager Name:	JIMMY HOLTZCLAW
Business Phone:	5035382151
Mailing Address:	1301 WYNOOSKI RD
Mailing City:	NEWBERG
Mailing State:	OR
Mailing Zip:	97132
No. of Employees:	240
Day Phone:	9712501643
Placard:	Y
Fire Dept Code:	0485
FD:	TUALATIN VALLEY F&R
Sprinkler System:	Y
Emergency Contact:	MITCH JONSEN
Emergency Procedure:	SAFETY OFFICE
Business Type:	NEWSPRINT MANUFACTURER
Facility Type:	Not reported
Department:	Not reported
Status:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Status TRI:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Status RMP:	Not reported
Status PSM:	Not reported
Status CR2K:	Not reported
Status 302:	Not reported
Owner Name:	Not reported
Last Reported ID:	Not reported
Case Number:	Not reported
Chemical Name:	Not reported
EHS Name:	Not reported
Is Pure:	Not reported
Is Mix:	Not reported
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Unit:	Not reported
Chemical Added Date:	Not reported
Is Chem PSM:	Not reported
Is Chem 112R:	Not reported
Is Chem 302:	Not reported
Is Pesticide:	Not reported
Is Fertilizer:	Not reported
Physical State:	Not reported
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Not reported
Number of Days Onsite:	Not reported
Year:	Not reported

Chemical:

Chemical Name:	GREASE
Physical Description:	SOLID
Case Number:	64742525
Facility Id:	006471
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	D
Description:	STEEL DRUM
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999

WESTROCK NW LLC (Continued) **S110290074**

Most Hazardous Ingridient:	SEVERELY REFINED PETROLEUM DISTILLATE
United Nations/north America 4 Digit Class Number:	1268
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

Chemical Name:	NICKEL CADMIUM BATTERIES-WET
Physical Description:	SOLID
Case Number:	0007440439
Facility Id:	006471
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	K
Description:	BOX
Type Code:	R
Temperature Description:	OTHER
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	NICKEL/NICKEL DIHYDROXIDE/POTASSIUM HYDR
United Nations/north America 4 Digit Class Number:	2795
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Reactive Material
Third Hazardous Class Code For Chemical:	Corrosive Material
Hazard Class 1 Of The Chemical:	6.3

WESTROCK NW LLC (Continued) **S110290074**

Hazard Class 2 Of The Chemical:	4.4
Hazard Class 3 Of The Chemical:	8.0
Additional Chemical:	
Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	Y
Chemical Name:	PRO CITRUS PM
Physical Description:	LIQUID
Case Number:	111762
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	30
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	O
Description:	TOTEBIN
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	3-OXA-1-HEPTANOL
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Additional Chemical:	
Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N

WESTROCK NW LLC (Continued) **S110290074**

Contains 313:	N
Chemical Name:	PROPANE
Physical Description:	GAS
Case Number:	74986
Facility Id:	006471
Physical State Of The Substance:	3
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	L
Temperature Description:	CYLINDER
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	PROPANE
United Nations/north America 4 Digit Class Number:	1075
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON SDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Flammable Gas
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.1
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N
Chemical Name:	ROCK SALT
Physical Description:	SOLID
Case Number:	7647145
Facility Id:	006471
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20

WESTROCK NW LLC (Continued) **S110290074**

Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	J
Description:	BAG
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	SODIUM CHLORIDE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

Chemical Name:	UREA
Physical Description:	SOLID
Case Number:	57136
Facility Id:	006471
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	31
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	J
Description:	BAG
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	50,000-99,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	UREA
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	4
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	Y
Pesticide:	N
Contains 313:	N

Chemical Name:	USED OIL
Physical Description:	LIQUID
Case Number:	70514124
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	D
Description:	STEEL DRUM
Type Code:	O
Temperature Description:	TOTEBIN
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	LUBRCATING OILS USED
United Nations/north America 4 Digit Class Number:	0000

WESTROCK NW LLC (Continued) **S110290074**

Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON SDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Combustible Material
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	4.5

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	SHELL TELLUS OIL 68
Physical Description:	LIQUID
Case Number:	000000
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	D
Description:	STEEL DRUM
Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	HIGHLY REFINED MINERAL OILS
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	1
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	LEAD ACID BATTERIES
Physical Description:	SOLID
Case Number:	Not reported
Facility Id:	006471
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	21
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	K
Description:	BOX
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	5,000-9,999
Most Hazardous Ingridient:	SULFURIC ACID
United Nations/north America 4 Digit Class Number:	2794
Hazard Rank:	4
EHS Ingredient:	SULFURIC ACID
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	6.4

Chemical Name:	PAPER MACHINE OIL 220
Physical Description:	LIQUID
Case Number:	000000
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS

WESTROCK NW LLC (Continued) **S110290074**

Type Code:	D
Description:	STEEL DRUM
Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	HIGHLY REFINED MINERAL OIL
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	1
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	SHELL MORLINA 100-150
Physical Description:	LIQUID
Case Number:	00000
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	D
Description:	STEEL DRUM
Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4

WESTROCK NW LLC (Continued) **S110290074**

Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	HIGHLY REFINED MINERAL OIL
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	1
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	DIESEL FUEL
Physical Description:	LIQUID
Case Number:	0068334305
Facility Id:	006471
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	30
Maximum Amount Possessed During The Year Code:	30
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	10,000-49,999
Most Hazardous Ingridient:	petroleum products, diesel oil
United Nations/north America 4 Digit Class Number:	1993
Hazard Rank:	2
EHS Ingredient:	Not reported

WESTROCK NW LLC (Continued) **S110290074**

Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

A9 **SMURFIT NEWSPRINT** **RGA LUST** **S115420741**
Target **1301 WYNOOSKI ST** **N/A**
Property **NEWBERG, OR**

Site 9 of 16 in cluster A

Actual: **143 ft.**

RGA LUST:

2012	SMURFIT NEWSPRINT	1301 WYNOOSKI ST	

A10 **HMIRS** **97061113**
Target **1301 WYNOOSKI** **N/A**
Property **NEWBERG, OR**

Site 10 of 16 in cluster A

Actual: **143 ft.**

HMIRS:

Report #:	97061113
Site location:	1301 WYNOOSKI NEWBERG, OR
Place of origin:	2111 E DOMINQUEZ CARSON, CA 90810
Destination:	SMURFIT NEWS PRINT CORP 1301 WYNOOSKI NEWBERG, OR 97132
Carrier ID:	22727
Carrier reporting #:	164311
Carrier:	SCHNEIDER NAT'L BULK CARRIERS
Carrier address:	3101 SOUTH PACKERLAND DRIVE GREEN BAY, WI 54304
Shipper ID:	15905
Shipper name:	NALCO CHEMICAL CO
Shipper address:	2111 E DOMINQUEZ CARSON, CA 90810
Shipping paper number:	315143
Consignee ID:	30419
Consignee name:	SMURFIT NEWS PRINT CORP
Consignee addess:	1301 WYNOOSKI NEWBERG, OR 97132

(Continued) **97061113**

General cause:	02
Transportation mode:	004
Date:	06201997
Commodity name:	CORROS LIQ BASIC INORGANI
Trade name:	NALCO 7396
Amount:	.06250000 GAL
Result:	Fire
Hazard Class:	80
ID Number:	UN3266
Hazardous:	False
R.Q. met:	False
Misc. info:	011 010
Vehicle Type:	Van truck/trailer
Trans. phase:	26
Land use:	327
Community:	128
Accident/Derailment:	Yes
Estimated speed:	1
Highway type:	Not reported
number of lanes:	Not reported
Number evacuated:	000000
Major injuries:	000
Minor injuries:	000
Fatalities:	00
Product loss:	00000000
Carrier damage:	00000000
Pvt/Pub damage:	00000000
Cleanup cost:	00000000
Other damage:	00000000
Reported damage:	00000000
Incident damage:	00000000

Inner and Outer Container Information:

Container type:	MC307
Container capacity:	7000.00000 GAL
Number failed:	00001
Number in shipment:	00000
Container gauge:	10
Manufacture's ID:	22288
Manuf. name:	S T & E COTTAGE GROVE, WI
Tank serial #:	1S9T74226E
Label:	CORROS
Registration #:	Not reported
Inspection date:	02141997
Exemption #:	Not reported
Contributing cause:	HOLE IN HOSE
Contributing Object:	No object
Contributing failure:	OTHER
Affected side:	OTHER
Other contributing cause:	OTHER
Capacity container code:	Not reported
Number failed code:	Not reported
Shipment code number:	Not reported

Remarks:

(Continued) **97061113**

DRIVER UNLOADING. DISCOVERED A HOLE IN THE HOSE. SPILL WAS WIPED
DRIVER UNLOADING. DISCOVERED A HOLE IN THE HOSE. SPILL WAS WIPED
UP W/ABSORBANTS.
UP W/ABSORBANTS.

A11 **SPILLS** **S118185061**
Target Property **1301 WYNOOSKI ST**
NEWBERG, OR 97132 **N/A**

Site 11 of 16 in cluster A

Actual: 143 ft.

OR SPILLS:

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Facility ID:	2001-1987
Incident Status:	Archive
Material:	Not reported
Quantity:	Not reported
Unit of Measure:	Not reported
Release Date:	08/11/2001
Description:	Requesting permission to transport 23,000 gal sewage due to backup.
Lat/Long:	45.2891 / -122.9611
Source:	Unknown
Media:	Suspected, unknown, or no discharge
Responsible Company:	Not reported
Responsible Address:	Not reported
Responsible City,St,Zip:	Not reported

A12 **SMURFIT NEWSPRINT CORP. - NEWBERG** **RGA HWS** **S115337956**
Target Property **1301 WYNOOSKI ST.**
NEWBERG, OR **N/A**

Site 12 of 16 in cluster A

Actual: 143 ft.

RGA HWS:

2012	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2011	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2010	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2009	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2008	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2007	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.
2006	SMURFIT NEWSPRINT CORP. - NEWBERG	1301 WYNOOSKI ST.

A13 **SPILLS** **S118183605**
Target Property **1301 WYNOOSKI ST** **N/A**
NEWBERG, OR 97132

Site 13 of 16 in cluster A

Actual: 143 ft.

OR SPILLS:

Name:	Not reported
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
Facility ID:	1997-2537
Incident Status:	Archive
Material:	Not reported
Quantity:	Not reported
Unit of Measure:	Not reported
Release Date:	10/13/1997
Description:	Air quality complaint. Nine public citizens complaint were recorded at OERS. Black smoke between 10:00 and 10:30. Deputy Sheriff went out at 11:20 and said he could see only steam and smell paper pulp and sewage.
Lat/Long:	45.2891 / -122.9611
Source:	Well
Media:	Not reported
Responsible Company:	Not reported
Responsible Address:	Not reported
Responsible City,St,Zip:	Not reported

A14 **SP NEWSPRINT CO., LLC** **RCRA-VSQG** **1000357136**
Target Property **1301 WYNOOSKI ST** **PADS** **ORD009620378**
NEWBERG, OR 97132 **MANIFEST**
NPDES

Site 14 of 16 in cluster A

Actual: 143 ft.

RCRA-VSQG:

Date Form Received by Agency:		20090820
Handler Name:	SP NEWSPRINT CO., LLC	
Handler Address:		1301 WYNOOSKI ST
Handler City,State,Zip:		NEWBERG, OR 97132
EPA ID:		ORD009620378
Contact Name:		STAN MILLER
Contact Address:		PO BOX 70
Contact City,State,Zip:		NEWBERG, OR 97132-0070
Contact Telephone:		503-537-6278
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		10
Land Type:		Private
Federal Waste Generator Description:		Conditionally Exempt Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1301 WYNOOSKI ST
Mailing City,State,Zip:		NEWBERG, OR 97132
Owner Name:		SP NEWSPRINT CO., LLC
Owner Type:		Private
Operator Name:		SP NEWSPRINT CO., LLC

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140602
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D018
Waste Description: BENZENE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: NONE
Waste Description: Not Defined

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status: Private
Date Became Current: 19920302
Date Ended Current: Not reported
Owner/Operator Address: 427 MAIN ST
Owner/Operator City,State,Zip: OREGON CITY, OR 97045
Owner/Operator Telephone: 800-547-6633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATION
Legal Status: Other
Date Became Current: 19960122
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132-0070
Owner/Operator Telephone: 503-538-2151
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	19991202
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	20030110
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20051231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20081231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20081231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATION
Legal Status: Other
Date Became Current: 19970114
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132-0070
Owner/Operator Telephone: 503-538-2151
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATION
Legal Status: Other
Date Became Current: 19980225
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132-0070
Owner/Operator Telephone: 503-538-2151
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO.
Legal Status: Private
Date Became Current: 20040116
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status: Private
Date Became Current: 19980225
Date Ended Current: Not reported
Owner/Operator Address: 427 MAIN ST
Owner/Operator City,State,Zip: OREGON CITY, OR 97045
Owner/Operator Telephone: 800-547-6633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status: Private
Date Became Current: 20000125
Date Ended Current: Not reported
Owner/Operator Address: 427 MAIN ST

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATION
Legal Status:	Other
Date Became Current:	19950125
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 70
Owner/Operator City,State,Zip:	NEWBERG, OR 97132-0070
Owner/Operator Telephone:	503-538-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status:	Private
Date Became Current:	19940223
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SMURFIT NEWSPRINT CORP
Legal Status:	Other
Date Became Current:	19940223
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	503-656-5211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status:	Private
Date Became Current:	19950125
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status:	Private

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Date Became Current:	19960122
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATION
Legal Status:	Other
Date Became Current:	20000125
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 70
Owner/Operator City,State,Zip:	NEWBERG, OR 97132-0070
Owner/Operator Telephone:	503-538-2151
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	20000125
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	20010208
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20051231
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status:	Private
Date Became Current:	19970114
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	20010222
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO
Legal Status:	Private
Date Became Current:	20020104
Date Ended Current:	Not reported
Owner/Operator Address:	1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip:	ATLANTA, GA 30349
Owner/Operator Telephone:	770-994-8093
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20051231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20071231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SP NEWSPRINT CO.
Legal Status:	Private
Date Became Current:	20071231
Date Ended Current:	Not reported
Owner/Operator Address:	245 PEACHTREE CENTER AVE NE
Owner/Operator City,State,Zip:	ATLANTA, GA 30303
Owner/Operator Telephone:	404-979-6600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SP NEWSPRINT CO., LLC
Legal Status:	Private
Date Became Current:	19991110
Date Ended Current:	Not reported
Owner/Operator Address:	1301 WYNOOSKI ST. PO BOX 70
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-6278
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status:	Private
Date Became Current:	19930225
Date Ended Current:	Not reported
Owner/Operator Address:	427 MAIN ST
Owner/Operator City,State,Zip:	OREGON CITY, OR 97045
Owner/Operator Telephone:	800-547-6633
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SMURFIT NEWSPRINT CORPORATION
Legal Status:	Other
Date Became Current:	19990226
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 70

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Owner/Operator City,State,Zip: NEWBERG, OR 97132-0070
Owner/Operator Telephone: 503-538-2151
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SP NEWSPRINT CO.
Legal Status: Private
Date Became Current: 20040116
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SP NEWSPRINT CO., LLC
Legal Status: Private
Date Became Current: 20080331
Date Ended Current: Not reported
Owner/Operator Address: 1301 WYNOOSKI ST. PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132
Owner/Operator Telephone: 503-537-6278
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO., LLC
Legal Status: Private
Date Became Current: 19991110
Date Ended Current: Not reported
Owner/Operator Address: 1301 WYNOOSKI ST. PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132
Owner/Operator Telephone: 503-537-6278
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SMURFIT NEWSPRINT CORPORATE OFFICE
Legal Status: Private
Date Became Current: 19990226
Date Ended Current: Not reported
Owner/Operator Address: 427 MAIN ST
Owner/Operator City,State,Zip: OREGON CITY, OR 97045
Owner/Operator Telephone: 800-547-6633
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: SP NEWSPRINT CO
Legal Status: Private

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Date Became Current: 20041229
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO
Legal Status: Private
Date Became Current: 20041229
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO.
Legal Status: Private
Date Became Current: 20051231
Date Ended Current: Not reported
Owner/Operator Address: 1895 PHOENIX BLVD STE 400
Owner/Operator City,State,Zip: ATLANTA, GA 30349
Owner/Operator Telephone: 770-994-8093
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SP NEWSPRINT CO., LLC
Legal Status: Private
Date Became Current: 20080331
Date Ended Current: Not reported
Owner/Operator Address: 1301 WYNOOSKI ST. PO BOX 70
Owner/Operator City,State,Zip: NEWBERG, OR 97132
Owner/Operator Telephone: 503-537-6278
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19970114
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Electronic Manifest Broker: Not reported

Receive Date: 19980225
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990226
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19991202
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000125
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000125
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Small Quantity Generator

SP NEWSPRINT CO., LLC (Continued) **1000357136**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010208
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20010222
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020104
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20030110
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040116
Handler Name: SP NEWSPRINT CO.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20041229
Handler Name: SP NEWSPRINT CO
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20051231
Handler Name: SP NEWSPRINT CO.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20051231
Handler Name: SP NEWSPRINT CO.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Receive Date: 20071231
Handler Name: SP NEWSPRINT CO.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20081231
Handler Name: SP NEWSPRINT CO.
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080331
Handler Name: SP NEWSPRINT CO., LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20090820
Handler Name: SP NEWSPRINT CO., LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900423
Handler Name: SMURFIT NEWSPRINT NEWBERG MILL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920301
Handler Name: SMURFIT - NEWBERG DIVISION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980301
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920302
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930225
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940223
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19950125
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960122
Handler Name: SMURFIT NEWPRINT CORP NEWBERG
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32211
NAICS Description: PULP MILLS

NAICS Code: 32212
NAICS Description: PAPER MILLS

NAICS Code: 322122
NAICS Description: NEWSPRINT MILLS

NAICS Code: 333319
NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19911018
Actual Return to Compliance Date:	19920310
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	19920129
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement Responsible Person:	R0JKT
Enforcement Responsible Sub-Organization:	WV
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1300
Final Monetary Amount:	1300
Paid Amount:	1300
Final Count:	1
Final Amount:	1300

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Contingency Plan and Emergency Procedures
Date Violation was Determined:	19911018
Actual Return to Compliance Date:	19920310
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19911122
Enforcement Identifier:	000
Date of Enforcement Action:	19911108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R0JKT
Enforcement Responsible Sub-Organization: WV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20061212
Actual Return to Compliance Date: 20070118
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20070130
Enforcement Identifier: 101
Date of Enforcement Action: 20061219
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: NOTICE OF NONCOMPLIANCE
Enforcement Responsible Person: ORAMN
Enforcement Responsible Sub-Organization: WR
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20061212
Actual Return to Compliance Date:	20070118
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	20070130
Enforcement Identifier:	101
Date of Enforcement Action:	20061219
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	NOTICE OF NONCOMPLIANCE
Enforcement Responsible Person:	ORAMN
Enforcement Responsible Sub-Organization:	WR
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19911018
Actual Return to Compliance Date:	19920310
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	000
Date of Enforcement Action:	19911108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R0JKT
Enforcement Responsible Sub-Organization: WV
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Used Oil - Generators
Date Violation was Determined: 20061212
Actual Return to Compliance Date: 20070118
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: 20070130
Enforcement Identifier: 101
Date of Enforcement Action: 20061219
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: NOTICE OF NONCOMPLIANCE
Enforcement Responsible Person: ORAMN
Enforcement Responsible Sub-Organization: WR
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19911018
Actual Return to Compliance Date:	19920310
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19911122
Enforcement Identifier:	000
Date of Enforcement Action:	19911108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R0JKT
Enforcement Responsible Sub-Organization:	WV
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19911018
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R0JKT
Evaluation Responsible Sub-Organization:	WV
Actual Return to Compliance Date:	19920310
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911018
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R0JKT

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Evaluation Responsible Sub-Organization:	WV
Actual Return to Compliance Date:	19920310
Scheduled Compliance Date:	19911122
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ORAMN
Evaluation Responsible Sub-Organization:	WR
Actual Return to Compliance Date:	20070118
Scheduled Compliance Date:	20070130
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ORAMN
Evaluation Responsible Sub-Organization:	WR
Actual Return to Compliance Date:	20070118
Scheduled Compliance Date:	20070130
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911018
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R0JKT
Evaluation Responsible Sub-Organization:	WV
Actual Return to Compliance Date:	19920310
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061212
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ORAMN
Evaluation Responsible Sub-Organization:	WR
Actual Return to Compliance Date:	20070118
Scheduled Compliance Date:	20070130
Date of Request:	Not reported
Date Response Received:	Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911018
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R0JKT
Evaluation Responsible Sub-Organization:	WV
Actual Return to Compliance Date:	19920310
Scheduled Compliance Date:	19911122
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PADS:

Name:	SMURFIT NEWSPRINT NEWBERG MILL
Address:	WYNOOSKI ST
Address 2:	Not reported
City,State,Zip:	NEWBERG, OR 97132
EDR ID:	1000357136
EPAID:	ORD009620378
Region:	10
Generator:	Y
Storer:	N
Disposer:	N
Transporter:	N
Smelter:	N
Research Facility:	N
Mailing Address:	PO BOX 70
Mailing Address 2:	Not reported
Mailing City:	NEWBERG
Mailing State:	OR
Mailing Zip:	97132
Mailing Country:	US
Owner Name:	SMURFIT NEWSPRINT
Certification Date:	03/21/1990
Contact Name:	STAN MILLER
Contact Title:	Not reported
Contact Telephone:	503-538-2151
Contact Text:	Not reported
Contact Email:	Not reported

OR MANIFEST:

Manifest Year:	Manifest Year - 2007
EPA Id:	ORD009620378
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	Stan Miller
Contact Telephone Number:	(503) 537-6278
Mailing Address:	PO Box 70
Mailing City/State/Zip:	Newberg, OR 97132-0070

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Manifest:
Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01819
Ship Date : 02/17/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01819
Ship Date : 02/17/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01819
Ship Date : 02/17/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000

SP NEWSPRINT CO., LLC (Continued) **1000357136**

RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 01819
Ship Date : 02/17/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 107271
Ship Date : 09/08/2000
TSD : ARD069748192
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: D001
Waste Description: Paint related material
Total Amt Of Waste Stream Generated in Reporting Yr 1: 293.4145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 218

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 107271
Ship Date : 09/08/2000
TSD : ARD069748192
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: F003
Waste Description: Paint related material
Total Amt Of Waste Stream Generated in Reporting Yr 1: 293.4145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 218

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Manifest : 107271
Ship Date : 09/08/2000
TSD : ARD069748192
WS Num: 4
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M051
EPA Waste Codes: F005
Waste Description: Paint related material
Total Amt Of Waste Stream Generated in Reporting Yr 1: 293.4145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 218

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 50861
Ship Date : 06/07/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 50861
Ship Date : 06/07/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 50861
Ship Date : 06/07/2000
TSD : ORD981766124

SP NEWSPRINT CO., LLC (Continued) **1000357136**

WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Click this hyperlink while viewing on your computer to access
15 additional OR_MANIFEST: record(s) in the EDR Site Report.

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 50861
Ship Date : 06/07/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 63391
Ship Date : 01/24/2000
TSD : FCCANADA
WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M077
EPA Waste Codes: D002
Waste Description: Nalbrite 7574
Total Amt Of Waste Stream Generated in Reporting Yr 1: 0.004535
Total Amt Of Waste Stream Generated in Reporting Yr 2: 680

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 63391
Ship Date : 01/24/2000
TSD : FCCANADA

SP NEWSPRINT CO., LLC (Continued) **1000357136**

WS Num: 5
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M077
EPA Waste Codes: D007
Waste Description: Nalbrite 7574
Total Amt Of Waste Stream Generated in Reporting Yr 1: 0.004535
Total Amt Of Waste Stream Generated in Reporting Yr 2: 680

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 74933
Ship Date : 11/21/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 74933
Ship Date : 11/21/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 74933
Ship Date : 11/21/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 74933
Ship Date : 11/21/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D039
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 77938
Ship Date : 09/27/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D006
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 77938
Ship Date : 09/27/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D008

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

Name: SP NEWSPRINT CO
Year : 2000
RCRA Id : ORD009620378
Inactive : Not reported
Status: Small quantity generator
Manifest : 77938
Ship Date : 09/27/2000
TSD : ORD981766124
WS Num: 3
Transporter: Not reported
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : M021
EPA Waste Codes: D027
Waste Description: SK 1808 immersion cleaner
Total Amt Of Waste Stream Generated in Reporting Yr 1: 87
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15

NPDES:
Name: NEWBERG OR, LLC
Address: 1301 WYNOOSKI ST
City,State,Zip: NEWBERG, OR 97132-3380
WQ File Nbr: 72615
Legal Name: Newberg OR, LLC
Region: WR
Pri SIC: 2621
Latitude: 45.2891
Longitude: -122.9611
Category: STORMWATER
Permit Type: GEN12P
Permit Active: FALSE
Permit Description: Industrial storm water - Pulp and paper
Expiration Date: 09/30/1996
EPA Number: MISSING!!
UIC Facility: FALSE
Admin Agent: Salem Office
Last Action Date: 01/28/1998
Permit Writer: Mcfetridge, Timothy
Compliance Inspector: Mcfetridge, Timothy
DMR Reviewer: Mcfetridge, Timothy
Application Number: 996734
Class: MINOR
Start Date: 11/23/1992
Region Decode: West Region
Ownership: PRIVATE
Permit Group: NPDES General Permit - Industrial storm water discharges
EPA Class: MINOR
Permit Number: 10693

Name: NEWBERG OR, LLC
Address: 1301 WYNOOSKI ST
City,State,Zip: NEWBERG, OR 97132-3380

SP NEWSPRINT CO., LLC (Continued) **1000357136**

WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	STORMWATER
Permit Type:	GEN12Z
Permit Active:	TRUE
Permit Description:	Industrial storm water
Expiration Date:	07/31/2022
EPA Number:	ORR241118
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	08/17/2017
Permit Writer:	Jacobsen, Kathy
Compliance Inspector:	Jacobsen, Kathy
DMR Reviewer:	Jacobsen, Kathy
Application Number:	0
Class:	N/A
Start Date:	01/28/1998
Region Decode:	West Region
Ownership:	PRIVATE
Permit Group:	NPDES General Permit - Industrial storm water discharges
EPA Class:	MINOR
Permit Number:	10692

Name:	NEWBERG OR, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	INDUSTRIAL
Permit Type:	GEN17
Permit Active:	FALSE
Permit Description:	Wash Water
Expiration Date:	12/31/1997
EPA Number:	MISSING!!
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	06/04/1998
Permit Writer:	Arendt, Jon
Compliance Inspector:	Mcfetridge, Timothy
DMR Reviewer:	Mcfetridge, Timothy
Application Number:	995755
Class:	MINOR
Start Date:	11/12/1993
Region Decode:	West Region
Ownership:	PRIVATE
Permit Group:	NPDES General Permit - Industrial wastewater discharges
EPA Class:	MINOR
Permit Number:	10691

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Name:	NEWBERG OR, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	INDUSTRIAL
Permit Type:	GEN17A
Permit Active:	FALSE
Permit Description:	NPDES-Vehicle & equipment wash water
Expiration Date:	01/31/2003
EPA Number:	ORG753538
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	01/29/2001
Permit Writer:	Arendt, Jon
Compliance Inspector:	Mcfetridge, Timothy
DMR Reviewer:	Mcfetridge, Timothy
Application Number:	0
Class:	MINOR
Start Date:	06/04/1998
Region Decode:	West Region
Ownership:	PRIVATE
Permit Group:	NPDES General Permit - Industrial wastewater discharges
EPA Class:	MINOR
Permit Number:	10690

Name:	NEWBERG OR, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	INDUSTRIAL
Permit Type:	NPDES-IW-A
Permit Active:	FALSE
Permit Description:	Major pulp, paper, paperboard, hardboard, and other fiber pulping industry
Expiration Date:	11/30/1987
EPA Number:	OR0000558
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	06/02/1989
Permit Writer:	Mcfetridge, Timothy
Compliance Inspector:	Mcfetridge, Timothy
DMR Reviewer:	Not reported
Application Number:	Not reported
Class:	MAJOR
Start Date:	01/01/1901
Region Decode:	West Region
Ownership:	PRIVATE

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Permit Group:	Individual NPDES - Industrial wastewater discharges
EPA Class:	MAJOR
Permit Number:	3618
Name:	NEWBERG OR, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	INDUSTRIAL
Permit Type:	NPDES-IW-A
Permit Active:	FALSE
Permit Description:	Major pulp, paper, paperboard, hardboard, and other fiber pulping industry
Expiration Date:	05/31/1994
EPA Number:	OR0000558
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	06/28/1995
Permit Writer:	Mcfetridge, Timothy
Compliance Inspector:	Mcfetridge, Timothy
DMR Reviewer:	Not reported
Application Number:	0
Class:	MAJOR
Start Date:	06/02/1989
Region Decode:	West Region
Ownership:	PRIVATE
Permit Group:	Individual NPDES - Industrial wastewater discharges
EPA Class:	MAJOR
Permit Number:	100580
Name:	NEWBERG OR, LLC
Address:	1301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132-3380
WQ File Nbr:	72615
Legal Name:	Newberg OR, LLC
Region:	WR
Pri SIC:	2621
Latitude:	45.2891
Longitude:	-122.9611
Category:	INDUSTRIAL
Permit Type:	NPDES-IW-B01
Permit Active:	TRUE
Permit Description:	Pulp, paper, or other fiber pulping industry.
Expiration Date:	05/31/2000
EPA Number:	OR0000558
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	06/29/1995
Permit Writer:	Mcfetridge, Timothy
Compliance Inspector:	Ullrich, E
DMR Reviewer:	Ullrich, E
Application Number:	0

SP NEWSPRINT CO., LLC (Continued) **1000357136**

Class: Tier1
Start Date: 06/28/1995
Region Decode: West Region
Ownership: PRIVATE
Permit Group: Individual NPDES - Industrial wastewater discharges
EPA Class: MAJOR
Permit Number: 101299

A15 **SP NEWSPRINT CO - NEWBERG MILL** **TSCA** **1014200721**
Target Property **1301 WYNOOSKI STREET** **N/A**
NEWBERG, OR 97132

Site 15 of 16 in cluster A

Actual: 143 ft.

TSCA:
No Details: No Details

A16 **SMURFIT NEWBERG** **RGA LUST** **S115420738**
Target Property **1301 WYNOOSKI ST** **N/A**
NEWBERG, OR

Site 16 of 16 in cluster A

Actual: 143 ft.

RGA LUST:

2012	SMURFIT NEWBERG	1301 WYNOOSKI ST
2011	SMURFIT NEWBERG	1301 WYNOOSKI ST
2010	SMURFIT NEWBERG	1301 WYNOOSKI ST
2009	SMURFIT NEWBERG	1301 WYNOOSKI ST
2008	SMURFIT NEWBERG	1301 WYNOOSKI ST
2007	SMURFIT NEWBERG	1301 WYNOOSKI ST

B17 **SMURFIT NEWSPRINT CORP. - NEWBERG** **RGA HWS** **S115337958**
WYNOOSKI ST (FOOT OF) **N/A**
< 1/8 **NEWBERG, OR**
1 ft.

Site 1 of 5 in cluster B

Relative: Higher
Actual: 151 ft.

RGA HWS:

1999	SMURFIT NEWSPRINT CORP. - NEWBERG	WYNOOSKI ST (FOOT OF)
1998	SMURFIT NEWSPRINT CORP. - NEWBERG	WYNOOSKI ST (FOOT OF)
1997	SMURFIT NEWSPRINT CORP. - NEWBERG	WYNOOSKI ST (FOOT OF)
1996	SMURFIT NEWSPRINT CORP. - NEWBERG	WYNOOSKI ST (FOOT OF)
1995	SMURFIT NEWSPRINT CORP. - NEWBERG	WYNOOSKI ST (FOOT OF)

B18 **SMURFIT NEWSPRINT CORP.** **RGA LUST** **S115420740**
WYNOOSKI ST **N/A**
< 1/8 **NEWBERG, OR**
1 ft.

Site 2 of 5 in cluster B

Relative: RGA LUST:
Higher

2006	SMURFIT NEWSPRINT CORP.	WYNOOSKI ST
2005	SMURFIT NEWSPRINT CORP.	WYNOOSKI ST
2004	SMURFIT NEWSPRINT CORP.	WYNOOSKI ST
2003	SMURFIT NEWSPRINT CORP.	WYNOOSKI ST
2002	SMURFIT NEWSPRINT CORP.	WYNOOSKI ST

Actual:
151 ft.

C19 **SMURFIT NEWSPRINT CORP - NEWBERG** **FINDS** **1026435201**
1302 WYNOOSKI STREET **N/A**
< 1/8 **NEWBERG, OR 97132**
1 ft.

Site 1 of 2 in cluster C

Relative: FINDS:
Lower Registry ID: 110070790371

Actual:
102 ft. Click Here:

Environmental Interest/Information System:
SUPERFUND (NON-NPL)

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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20 **ALLEGHENY INDUSTRIAL CO INC** **FINDS** **1016233971**
12TH & PACIFIC **ECHO** **N/A**
< 1/8 **NEWBERG, OR 97132**
1 ft.

FINDS:
Relative: Registry ID: 110007737459
Higher

Actual: Click Here:
171 ft.

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016233971
Registry ID:	110007737459
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110007737459
Name:	ALLEGHENY INDUSTRIAL CO INC
Address:	12TH & PACIFIC

ALLEGHENY INDUSTRIAL CO INC (Continued) **1016233971**

City,State,Zip: NEWBERG, OR 97132

B21 **SMURFIT NEWBERG** **RGA LUST** **S115420739**
WYNOOSKI STREET **N/A**
< 1/8 **NEWBERG, OR**
1 ft.

Site 3 of 5 in cluster B

Relative: RGA LUST:
Higher

2006	SMURFIT NEWBERG	WYNOOSKI STREET
2005	SMURFIT NEWBERG	WYNOOSKI STREET
2004	SMURFIT NEWBERG	WYNOOSKI STREET
2003	SMURFIT NEWBERG	WYNOOSKI STREET
2002	SMURFIT NEWBERG	WYNOOSKI STREET

Actual:
151 ft.

B22 **SMURFIT NEWSPRINT** **RGA LUST** **S115420742**
WYNOOSKI ST **N/A**
< 1/8 **NEWBERG, OR**
1 ft.

Site 4 of 5 in cluster B

Relative: RGA LUST:
Higher

2011	SMURFIT NEWSPRINT	WYNOOSKI ST
2010	SMURFIT NEWSPRINT	WYNOOSKI ST
2009	SMURFIT NEWSPRINT	WYNOOSKI ST
2008	SMURFIT NEWSPRINT	WYNOOSKI ST
2007	SMURFIT NEWSPRINT	WYNOOSKI ST

Actual:
151 ft.

B23 **SMURFIT NEWSPRINT CORP** **FTTS** **1009523398**
WYNOOSKI RD **HIST FTTS** **N/A**
< 1/8 **NEWBERG, OR 97132**
1 ft.

Site 5 of 5 in cluster B

Relative: FTTS INSP:
Higher

Inspection Number:	199407211709 2
Region:	10
Inspection Date:	07/21/94
Inspector:	TANGARONE
Violation occurred:	No
Investigation Type:	Section 6 PCB Federal Conducted
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	User

Actual:
151 ft.

SMURFIT NEWSPRINT CORP (Continued) **1009523398**

HIST FTTS INSP:
Inspection Number: 199407211709 2
Region: 10
Inspection Date: Not reported
Inspector: TANGARONE
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

D24 **NEWBERG RIVER ROCK PRODUCTS** **MINES MRDS** **1025612973**
N/A

< 1/8 **NEWBERG, OR 97132**
1 ft.

Site 1 of 2 in cluster D

Relative: **Higher**
Actual: **168 ft.**

MINES MRDS:

Name:	NEWBERG RIVER ROCK PRODUCTS
Address:	Not reported
Deposit identification Number:	10128258
City,State,Zip:	NEWBERG, OREGON 97132
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10128258
MRDS Identification Number:	OR01369
MAS/MILS Identification Number:	0410710032
Region:	NA
Country:	United States
Primary Commodities:	Sand and Gravel, Construction
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Newberg River Rock
Ore Controls:	Not reported
Reporter:	Western Field Operations Center (WFOC)
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported

NEWBERG RIVER ROCK PRODUCTS (Continued) **1025612973**

Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	45.2887
Longitude:	-122.9598

C25 **SMURFIT NEWSPRINT CORP - NEWBERG** **SEMS** **1026109648**
1302 WYNOOSKI STREET **ORN001020203**
< 1/8 **NEWBERG, OR 97132**
1 ft.

Site 2 of 2 in cluster C

Relative: **Lower**
Actual: **102 ft.**

SEMS:

Site ID:	1020203
EPA ID:	ORN001020203
Name:	SMURFIT NEWSPRINT CORP - NEWBERG
Address:	1302 WYNOOSKI STREET
Address 2:	Not reported
City,State,Zip:	NEWBERG, OR 97132
Cong District:	01
FIPS Code:	41071
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

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26 **SPILLS** **S118187536**
ROGER'S LANDING - WILLAMETTE RIVER **N/A**
< 1/8 **NEWBERG, OR 97132**
1 ft.

Relative: **Lower**
Actual: **113 ft.**

OR SPILLS:

Name:	Not reported
Address:	ROGER'S LANDING - WILLAMETTE RIVER
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	2015-1214
Incident Status:	Referred/Closed
Material:	Unknown
Quantity:	Unknown
Unit of Measure:	None
Release Date:	06/10/2015
Description:	A section of the Willamette River has a lot debris and foam and caused her daughter's feet to turn orange. Yesterday, caller's daughters took their dog to the river and the river had a lot of debris, consisting of leaves, branches and twigs. When the dog jumped in, foam came up to the surface, clumping. One of the daughters walked bare feet along the shoreline and it turned her feet orange and they still are today. Caller is unable to scrub or remove the color. Caller is taking daughter to immediate care this evening as she is due to fly out later tonight. She was advised to take picture of the feet.
Lat/Long:	45.286466 / -122.96525
Source:	Unknown
Media:	Surface Water

Responsible Company: Not reported

(Continued) **S118187536**

Responsible Address: Not reported
Responsible City,St,Zip: Not reported

Name: Not reported
Address: ROGER'S LANDING - WILLAMETTE RIVER
City,State,Zip: NEWBERG, OR 97132
Facility ID: 2015-1214
Incident Status: Referred/Closed
Material: Unknown
Quantity: Unknown
Unit of Measure: None
Release Date: 06/10/2015
Description: A section of the Willamette River has a lot debris and foam and caused her daughter's feet to turn orange. Yesterday, caller's daughters took their dog to the river and the river had a lot of debris, consisting of leaves, branches and twigs. When the dog jumped in, foam came up to the surface, clumping. One of the daughters walked bare feet along the shoreline and it turned her feet orange and they still are today. Caller is unable to scrub or remove the color. Caller is taking daughter to immediate care this evening as she is due to fly out later tonight. She was advised to take picture of the feet.
Lat/Long: 45.286466 / -122.96525
Source: Unknown
Media: Surface Water
Responsible Company: Not reported
Responsible Address: Not reported
Responsible City,St,Zip: Not reported

D27 **NEWBERG RIVER ROCK** **MINES MRDS** **1025554048**
N/A

< 1/8
1 ft. **NEWBERG, OR 97132**

Site 2 of 2 in cluster D

Relative:
Higher

Actual:
168 ft.

MINES MRDS:

Name:	NEWBERG RIVER ROCK
Address:	Not reported
Deposit identification Number:	10051156
City,State,Zip:	NEWBERG, OREGON 97132
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10051156
MRDS Identification Number:	OR01369
MAS/MILS Identification Number:	Not reported
Region:	NA
Country:	United States
Primary Commodities:	Sand and Gravel, Construction
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Y - Yes, production has occurred
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported

NEWBERG RIVER ROCK (Continued) **1025554048**

Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Gray, Jerry J.
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	45.28869
Longitude:	-122.95981

E28 **CITY OF NEWBERG** **AST** **S104059549**
SSE **2200 WYNOOSKI RD.** **AIRS** **N/A**
< 1/8 **NEWBERG, OR 97132** **HSIS**
0.017 mi.
89 ft. **Site 1 of 3 in cluster E**

Relative:
Higher

Actual:
165 ft.

AST:

Name:	NEWBERG CITY OF
Address:	2200 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	24399
Hazardous Substance:	SODIUM HYPOCHLORITE
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Dan
Direct Site Phone:	5035371239
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	WATER TREATMENT FACILITY
NAICS:	"921190,221310"
Maximum Daily Amount Code:	21
Maximum Daily Amount Code Range:	5,000-9,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No

CITY OF NEWBERG (Continued) **S104059549**

Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	Yes
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	No

OR AIRS:

Name:	CITY OF NEWBERG
Address:	2200 WYNOOSKI RD.
City,State,Zip:	NEWBERG, OR 97132
Year:	Not reported
Emission:	Not reported
Permit Number:	36-0031-18-01
Permit Type:	General (2) ACDP
Expiration Date:	08/01/2021
Source ID:	Not reported
Issue Date:	09/09/2011
NAICS Code:	221310
Is Primary:	Not reported
SIC Code:	4911
Is Primary:	Not reported
Latitude:	45.286
Longitude:	-122.954
Poll:	Not reported
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

HSIS:

CITY OF NEWBERG (Continued) **S104059549**

Name:	NEWBERG CITY OF
Address:	2200 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	024399
Department Or Division Of Company:	PUBLIC WORKS-OPERATIONS
Chemical Is Extremely Hazardous Substance (EHS:	N
Contains 112R:	N
Facility Has Written Emergency Plan:	Y
NAICS Code 1:	921190
NAICS Desc 1:	OTHER GENERAL GOV SUPPORT
NAICS Code 2:	221310
NAICS Desc 2:	WATER SUPPLY & IRRIGATION SYSTEMS
Manager Name:	JOE HANNAN
Business Phone:	5035389421
Mailing Address:	2301 WYNOOSKI RD
Mailing City:	NEWBERG
Mailing State:	OR
Mailing Zip:	97132
No. of Employees:	3
Day Phone:	5035371239
Placard:	Y
Fire Dept Code:	0485
FD:	TUALATIN VALLEY F&R
Sprinkler System:	N
Emergency Contact:	DANIEL L WILSON
Emergency Procedure:	WTP CONTROL RM
Business Type:	WATER TREATMENT FACILITY
Facility Type:	Not reported
Department:	Not reported
Status:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Status TRI:	Not reported
Status RMP:	Not reported
Status PSM:	Not reported
Status CR2K:	Not reported
Status 302:	Not reported
Owner Name:	Not reported
Last Reported ID:	Not reported
Case Number:	Not reported
Chemical Name:	Not reported
EHS Name:	Not reported
Is Pure:	Not reported
Is Mix:	Not reported
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Unit:	Not reported
Chemical Added Date:	Not reported
Is Chem PSM:	Not reported
Is Chem 112R:	Not reported
Is Chem 302:	Not reported
Is Pesticide:	Not reported
Is Fertilizer:	Not reported
Physical State:	Not reported
UNNA Number:	Not reported
NFPA Health:	Not reported

CITY OF NEWBERG (Continued) **S104059549**

NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Not reported
Number of Days Onsite:	Not reported
Year:	Not reported
Case Number:	1310732
Chemical Name:	SODIUM HYDROXIDE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/30/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1823
NFPA Health:	3
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health Acute, Health SeriousEye, Health SkinCorrosion, Physical Corrosive
Number of Days Onsite:	365
Year:	2018
Case Number:	7681529
Chemical Name:	SODIUM HYPOCHLORITE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	21
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/28/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1791
NFPA Health:	3
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health Respiratory, Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

CITY OF NEWBERG (Continued) **S104059549**

Chemical:

Chemical Name:	SODIUM HYDROXIDE
Physical Description:	LIQUID
Case Number:	1310732
Facility Id:	024399
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	SODIUM HYDROXIDE
United Nations/north America 4 Digit Class Number:	1823
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON SDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	SODIUM HYPOCHLORITE
Physical Description:	LIQUID
Case Number:	7681529
Facility Id:	024399
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	21
Maximum Amount Possessed During The Year Code:	30
Applicable Unit Of Measure Code:	2

CITY OF NEWBERG (Continued) **S104059549**

Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	5,000-9,999
Most Hazardous Ingridient:	HYPOCHLOROUS ACID,SODIUM SALT
United Nations/north America 4 Digit Class Number:	1791
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Oxidizers
Third Hazardous Class Code For Chemical:	Corrosive Material
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	5.1
Hazard Class 3 Of The Chemical:	8.0

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

E29 **NEWBERG CITY OF WASTEWATER TREATMENT FAC** **RCRA-VSQG** **1004581326**
SE **2301 WYNOOSKI ST** **ORD987190980**
< 1/8 **NEWBERG, OR 97132**
0.030 mi.
159 ft. **Site 2 of 3 in cluster E**

Relative: **Higher**
Actual: **166 ft.**

RCRA-VSQG:

Date Form Received by Agency:	20041231
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Handler Address:	2301 WYNOOSKI ST
Handler City,State,Zip:	NEWBERG, OR 97132
EPA ID:	ORD987190980
Contact Name:	HOWARD HAMILTON
Contact Address:	2301 WYNOOSKI RD
Contact City,State,Zip:	NEWBERG, OR 97132
Contact Telephone:	503-537-1211
Contact Fax:	Not reported
Contact Email:	Not reported

NEWBERG CITY OF WASTEWATER TREATMENT FAC (Continued) **1004581326**

Contact Title:	Not reported
EPA Region:	10
Land Type:	Municipal
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2301 WYNOOSKI RD
Mailing City,State,Zip:	NEWBERG, OR 97132
Owner Name:	NEWBERG, CITY OF
Owner Type:	Municipal
Operator Name:	CITY OF NEWBERG
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

NEWBERG CITY OF WASTEWATER TREATMENT FAC (Continued) **1004581326**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140602
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CITY OF NEWBERG
Legal Status:	Municipal
Date Became Current:	20000508
Date Ended Current:	Not reported
Owner/Operator Address:	2301 WYNOOSKI RD
Owner/Operator City,State,Zip:	NEWBERG, OR 97132-0970
Owner/Operator Telephone:	503-537-1211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEWBERG, CITY OF
Legal Status:	Municipal
Date Became Current:	20001103
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 970
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-1261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEWBERG, CITY OF
Legal Status:	Municipal
Date Became Current:	20021227
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 970
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-1261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEWBERG, CITY OF
Legal Status:	Municipal
Date Became Current:	20001103

NEWBERG CITY OF WASTEWATER TREATMENT FAC (Continued) **1004581326**

Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 970
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-1261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CITY OF NEWBERG
Legal Status:	Municipal
Date Became Current:	20000508
Date Ended Current:	Not reported
Owner/Operator Address:	2301 WYNOOSKI RD
Owner/Operator City,State,Zip:	NEWBERG, OR 97132-0970
Owner/Operator Telephone:	503-537-1211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CITY OF NEWBERG
Legal Status:	Municipal
Date Became Current:	20000508
Date Ended Current:	Not reported
Owner/Operator Address:	2301 WYNOOSKI RD
Owner/Operator City,State,Zip:	NEWBERG, OR 97132-0970
Owner/Operator Telephone:	503-537-1211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEWBERG, CITY OF
Legal Status:	Municipal
Date Became Current:	20020107
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 970
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-1261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	NEWBERG, CITY OF
Legal Status:	Municipal
Date Became Current:	20010112
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 970
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-537-1261
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NEWBERG CITY OF WASTEWATER TREATMENT FAC (Continued) **1004581326**

Historic Generators:

Receive Date:	20001103
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20010112
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020107
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20021227
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20041231
Handler Name:	NEWBERG CITY OF WASTEWATER TREATMENT FAC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported

NEWBERG CITY OF WASTEWATER TREATMENT FAC (Continued) **1004581326**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	22132
NAICS Description:	SEWAGE TREATMENT FACILITIES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E30 **NEWBERG WASTEWATER TREATMENT PLANT** **LUST** **U000431834**
SE **2301 WYNOOSKI RD** **UST** **N/A**
< 1/8 **NEWBERG, OR 97132** **AST**
0.030 mi. **SPILLS**
159 ft. **Site 3 of 3 in cluster E** **AIRS**
HSIS
Relative: **NPDES**
Higher

Actual: **166 ft.**

LUST:

Name:	CITY OF NEWBERG WWTP
Address:	2301 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-03-0882
Cleanup Received Date:	05/07/2003
Cleanup Start Date:	04/28/2003
Cleanup Complete Date:	**Not reported**
Decode for Region:	**West Region**

UST:

Name:	NEWBERG WASTEWATER TREATMENT PLANT
Address:	2301 WYNOOSKI RD
City:	NEWBERG
Facility ID:	8769
Facility Telephone:	(503) 538-9421
Permittee Name:	JOHN J RAINERI
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AST:

Name:	NEWBERG CITY OF
Address:	2301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Facility Id:	17505
Hazardous Substance:	BIODIESEL FUEL MIX (FP-9)
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Dan
Direct Site Phone:	5035371252
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	WASTE WATER TREATMENT
NAICS:	221320
Maximum Daily Amount Code:	21
Maximum Daily Amount Code Range:	5,000-9,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	Yes
Is Carcinogenicity:	Yes
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	Yes
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	No

Name:	NEWBERG CITY OF
Address:	2301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Facility Id:	17505
Hazardous Substance:	PROPANE
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Dan
Direct Site Phone:	5035371252
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	WASTE WATER TREATMENT
NAICS:	221320
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	No
Is Gas State:	Yes
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

Name:	NEWBERG CITY OF
Address:	2301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Facility Id:	17505
Hazardous Substance:	SODIUM HYPOCHLORITE SOLUTION
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Dan
Direct Site Phone:	5035371252
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	WASTE WATER TREATMENT
NAICS:	221320
Maximum Daily Amount Code:	21
Maximum Daily Amount Code Range:	5,000-9,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	Yes
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	No

OR SPILLS:

Name:	Not reported
Address:	2301 WYNOOSKI RD

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

City,State,Zip: NEWBERG, OR 97132
Facility ID: 2006-1338
Incident Status: Archive
Material: Not reported
Quantity: 1300000
Unit of Measure: Gallons
Release Date: 05/28/2006
Description: De-chlorination filter malfunction caused 1.3 million gallons of partially treated wastewater to enter the Willamette River in Newberg.
Lat/Long: 45.2858 / -122.9515
Source: Other
Media: Not reported
Responsible Company: City of Newberg
Responsible Address: 2301 NE Wynooski Rd
Responsible City,St,Zip: Newberg, OR 97132-7269

OR AIRS:

Name:	CITY OF NEWBERG
Address:	2301 WYNOOSKI ROAD
City,State,Zip:	NEWBERG, OR 97132
Year:	Not reported
Emission:	Not reported
Permit Number:	36-9504-SI-01
Permit Type:	Simple ACDP
Expiration Date:	04/01/2021
Source ID:	Not reported
Issue Date:	04/08/2016
NAICS Code:	325314
Is Primary:	Not reported
SIC Code:	2875
Is Primary:	Not reported
Latitude:	45.2858
Longitude:	-122.9525
Poll:	Not reported
Emission Source Code:	Not reported
Process Code:	Not reported
SCC:	Not reported
Emission Source Description:	Not reported
Process Description:	Not reported
Throughput:	Not reported
Process Unit:	Not reported
Throughput Type:	Not reported

HSIS:

Name:	NEWBERG CITY OF
Address:	2301 WYNOOSKI ST
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	017505
Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	Not reported
Contains 112R:	Not reported
Facility Has Written Emergency Plan:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Manager Name:	Not reported
Business Phone:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
No. of Employees:	Not reported
Day Phone:	Not reported
Placard:	Not reported
Fire Dept Code:	Not reported
FD:	Tualatin Valley F&R
Sprinkler System:	Not reported
Emergency Contact:	Not reported
Emergency Procedure:	Not reported
Business Type:	Not reported
Facility Type:	Government
Department:	PUBLIC WORKS - OPERATIONS
Status:	ACTIVE
Latitude:	45.2878
Longitude:	-122.954
Status TRI:	Active
Status RMP:	Inactive
Status PSM:	Active
Status CR2K:	Inactive
Status 302:	Active
Owner Name:	Joe Hannan
Last Reported ID:	36984
Case Number:	74986
Chemical Name:	PROPANE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/30/2017
Is Chem PSM:	No
Is Chem 112R:	Yes
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Gas
UNNA Number:	1978
NFPA Health:	2
NFPA Flammability:	4
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Physical Combustive
Number of Days Onsite:	365
Year:	2018
Case Number:	68476346
Chemical Name:	BIODIESEL FUEL MIX (FP-9)
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	21
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/16/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1993
NFPA Health:	1
NFPA Flammability:	2
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health Aspiration, Health Carcinogenicity, Health Respiratory, Health SkinCorrosion, Physical Combustive
Number of Days Onsite:	365
Year:	2018

Case Number:	7681529
Chemical Name:	SODIUM HYPOCHLORITE SOLUTION
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	21
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/28/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1791
NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	1
NFPA Special Notice:	N/A
Hazards:	Health Acute, Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	7681529
Chemical Name:	12.5% SODIUM HYPOCHLORITE SOLUTION
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	10
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/28/2018
Is Chem PSM:	No

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1791
NFPA Health:	2
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion, Health SpecificOrganToxicity, Physical Corrosive
Number of Days Onsite:	365
Year:	2018
Case Number:	Not reported
Chemical Name:	Not reported
EHS Name:	Not reported
Is Pure:	Not reported
Is Mix:	Not reported
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Unit:	Not reported
Chemical Added Date:	Not reported
Is Chem PSM:	Not reported
Is Chem 112R:	Not reported
Is Chem 302:	Not reported
Is Pesticide:	Not reported
Is Fertilizer:	Not reported
Physical State:	Not reported
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Not reported
Number of Days Onsite:	Not reported
Year:	Not reported

Chemical:

Chemical Name:	PROPANE
Physical Description:	GAS
Case Number:	74986
Facility Id:	017505
Physical State Of The Substance:	3
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	Not reported

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	PROPANE
United Nations/north America 4 Digit Class Number:	1075
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON SDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Flammable Gas
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.1
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	SODIUM CARBONATE
Physical Description:	LIQUID
Case Number:	497198
Facility Id:	017505
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	E
Description:	PLASTIC OR NON-METALLIC DRUM
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	SODIUM CARBONATE

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Reactive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	4.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	DIESEL FUEL
Physical Description:	LIQUID
Case Number:	0068334305
Facility Id:	017505
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	petroleum products, diesel oil
United Nations/north America 4 Digit Class Number:	1993
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

Hazard Class 3 Of The Chemical: Not reported

Additional Chemical:
Chemical Is A Toxic 313 Chemical: N
EPA Pesticide Registration Number: Not reported
Contains 112R: N
Contains EHS: N
Fertilizer: N
Pesticide: N
Contains 313: N

NPDES:
Name: NEWBERG - WYNOOSKI ROAD STP
Address: 2301 WYNOOSKI STREET
City,State,Zip: NEWBERG, OR 97132
WQ File Nbr: 102894
Legal Name: NEWBERG, CITY OF
Region: WR
Pri SIC: 4952
Latitude: 45.2864
Longitude: -122.9528
Category: STORMWATER
Permit Type: GEN12C
Permit Active: FALSE
Permit Description: Storm Water: Construction activities - 1 acre or more
Expiration Date: 11/30/2015
EPA Number: ORR10D589
UIC Facility: FALSE
Admin Agent: Salem Office
Last Action Date: 12/04/2015
Permit Writer: Jacobsen, Kathy
Compliance Inspector: Sewell, Kristy
DMR Reviewer: Sewell, Kristy
Application Number: 963284
Class: N/A
Start Date: 12/02/2013
Region Decode: West Region
Ownership: LOCAL GOVT
Permit Group: NPDES General Permit - Industrial storm water discharges
EPA Class: MINOR
Permit Number: 29917

Name: NEWBERG - WYNOOSKI ROAD STP
Address: 2301 WYNOOSKI STREET
City,State,Zip: NEWBERG, OR 97132
WQ File Nbr: 102894
Legal Name: NEWBERG, CITY OF
Region: WR
Pri SIC: 4952
Latitude: 45.2864
Longitude: -122.9528
Category: STORMWATER
Permit Type: GEN12S
Permit Active: FALSE
Permit Description: Industrial storm water - STP sites
Expiration Date: 09/30/1996

NEWBERG WASTEWATER TREATMENT PLANT (Continued) **U000431834**

EPA Number: ORR901332
UIC Facility: FALSE
Admin Agent: Salem Office
Last Action Date: 07/16/1993
Permit Writer: Kennedy, Paul
Compliance Inspector: Mcfetridge, Timothy
DMR Reviewer: Mcfetridge, Timothy
Application Number: 996914
Class: MINOR
Start Date: 10/23/1992
Region Decode: West Region
Ownership: LOCAL GOVT
Permit Group: NPDES General Permit - Industrial storm water discharges
EPA Class: MINOR
Permit Number: 11423

Name: NEWBERG - WYNOOSKI ROAD STP
Address: 2301 WYNOOSKI STREET
City,State,Zip: NEWBERG, OR 97132
WQ File Nbr: 102894
Legal Name: NEWBERG, CITY OF
Region: WR
Pri SIC: 4952
Latitude: 45.2864
Longitude: -122.9528
Category: DOMESTIC
Permit Type: NPDES-DOM-C1a
Permit Active: TRUE
Permit Description: Sewage disposal - At least 2 MGD but less than 5 MGD.
Expiration Date: 05/31/2009
EPA Number: OR0032352
UIC Facility: FALSE
Admin Agent: Salem Office
Last Action Date: 11/24/2008
Permit Writer: Dicksa, Robert
Compliance Inspector: Ullrich, E
DMR Reviewer: Ullrich, E
Application Number: 999206
Class: Tier1
Start Date: 09/30/1992
Region Decode: West Region
Ownership: LOCAL GOVT
Permit Group: Individual NPDES - Domestic wastewater treatment facilities
EPA Class: MAJOR
Permit Number: 100988

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31 **GLACIER NORTHWEST INC. DBA CALPORTLAND** **AST** **S120847840**
ESE **2808 NE WYNOOSKI RD** **HSIS** **N/A**
< 1/8 **NEWBERG, OR 97132**
0.037 mi.
194 ft.

Relative:
Higher

Actual:
165 ft.

AST:
Name: GLACIER NORTHWEST INC. DBA CALPORTLAND
Address: 2808 NE WYNOOSKI RD
City,State,Zip: NEWBERG, OR 97132
Facility Id: 121799
Hazardous Substance: WRDA-64

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	DARACEM 55

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	ECLIPSE FLOOR 200

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	CALCIUM CHLORIDE

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	ADVA FLEX

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	DARASET 400

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	RECOVER

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	MBAE 90

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	ECLIPSE 4500

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	1,000-4,999
Quantity Units:	GALLONS
Physical State:	LIQUID
Storage 1:	ABOVEGROUND TANK
County:	Not reported
Owner-Operator Name:	Not reported
Direct Site Phone:	Not reported
Report Class:	Not reported
Report Year:	Not reported
Is Poisonous Gas:	Not reported
Is Poisonous Material:	Not reported
Is Biological Hazard:	Not reported
Is Radioactive Material:	Not reported
Is Explosive:	Not reported
Status:	Inactive
Nature of Business:	Not reported
NAICS:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Code Range:	Not reported
Maximum Daily Amount Unit:	Not reported
Is Solid State:	Not reported
Is Liquid State:	Not reported
Is Gas State:	Not reported
Is Combustible Dust:	Not reported
Is Fire Hazard:	Not reported
Is Sudden Release of Pressure Hazard:	Not reported
Is Reactive Hazard:	Not reported
Is Immediate Hazard:	Not reported
Is Delayed Hazard:	Not reported
Is Corrosive to Metal:	Not reported
Is Flammable:	Not reported
Is Gas under Pressure:	Not reported
Is Physical HNOC:	Not reported
Is Emission of Gas With Water:	Not reported
Is Organic peroxide:	Not reported
Is Oxidizer:	Not reported
Is Pyrophoric liquid or solid:	Not reported
Is Pyrophoric gas:	Not reported
Is Self-heating:	Not reported
Is Self-reactive:	Not reported
Is Acute toxicity:	Not reported
Is Aspiration hazard:	Not reported
Is Carcinogenicity:	Not reported
Is Germ cell mutagenicity:	Not reported
Is Health HNOC:	Not reported
Is Reproductive toxicity:	Not reported
Is Respiratory or skin sensitization:	Not reported
Is Serious eye damage or eye irritation:	Not reported
Is Simple asphyxiant:	Not reported
Is Skin corrosion or irritation:	Not reported
Is Specific target organ toxicity:	Not reported

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	MASTERCOLOR 40 YELLOW

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Nick
Direct Site Phone:	5037162530
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	READY MIXED CONCRETE PRODUCTION
NAICS:	327320
Maximum Daily Amount Code:	11
Maximum Daily Amount Code Range:	500-999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	Yes
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	121799
Hazardous Substance:	ZYLA 630 GCP APPLIED TECHNOLOGIES

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Nick
Direct Site Phone:	5037162530
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	READY MIXED CONCRETE PRODUCTION
NAICS:	327320
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	No

HSIS:

Name:	GLACIER NORTHWEST INC. DBA CALPORTLAND
Address:	2808 NE WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	121799

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	Not reported
Contains 112R:	Not reported
Facility Has Written Emergency Plan:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
Manager Name:	Not reported
Business Phone:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
No. of Employees:	Not reported
Day Phone:	Not reported
Placard:	Not reported
Fire Dept Code:	Not reported
FD:	YAMHILL FPD
Sprinkler System:	Not reported
Emergency Contact:	Not reported
Emergency Procedure:	Not reported
Business Type:	Not reported
Facility Type:	Private
Department:	NEWBERG READY MIX
Status:	ACTIVE
Latitude:	45.2855
Longitude:	-122.95
Status TRI:	Inactive
Status RMP:	Active
Status PSM:	Active
Status CR2K:	Inactive
Status 302:	Active
Owner Name:	Jim McNassar
Last Reported ID:	36441
Case Number:	N/A
Chemical Name:	HYDROCHLORIC ACID
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	HYDROGEN CHLORIDE
Maximum Daily Amount Code:	11
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1789
NFPA Health:	3
NFPA Flammability:	0
NFPA Reactivity:	1
NFPA Special Notice:	Not reported
Hazards:	Health Acute, Health SkinCorrosion

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Number of Days Onsite:	365
Year:	2018
Case Number:	N/A
Chemical Name:	MBAE 90
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018
Case Number:	828002
Chemical Name:	RECOVER
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	Not reported
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018
Case Number:	102716
Chemical Name:	WRDA-64
EHS Name:	Not reported
Is Pure:	No

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	1305788
Chemical Name:	SLAG CEMENT
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	40
Maximum Daily Amount Unit:	lbs
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Solid
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Health Acute, Health Carcinogenicity, Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	10124375
Chemical Name:	DARASET 400
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	0
NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018
Case Number:	107415
Chemical Name:	ECLIPSE 4500
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	0
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018
Case Number:	26172554
Chemical Name:	ADVA FLEX
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	0

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

NFPA Health:	0
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	10043524
Chemical Name:	CALCIUM CHLORIDE
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	107415
Chemical Name:	ECLIPSE FLOOR 200
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	Not reported
NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Case Number:	9003070
Chemical Name:	MASTERFIBER M70
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	11
Maximum Daily Amount Unit:	lbs
Chemical Added Date:	07/20/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Solid
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Physical Combustive
Number of Days Onsite:	365
Year:	2018

Chemical:

Chemical Name:	MBAE 90
Physical Description:	LIQUID
Case Number:	Not reported
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	ROSIN SOAP
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Name:	RECOVER
Physical Description:	LIQUID
Case Number:	828002
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	DIMETHOXANE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N
Chemical Name:	WRDA-64
Physical Description:	LIQUID
Case Number:	102716

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	TRIETHANOLAMINE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Y
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

Chemical Name:	SLAG CEMENT
Physical Description:	SOLID
Case Number:	1305788
Facility Id:	121799
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	31
Maximum Amount Possessed During The Year Code:	40
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	H
Description:	SILO
Type Code:	Not reported
Temperature Description:	Not reported

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	100,000-249,999
Description Of The Avg Qnty Code:	50,000-99,999
Most Hazardous Ingridient:	CALCIUM OXIDE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	DARASET 400
Physical Description:	LIQUID
Case Number:	10124375
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	CALCIUM NITRATE
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Reactive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	4.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	Y

Chemical Name:	ECLIPSE 4500
Physical Description:	LIQUID
Case Number:	107415
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	HEXYLENE GLYCOL
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Not reported

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	ADVA FLEX
Physical Description:	LIQUID
Case Number:	26172554
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Combustible Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	4.5
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	CALCIUM CHLORIDE
Physical Description:	LIQUID
Case Number:	10043524
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	CALCIUM CHLORIDE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	ECLIPSE FLOOR 200
Physical Description:	LIQUID
Case Number:	0000107415
Facility Id:	121799
Physical State Of The Substance:	2

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	HEXYLENE GLYCOL
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

Chemical Name:	MASTERFIBER M70
Physical Description:	SOLID
Case Number:	0009003070
Facility Id:	121799
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	J
Description:	BAG
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	POLYPROPYLENE
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	1
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Miscellaneous Hazardous Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	9.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	CEMENT
Physical Description:	SOLID
Case Number:	65997151
Facility Id:	121799
Physical State Of The Substance:	1
Average Amount Possessed During The Year Code:	40
Maximum Amount Possessed During The Year Code:	40
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	H
Description:	SILO
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	100,000-249,999
Description Of The Avg Qnty Code:	100,000-249,999

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Most Hazardous Ingridient:	PORTLAND CEMENT
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	4
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	DARACEM 55
Physical Description:	LIQUID
Case Number:	10124375
Facility Id:	121799
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	CALCIUM NITRATE
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Combustible Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3

GLACIER NORTHWEST INC. DBA CALPORTLAND (Continued) **S120847840**

Hazard Class 2 Of The Chemical:	4.5
Hazard Class 3 Of The Chemical:	Not reported
Additional Chemical:	
Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	Y

Click this hyperlink while viewing on your computer to access
4 additional OR HSIS: record(s) in the EDR Site Report.

F32 **NEWBERG TRANSFER STATION** **SWF/LF** **S104059553**
SE **2904 WYNOOSKI RD.** **AST** **N/A**
< 1/8 **NEWBERG, OR 97132** **HSIS**
0.078 mi. **NPDES**
411 ft. **Site 1 of 3 in cluster F**

Relative:
Lower

Actual:
139 ft.

LF:

Name:	NEWBERG TRANSFER AND RECYCLING CENTER
Address:	2904 WYNOOSKI RD.
Address 2:	Not reported
City,State,Zip:	NEWBERG, OR 97132
Permit Number:	366
Facility Id:	104217
Facility Telephone:	(503) 462-0508
Facility Telephone 2:	Not reported
Lat/Long:	45.2851 / -122.9486
Solid Waste Class:	Municipal
Solid Waste Type:	Transfer
Date Opened:	10/24/1984
End Date:	Not reported
Date Closed:	Not reported
Permit Status:	Active
Organization:	Waste Management of Oregon, Inc.
Contact Name:	David Huber
Affil Start Date:	07/22/2015
Mailing Address:	PO Box 1000
Mailing City:	Newberg
Mailing State:	OR
Mailing Zip:	97132-8000

AST:

Name:	WASTE MANAGEMENT NEWBERG OPERATIONS
Address:	2904 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	33842
Hazardous Substance:	HYDRAULIC OIL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Adam

NEWBERG TRANSFER STATION (Continued) **S104059553**

Direct Site Phone:	5034620508
Report Class:	Annual(Revision)
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	SOLID WASTE & RECYCLING COLLECTION
NAICS:	562111
Maximum Daily Amount Code:	10
Maximum Daily Amount Code Range:	200-499
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	Yes
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	Yes
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

Name:	WASTE MANAGEMENT NEWBERG OPERATIONS
Address:	2904 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	33842
Hazardous Substance:	MOTOR OIL 15W40
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Adam

NEWBERG TRANSFER STATION (Continued) **S104059553**

Direct Site Phone:	5034620508
Report Class:	Annual(Revision)
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	SOLID WASTE & RECYCLING COLLECTION
NAICS:	562111
Maximum Daily Amount Code:	10
Maximum Daily Amount Code Range:	200-499
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	Yes
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	Yes
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

Name:	WASTE MANAGEMENT NEWBERG OPERATIONS
Address:	2904 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	33842
Hazardous Substance:	USED OIL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Adam

NEWBERG TRANSFER STATION (Continued) **S104059553**

Direct Site Phone:	5034620508
Report Class:	Annual(Revision)
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	SOLID WASTE & RECYCLING COLLECTION
NAICS:	562111
Maximum Daily Amount Code:	11
Maximum Daily Amount Code Range:	500-999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	Yes
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	Yes
Is Germ cell mutagenicity:	Yes
Is Health HNOC:	No
Is Reproductive toxicity:	Yes
Is Respiratory or skin sensitization:	Yes
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	Yes

HSIS:

Name:	WASTE MANAGEMENT NEWBERG OPERATIONS
Address:	2904 WYNOOSKI RD
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	033842
Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	Not reported
Contains 112R:	Not reported
Facility Has Written Emergency Plan:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

NEWBERG TRANSFER STATION (Continued) **S104059553**

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
Manager Name:	Not reported
Business Phone:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
No. of Employees:	Not reported
Day Phone:	Not reported
Placard:	Not reported
Fire Dept Code:	Not reported
FD:	Tualatin Valley F&R
Sprinkler System:	Not reported
Emergency Contact:	Not reported
Emergency Procedure:	Not reported
Business Type:	Not reported
Facility Type:	Private
Department:	Not reported
Status:	ACTIVE
Latitude:	45.286
Longitude:	-122.946
Status TRI:	Active
Status RMP:	Active
Status PSM:	Active
Status CR2K:	Inactive
Status 302:	Active
Owner Name:	ADAM WINSTON
Last Reported ID:	50273
Case Number:	N/A
Chemical Name:	WASTE LEAD ACID BATTERIES
EHS Name:	SULFURIC ACID
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	SULFURIC ACID
Maximum Daily Amount Code:	10
Maximum Daily Amount Unit:	lbs
Chemical Added Date:	08/27/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Solid
UNNA Number:	2794
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion, Health SpecificOrganToxicity, Physical Corrosive
Number of Days Onsite:	365
Year:	2019
Case Number:	70514124
Chemical Name:	USED OIL

NEWBERG TRANSFER STATION (Continued) **S104059553**

EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/23/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health Carcinogenicity, Health Germ, Health ReproductiveToxicity, Health Respiratory, Health SeriousEye, Health SkinCorrosion, Health SpecificOrganToxicity, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	74862
Chemical Name:	ACETYLENE
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	11
Maximum Daily Amount Unit:	cuft
Chemical Added Date:	08/28/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Gas
UNNA Number:	1001
NFPA Health:	0
NFPA Flammability:	4
NFPA Reactivity:	3
NFPA Special Notice:	N/A
Hazards:	Health SpecificOrganToxicity, Physical Combustive, Physical Flammable
Number of Days Onsite:	365
Year:	2019
Case Number:	107211
Chemical Name:	USED ANTIFREEZE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported

NEWBERG TRANSFER STATION (Continued) **S104059553**

Maximum Daily Amount Code:	4
Maximum Daily Amount Unit:	gal
Chemical Added Date:	01/17/2020
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	0
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	Not reported
Hazards:	Health HNOC, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	107211
Chemical Name:	ANTIFREEZE COOLANT 50/50
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	4
Maximum Daily Amount Unit:	gal
Chemical Added Date:	01/17/2020
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	2
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health Acute, Health SeriousEye, Health SkinCorrosion, Health SpecificOrganToxicity, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	64742547
Chemical Name:	HYDRAULIC OIL
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	10
Maximum Daily Amount Unit:	gal
Chemical Added Date:	01/17/2020
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No

NEWBERG TRANSFER STATION (Continued) **S104059553**

Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1270
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health HNOC, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	64742650
Chemical Name:	MOTOR OIL 15W40
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	10
Maximum Daily Amount Unit:	gal
Chemical Added Date:	01/17/2020
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health HNOC, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	74986
Chemical Name:	ODORIZED PROPANE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	4
Maximum Daily Amount Unit:	cuft
Chemical Added Date:	08/28/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Gas
UNNA Number:	1075
NFPA Health:	1
NFPA Flammability:	4
NFPA Reactivity:	0

NEWBERG TRANSFER STATION (Continued) **S104059553**

NFPA Special Notice:	N/A
Hazards:	Physical Combustive, Physical Flammable
Number of Days Onsite:	365
Year:	2019
Case Number:	64742650
Chemical Name:	SYNTHETIC GEAR OIL
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	4
Maximum Daily Amount Unit:	gal
Chemical Added Date:	01/17/2020
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Health HNOC, Physical HNOC
Number of Days Onsite:	365
Year:	2019
Case Number:	N/A
Chemical Name:	WASTE TIRES
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	lbs
Chemical Added Date:	08/27/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Solid
UNNA Number:	N/A
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health HNOC, Physical Combustive
Number of Days Onsite:	365
Year:	2019
Case Number:	7782447
Chemical Name:	OXYGEN/NITROGEN

NEWBERG TRANSFER STATION (Continued) **S104059553**

EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	cuft
Chemical Added Date:	08/28/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Gas
UNNA Number:	1956
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	OX
Hazards:	Physical Oxidizer
Number of Days Onsite:	365
Year:	2019

Chemical:

Chemical Name:	USED MOTOR OIL
Physical Description:	LIQUID
Case Number:	000000
Facility Id:	033842
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	PETROLEUM HYDROCARBONS
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Chronic Health Hazard

NEWBERG TRANSFER STATION (Continued) **S104059553**

Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	N
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

Click this hyperlink while viewing on your computer to access
8 additional OR HSIS: record(s) in the EDR Site Report.

NPDES:

Name:	NEWBERG TRANSFER STATION
Address:	2904 WYNOOSKI RD.
City,State,Zip:	NEWBERG, OR 97132
WQ File Nbr:	115992
Legal Name:	WASTE MANAGEMENT OF OREGON, INC.
Region:	WR
Pri SIC:	4212
Latitude:	45.2851
Longitude:	-122.9486
Category:	STORMWATER
Permit Type:	GEN12Z
Permit Active:	TRUE
Permit Description:	Industrial storm water
Expiration Date:	07/31/2022
EPA Number:	ORR706056
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	08/17/2017
Permit Writer:	Seale, Jill
Compliance Inspector:	Seale, Jill
DMR Reviewer:	Seale, Jill
Application Number:	977271
Class:	N/A
Start Date:	09/01/2006
Region Decode:	West Region
Ownership:	PRIVATE
Permit Group:	NPDES General Permit - Industrial storm water discharges
EPA Class:	MINOR
Permit Number:	21459

F33 **WM OF OR NEWBERG TRANSFER STATION** **RCRA-VSQG** **1025505041**
SE **2904 NE WYNOOSKI RD** **ORQ000038240**
< 1/8 **NEWBERG, OR 97132**
0.078 mi.
411 ft. **Site 2 of 3 in cluster F**

Relative: **Lower**
Actual: **139 ft.**

RCRA-VSQG:

Date Form Received by Agency:	20190528
Handler Name:	WM OF OR NEWBERG TRANSFER STATION
Handler Address:	2904 NE WYNOOSKI RD
Handler City,State,Zip:	NEWBERG, OR 97132
EPA ID:	ORQ000038240
Contact Name:	DAVE HUBER
Contact Address:	2904 NES WYNOOSKI ST
Contact City,State,Zip:	NEWBERG, OR 97132
Contact Telephone:	503-462-0502
Contact Fax:	Not reported
Contact Email:	DHUBER@WM.COM
Contact Title:	Not reported
EPA Region:	10
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 1000
Mailing City,State,Zip:	NEWBERG, OR 97132
Owner Name:	WASTE MANAGEMENT OF OREGON
Owner Type:	Private
Operator Name:	WASTE MANAGEMENT OF OREGON
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

WM OF OR NEWBERG TRANSFER STATION (Continued) **1025505041**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190626
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WASTE MANAGEMENT OF OREGON
Legal Status:	Private
Date Became Current:	20190528
Date Ended Current:	Not reported
Owner/Operator Address:	7227 NE 55TH AVE
Owner/Operator City,State,Zip:	PORTLAND, OR 97218
Owner/Operator Telephone:	503-462-0502
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	WASTE MANAGEMENT OF OREGON
Legal Status:	Private
Date Became Current:	20190528
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1000
Owner/Operator City,State,Zip:	NEWBERG, OR 97132
Owner/Operator Telephone:	503-462-0508
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

WM OF OR NEWBERG TRANSFER STATION (Continued) **1025505041**

Historic Generators:
- Receive Date: 20190528
- Handler Name: WM OF OR NEWBERG TRANSFER STATION
- Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 562920
- NAICS Description: MATERIALS RECOVERY FACILITIES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

F34 **NEWBERG GARBAGE SERVICE INC** **UST** **U000431831**
SE **2904 S WYNOOSKI RD** **N/A**
< 1/8 **NEWBERG, OR 97132**
0.078 mi.
411 ft. **Site 3 of 3 in cluster F**

Relative: **Lower**
Actual: **139 ft.**

UST:
- Name: NEWBERG GARBAGE SERVICE INC
- Address: 2904 S WYNOOSKI RD
- City: NEWBERG
- Facility ID: 5431
- Facility Telephone: (503) 538-1388
- Permittee Name: MERLIN LAJOIE
- Number of Permitted Tanks: Not reported
- Active Tanks: Not reported
- Decommissioned Tanks: 2
- Number of Tanks: 2

G35 **THE FIRST STUDENT BUS COMPANY** **RCRA NonGen / NLR** **1015749139**
NNE **1000 COMMERCE PKWY** **ORSTATE07880**
1/8-1/4 **NEWBURG, OR 97132**
0.156 mi.
825 ft. **Site 1 of 3 in cluster G**

Relative: **Higher**
Actual: **166 ft.**

RCRA NonGen / NLR:
- Date Form Received by Agency: 20090309
- Handler Name: THE FIRST STUDENT BUS COMPANY
- Handler Address: 1000 COMMERCE PKWY
- Handler City,State,Zip: NEWBURG, OR 97132-7522

THE FIRST STUDENT BUS COMPANY (Continued) **1015749139**

EPA ID:	ORSTATE07880
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	10
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

THE FIRST STUDENT BUS COMPANY (Continued) **1015749139**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20140602
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20090309
Handler Name:	THE FIRST STUDENT BUS COMPANY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

THE FIRST STUDENT BUS COMPANY (Continued) **1015749139**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20090309
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ORAMN
Evaluation Responsible Sub-Organization:	WR
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

G36 **FIRST STUDENT, INC. #10457** **AST S123272702**
NNE **1000 COMMERCE PARKWAY PKWY** **HSIS N/A**
1/8-1/4 **NEWBERG, OR 97132**
0.156 mi.
825 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
166 ft.

AST:

Name:	FIRST STUDENT, INC. #10457
Address:	1000 COMMERCE PARKWAY PKWY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	23894
Hazardous Substance:	DIESEL FUEL 2
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	First
Direct Site Phone:	5035388365

FIRST STUDENT, INC. #10457 (Continued) **S123272702**

Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	School and Employee Bus Transportation
NAICS:	485410
Maximum Daily Amount Code:	21
Maximum Daily Amount Code Range:	5,000-9,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	Yes
Is Aspiration hazard:	Yes
Is Carcinogenicity:	Yes
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	Yes

HSIS:

Name:	FIRST STUDENT, INC. #10457
Address:	1000 COMMERCE PARKWAY PKWY
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	023894
Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	Not reported
Contains 112R:	Not reported
Facility Has Written Emergency Plan:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

FIRST STUDENT, INC. #10457 (Continued) **S123272702**

NAICS Desc 2:	Not reported
Manager Name:	Not reported
Business Phone:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
No. of Employees:	Not reported
Day Phone:	Not reported
Placard:	Not reported
Fire Dept Code:	Not reported
FD:	NEWBERG FD
Sprinkler System:	Not reported
Emergency Contact:	Not reported
Emergency Procedure:	Not reported
Business Type:	Not reported
Facility Type:	Private
Department:	Not reported
Status:	ACTIVE
Latitude:	45.2918
Longitude:	-122.953
Status TRI:	Active
Status RMP:	Active
Status PSM:	Active
Status CR2K:	Inactive
Status 302:	Active
Owner Name:	First Student
Last Reported ID:	33312
Case Number:	68476346
Chemical Name:	DIESEL FUEL 2
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	21
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/19/2018
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1993
NFPA Health:	2
NFPA Flammability:	2
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health Acute, Health Aspiration, Health Carcinogenicity, Health SkinCorrosion, Health SpecificOrganToxicity, Physical Combustive
Number of Days Onsite:	365
Year:	2018

Chemical:

Chemical Name:	DIESEL FUEL
Physical Description:	LIQUID

FIRST STUDENT, INC. #10457 (Continued) **S123272702**

Case Number:	0068334305
Facility Id:	023894
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	petroleum products, diesel oil
United Nations/north America 4 Digit Class Number:	1993
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

G37 **WESTERN HELICOPTER SERVICES INC** **LUST U000439137**
NNE **1055 COMMERCE PARKWAY** **UST N/A**
1/8-1/4 **NEWBERG, OR 97132** **AST**
0.167 mi. **HSIS**
884 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
167 ft.

LUST:

Name:	WESTERN HELICOPTER
Address:	1055 COMMERCE PKWY
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-91-4242

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Cleanup Received Date: 08/16/1991
Cleanup Start Date: 08/16/1991
Cleanup Complete Date: 08/22/2013
Decode for Region: West Region

UST:

Name:	WESTERN HELICOPTER SERVICES INC
Address:	1055 COMMERCE PARKWAY
City:	NEWBERG
Facility ID:	4112
Facility Telephone:	(503) 538-9469
Permittee Name:	NORMAN S PARKER, PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	3
Number of Tanks:	3

AST:

Name:	WESTERN HELICOPTERS SVC
Address:	1055 COMMERCE PKWY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	8760
Hazardous Substance:	JET A FUEL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Paul
Direct Site Phone:	5035389469
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	HELICOPTER FLIGHT SVC FOR TIMBER INDUSTRY
NAICS:	"115310,488119"
Maximum Daily Amount Code:	30
Maximum Daily Amount Code Range:	10,000-49,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	Yes
Is Specific target organ toxicity:	No

Name:	WESTERN HELICOPTERS SVC
Address:	1055 COMMERCE PKWY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	8760
Hazardous Substance:	MOTOR OIL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	Paul
Direct Site Phone:	5035389469
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	HELICOPTER FLIGHT SVC FOR TIMBER INDUSTRY
NAICS:	"115310,488119"
Maximum Daily Amount Code:	11
Maximum Daily Amount Code Range:	500-999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	Yes
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

HSIS:

Name:	WESTERN HELICOPTERS SVC
Address:	1055 COMMERCE PKWY
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	008760
Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	Not reported
Contains 112R:	Not reported
Facility Has Written Emergency Plan:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
Manager Name:	Not reported
Business Phone:	Not reported
Mailing Address:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
No. of Employees:	Not reported
Day Phone:	Not reported
Placard:	Not reported
Fire Dept Code:	Not reported
FD:	NEWBERG FD
Sprinkler System:	Not reported
Emergency Contact:	Not reported
Emergency Procedure:	Not reported
Business Type:	Not reported
Facility Type:	Private
Department:	Not reported
Status:	ACTIVE
Latitude:	45.2913
Longitude:	-122.954
Status TRI:	Active
Status RMP:	Active
Status PSM:	Active
Status CR2K:	Inactive
Status 302:	Active

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Owner Name:	Paul Washburn
Last Reported ID:	50498
Case Number:	8008206
Chemical Name:	JET A FUEL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	30
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/18/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1863
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2019

Case Number:	64742547
Chemical Name:	MOTOR OIL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	11
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/18/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	1
NFPA Flammability:	2
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye
Number of Days Onsite:	365
Year:	2019

Case Number:	Not reported
Chemical Name:	Not reported
EHS Name:	Not reported
Is Pure:	Not reported
Is Mix:	Not reported

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Unit:	Not reported
Chemical Added Date:	Not reported
Is Chem PSM:	Not reported
Is Chem 112R:	Not reported
Is Chem 302:	Not reported
Is Pesticide:	Not reported
Is Fertilizer:	Not reported
Physical State:	Not reported
UNNA Number:	Not reported
NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Not reported
Number of Days Onsite:	Not reported
Year:	Not reported

Case Number:	8008206
Chemical Name:	JET A FUEL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	30
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/18/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1863
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye, Health SkinCorrosion
Number of Days Onsite:	365
Year:	2018

Case Number:	64742547
Chemical Name:	MOTOR OIL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	11
Maximum Daily Amount Unit:	gal
Chemical Added Date:	07/18/2017
Is Chem PSM:	No
Is Chem 112R:	No

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	1
NFPA Flammability:	2
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health SeriousEye
Number of Days Onsite:	365
Year:	2018

Chemical:

Chemical Name:	JET A FUEL
Physical Description:	LIQUID
Case Number:	8008206
Facility Id:	008760
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	21
Maximum Amount Possessed During The Year Code:	30
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	5,000-9,999
Most Hazardous Ingridient:	KEROSENE
United Nations/north America 4 Digit Class Number:	1863
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	6.4

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N

WESTERN HELICOPTER SERVICES INC (Continued) **U000439137**

Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	MOTOR OIL
Physical Description:	LIQUID
Case Number:	64742547
Facility Id:	008760
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	PETROLEUM HYDROCARBONS
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	N
Pesticide:	N
Contains 313:	Not reported

H38 **HEATING OIL TANK** **LUST** **S104908338**
WNW **1006 S COLLEGE ST** **N/A**
1/8-1/4 **NEWBERG, OR 97132**
0.220 mi.
1163 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
161 ft.

LUST:

Name:	HEATING OIL TANK
Address:	1006 S COLLEGE ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-01-5065
Cleanup Received Date:	01/11/2001
Cleanup Start Date:	01/10/2001
Cleanup Complete Date:	**02/21/2001**
Decode for Region:	**West Region**

H39 **HEATING OIL TANK** **LUST** **S116760870**
WNW **914 S COLLEGE ST** **N/A**
1/8-1/4 **NEWBERG, OR 97132**
0.227 mi.
1201 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
163 ft.

LUST:

Name:	HEATING OIL TANK
Address:	914 S COLLEGE ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-14-0810
Cleanup Received Date:	06/23/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/02/2015**
Decode for Region:	**West Region**

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40 **TYLER AUTOMOTIVE** **RCRA NonGen / NLR** **1015749081**
East **3215 S. WYNOOSKI RD** **ORSTATE07674**
1/8-1/4 **NEWBERG, OR 97132**
0.247 mi.
1304 ft.

Relative:
Higher

Actual:
174 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20080820
Handler Name:	TYLER AUTOMOTIVE	
Handler Address:		3215 S. WYNOOSKI RD
Handler City,State,Zip:		NEWBERG, OR 97132
EPA ID:		ORSTATE07674
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		10
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported

TYLER AUTOMOTIVE (Continued) **1015749081**

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

TYLER AUTOMOTIVE (Continued) **1015749081**

Handler Date of Last Change:	20140602
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	20080820
Handler Name: TYLER AUTOMOTIVE	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported

TYLER AUTOMOTIVE (Continued) **1015749081**

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20080407
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE ASSISTANCE VISIT
Evaluation Responsible Person Identifier:	ORRCG
Evaluation Responsible Sub-Organization:	WR
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

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41 **HEATING OIL TANK** **LUST** **S103422537**
NW **708 S CHEHALUM ST** **N/A**
1/4-1/2 **NEWBERG, OR 97132**
0.277 mi.
1464 ft.

Relative: LUST:
Higher
Actual: Name: HEATING OIL TANK
167 ft. Address: 708 S CHEHALUM ST
City,State,Zip: NEWBERG, OR 97132
Region: Western Region
Facility ID: 36-94-5262
Cleanup Received Date: 12/19/1994
Cleanup Start Date: 03/05/1998
Cleanup Complete Date: 07/11/2001
Decode for Region: West Region

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42 **HEATING OIL TANK** **LUST** **S117365631**
West **1609 NE WATERFRONT ST** **N/A**
1/4-1/2 **NEWBERG, OR 97132**
0.285 mi.
1506 ft.

Relative: LUST:
Higher
Actual: Name: HEATING OIL TANK
164 ft. Address: 1609 NE WATERFRONT ST
City,State,Zip: NEWBERG, OR 97132
Region: Western Region
Facility ID: 36-14-1060
Cleanup Received Date: 08/06/2014
Cleanup Start Date: Not reported

HEATING OIL TANK (Continued) **S117365631**

Cleanup Complete Date: **02/25/2015**
Decode for Region: **West Region**

43
WNW
1/4-1/2
0.292 mi.
1542 ft.

HEATING OIL TANK
820 S COLLEGE ST
NEWBERG, OR 97132

LUST **S103422538**
N/A

Relative:
Higher

Actual:
166 ft.

LUST:

Name:	HEATING OIL TANK
Address:	820 S COLLEGE ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-94-5265
Cleanup Received Date:	12/20/1994
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**West Region**

I44
NW
1/4-1/2
0.302 mi.
1595 ft.

HEATING OIL TANK
1415 E 7TH ST
NEWBERG, OR 97132

Site 1 of 2 in cluster I

LUST **S108987440**
N/A

Relative:
Higher

Actual:
166 ft.

LUST:

Name:	HEATING OIL TANK
Address:	1415 E 7TH ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-07-1879
Cleanup Received Date:	12/20/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/27/2008**
Decode for Region:	**West Region**

45
North
1/4-1/2
0.305 mi.
1613 ft.

SPORTSMAN AIRPARK
504 S AIRPARK WAY
NEWBERG, OR 97132

LUST **S102778254**
AST **N/A**
HSIS

Relative:
Higher

Actual:
165 ft.

LUST:

Name:	SPORTSMAN AIRPARK
Address:	504 S AIRPARK WAY
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-97-4149
Cleanup Received Date:	09/29/1997
Cleanup Start Date:	09/29/1997
Cleanup Complete Date:	**01/25/2006**
Decode for Region:	**West Region**

SPORTSMAN AIRPARK (Continued) **S102778254**

AST:

Name:	SPORTSMAN AIRPARK INC
Address:	504 S AIRPARK WAY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	12769
Hazardous Substance:	AVIATION FUEL 100LL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	JERRY
Direct Site Phone:	5035382134
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	AVIATION-FIXED BASE OPERATION
NAICS:	"488119,488190"
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	Yes
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

SPORTSMAN AIRPARK (Continued) **S102778254**

Name:	SPORTSMAN AIRPARK INC
Address:	504 S AIRPARK WAY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	12769
Hazardous Substance:	PROPANE
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	JERRY
Direct Site Phone:	5035382134
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	AVIATION-FIXED BASE OPERATION
NAICS:	"488119,488190"
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	Yes
Is Gas under Pressure:	Yes
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	No
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

SPORTSMAN AIRPARK (Continued) **S102778254**

Name:	SPORTSMAN AIRPARK INC
Address:	504 S AIRPARK WAY
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	12769
Hazardous Substance:	WASTE OIL
Reporting Quantities:	Not reported
Quantity Units:	Not reported
Physical State:	Not reported
Storage 1:	Above ground tank
County:	YAMHILL
Owner-Operator Name:	JERRY
Direct Site Phone:	5035382134
Report Class:	Annual
Report Year:	2020
Is Poisonous Gas:	No
Is Poisonous Material:	No
Is Biological Hazard:	No
Is Radioactive Material:	No
Is Explosive:	No
Status:	Not reported
Nature of Business:	AVIATION-FIXED BASE OPERATION
NAICS:	"488119,488190"
Maximum Daily Amount Code:	20
Maximum Daily Amount Code Range:	1,000-4,999
Maximum Daily Amount Unit:	gal
Is Solid State:	No
Is Liquid State:	Yes
Is Gas State:	No
Is Combustible Dust:	No
Is Fire Hazard:	No
Is Sudden Release of Pressure Hazard:	No
Is Reactive Hazard:	No
Is Immediate Hazard:	No
Is Delayed Hazard:	No
Is Corrosive to Metal:	No
Is Flammable:	No
Is Gas under Pressure:	No
Is Physical HNOC:	No
Is Emission of Gas With Water:	No
Is Organic peroxide:	No
Is Oxidizer:	No
Is Pyrophoric liquid or solid:	No
Is Pyrophoric gas:	No
Is Self-heating:	No
Is Self-reactive:	No
Is Acute toxicity:	No
Is Aspiration hazard:	No
Is Carcinogenicity:	No
Is Germ cell mutagenicity:	No
Is Health HNOC:	Yes
Is Reproductive toxicity:	No
Is Respiratory or skin sensitization:	No
Is Serious eye damage or eye irritation:	No
Is Simple asphyxiant:	No
Is Skin corrosion or irritation:	No
Is Specific target organ toxicity:	No

SPORTSMAN AIRPARK (Continued) **S102778254**

HSIS:

Name:	SPORTSMAN AIRPARK INC
Address:	504 S AIRPARK WAY
City,State,Zip:	NEWBERG, OR 97132
Facility ID:	012769
Department Or Division Of Company:	Not reported
Chemical Is Extremely Hazardous Substance (EHS:	N
Contains 112R:	N
Facility Has Written Emergency Plan:	N
NAICS Code 1:	488119
NAICS Desc 1:	OTHER AIRPORT OPERATIONS
NAICS Code 2:	488190
NAICS Desc 2:	OTHER SUPPORT ACTIVITIES FOR AIR TRANS
Manager Name:	JERRY DALE
Business Phone:	5035382134
Mailing Address:	PO BOX 248
Mailing City:	NEWBERG
Mailing State:	OR
Mailing Zip:	97132
No. of Employees:	6
Day Phone:	5035382134
Placard:	N
Fire Dept Code:	0485
FD:	TUALATIN VALLEY F&R
Sprinkler System:	N
Emergency Contact:	JEROLD E DALE
Emergency Procedure:	Not reported
Business Type:	AVIATION-FIXED BASE OPERATION
Facility Type:	Not reported
Department:	Not reported
Status:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Status TRI:	Not reported
Status RMP:	Not reported
Status PSM:	Not reported
Status CR2K:	Not reported
Status 302:	Not reported
Owner Name:	Not reported
Last Reported ID:	Not reported
Case Number:	Not reported
Chemical Name:	Not reported
EHS Name:	Not reported
Is Pure:	Not reported
Is Mix:	Not reported
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	Not reported
Maximum Daily Amount Unit:	Not reported
Chemical Added Date:	Not reported
Is Chem PSM:	Not reported
Is Chem 112R:	Not reported
Is Chem 302:	Not reported
Is Pesticide:	Not reported
Is Fertilizer:	Not reported
Physical State:	Not reported
UNNA Number:	Not reported

SPORTSMAN AIRPARK (Continued) **S102778254**

NFPA Health:	Not reported
NFPA Flammability:	Not reported
NFPA Reactivity:	Not reported
NFPA Special Notice:	Not reported
Hazards:	Not reported
Number of Days Onsite:	Not reported
Year:	Not reported
Case Number:	74986
Chemical Name:	PROPANE
EHS Name:	Not reported
Is Pure:	Yes
Is Mix:	No
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/16/2017
Is Chem PSM:	No
Is Chem 112R:	Yes
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1978
NFPA Health:	2
NFPA Flammability:	4
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Physical Combustive, Physical Flammable
Number of Days Onsite:	365
Year:	2018
Case Number:	N/A
Chemical Name:	WASTE OIL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/16/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	N/A
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health HNOC
Number of Days Onsite:	365
Year:	2018

SPORTSMAN AIRPARK (Continued) **S102778254**

Case Number:	N/A
Chemical Name:	AVIATION FUEL 100LL
EHS Name:	Not reported
Is Pure:	No
Is Mix:	Yes
Is EHS:	Not reported
Mixture Component:	Not reported
Maximum Daily Amount Code:	20
Maximum Daily Amount Unit:	gal
Chemical Added Date:	08/16/2017
Is Chem PSM:	No
Is Chem 112R:	No
Is Chem 302:	No
Is Pesticide:	No
Is Fertilizer:	No
Physical State:	Liquid
UNNA Number:	1203
NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0
NFPA Special Notice:	N/A
Hazards:	Health HNOC, Physical Combustive
Number of Days Onsite:	365
Year:	2018

Chemical:

Chemical Name:	PROPANE
Physical Description:	LIQUID
Case Number:	74986
Facility Id:	012769
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	PROPANE
United Nations/north America 4 Digit Class Number:	1075
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON SDS
Substance Pure:	True
Substance Mix:	False

SPORTSMAN AIRPARK (Continued) **S102778254**

First Hazardous Class Code For Chemical:	Flammable Gas
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.1
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	N
Contains EHS:	N
Fertilizer:	N
Pesticide:	N
Contains 313:	N

Chemical Name:	WASTE OIL
Physical Description:	LIQUID
Case Number:	Not reported
Facility Id:	012769
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	PETROLEUM HYDROCARBONS
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Chemical Name:	AVIATION FUEL 100LL
Physical Description:	LIQUID
Case Number:	000000

SPORTSMAN AIRPARK (Continued) **S102778254**

Facility Id:	012769
Physical State Of The Substance:	2
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	HIGHLY BRANCHED PARAFFINIC HYDROCARBONS
United Nations/north America 4 Digit Class Number:	1203
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Additional Chemical:

Chemical Is A Toxic 313 Chemical:	N
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Y

46
WNW
1/4-1/2
0.320 mi.
1688 ft.

HEATING OIL TANK **LUST** **S109347009**
704 S MERIDIAN ST **N/A**
NEWBERG, OR 97132

Relative:
Higher

Actual:
165 ft.

LUST:

Name:	HEATING OIL TANK
Address:	704 S MERIDIAN ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-08-0987
Cleanup Received Date:	08/04/2008

HEATING OIL TANK (Continued) **S109347009**

Cleanup Start Date: Not reported
Cleanup Complete Date: 10/02/2008
Decode for Region: West Region

I47
NW
1/4-1/2
0.332 mi.
1752 ft.

HEATING OIL TANK
601 WYNOOSKI ST
NEWBERG, OR 97132
Site 2 of 2 in cluster I

LUST **S125895916**
N/A

Relative:
Higher

Actual:
165 ft.

LUST:
Name: HEATING OIL TANK
Address: 601 WYNOOSKI ST
City,State,Zip: NEWBERG, OR 97132
Region: North Western Region
Facility ID: 34-19-1118
Cleanup Received Date: 11/11/2019
Cleanup Start Date: Not reported
Cleanup Complete Date: 08/17/2020
Decode for Region: North West Region

48
NW
1/4-1/2
0.390 mi.
2058 ft.

HEATING OIL TANK
511 S COLUMBIA ST
NEWBERG, OR 97132

LUST **S108573185**
N/A

Relative:
Higher

Actual:
166 ft.

LUST:
Name: HEATING OIL TANK
Address: 511 S COLUMBIA ST
City,State,Zip: NEWBERG, OR 97132
Region: Western Region
Facility ID: 36-07-0518
Cleanup Received Date: 04/19/2007
Cleanup Start Date: Not reported
Cleanup Complete Date: 02/12/2008
Decode for Region: West Region

49
WNW
1/4-1/2
0.464 mi.
2449 ft.

HEATING OIL TANK
620 E 6TH STREET
NEWBERG, OR 97132

LUST **S103248064**
N/A

Relative:
Higher

Actual:
171 ft.

LUST:
Name: HEATING OIL TANK
Address: 620 E 6TH STREET
City,State,Zip: NEWBERG, OR 97132
Region: Western Region
Facility ID: 36-91-4259
Cleanup Received Date: 09/04/1991
Cleanup Start Date: 09/04/1991
Cleanup Complete Date: Not reported
Decode for Region: West Region

HEATING OIL TANK (Continued) **S103248064**

Name: HEATING OIL TANK
Address: 620 E 6TH STREET
City,State,Zip: NEWBERG, OR 97132
Region: Western Region
Facility ID: 36-98-4050
Cleanup Received Date: 04/15/1998
Cleanup Start Date: 02/11/1998
Cleanup Complete Date: Not reported
Decode for Region: West Region

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50 NEWBERG LANDFILL **SWF/LF** **S105225555**
WSW 1820 S. WATERFRONT STREET **Financial Assurance** **N/A**
1/4-1/2 NEWBERG, OR 97132 **NPDES**
0.473 mi.
2499 ft.

Relative: Higher

Actual: 168 ft.

LF:
Name: NEWBERG LANDFILL
Address: 1820 S. WATERFRONT STREET
Address 2: Not reported
City,State,Zip: NEWBERG, OR 97132
Permit Number: 97
Facility Id: 104036
Facility Telephone: (503) 472-9371 x3633
Facility Telephone 2: Not reported
Lat/Long: 45.2834 / -122.9761
Solid Waste Class: Municipal
Solid Waste Type: Landfill
Date Opened: 07/01/1972
End Date: Not reported
Date Closed: 11/20/1985
Permit Status: Closure
Organization: Yamhill County - Planning & Development
Contact Name: Michael Brandt
Affil Start Date: 10/30/1995
Mailing Address: 535 NE 5th St
Mailing City: Mcminnville
Mailing State: OR
Mailing Zip: 97128-4504

OR Financial Assurance 2:
Name: NEWBERG LANDFILL
Address: 1820 S. WATERFRONT STREET
City,State,Zip: NEWBERG, OR 97132
Facility Id: 104036
Region: 2
Permit Id: 97
Instrument Class Name: Closure
Comment: City Solid Waste Fund (SWF) supported by Riverbend Tipping Fees. Augments with $10 Million Environmental Impairment Insurance Policy.
Provider Name: City Solid Waste Fund (Riverbend Tipping Fees)
Certified Date: Not reported
Expiration Date: Not reported
Inst Type: Trust fund
Closure Cost Estimate: $0.00
Post Closure Cost Estimate: $624,686.00

NEWBERG LANDFILL (Continued) **S105225555**

Name:	NEWBERG LANDFILL
Address:	1820 S. WATERFRONT STREET
City,State,Zip:	NEWBERG, OR 97132
Facility Id:	104036
Region:	2
Permit Id:	97
Instrument Class Name:	Post Closure
Comment:	Line item in county budget, Solid Waste Fund
Provider Name:	Yamhill County
Certified Date:	Not reported
Expiration Date:	Not reported
Inst Type:	Alternative financial assurance
Closure Cost Estimate:	$0.00
Post Closure Cost Estimate:	$624,686.00

NPDES:

Name:	NEWBERG LANDFILL
Address:	1820 S. WATERFRONT STREET
City,State,Zip:	NEWBERG, OR 97132
WQ File Nbr:	104036
Legal Name:	YAMHILL COUNTY DEPT. OF PLANNING & DEVELOPMENT
Region:	WR
Pri SIC:	4953
Latitude:	45.2834
Longitude:	-122.9761
Category:	STORMWATER
Permit Type:	GEN12G
Permit Active:	FALSE
Permit Description:	Industrial storm water - Landfills
Expiration Date:	09/30/1996
EPA Number:	MISSING!!
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	09/29/1998
Permit Writer:	Fisher, Thomas
Compliance Inspector:	Mcfetridge, Timothy
DMR Reviewer:	Mcfetridge, Timothy
Application Number:	996553
Class:	MINOR
Start Date:	02/04/1993
Region Decode:	West Region
Ownership:	LOCAL GOVT
Permit Group:	NPDES General Permit - Industrial storm water discharges
EPA Class:	MINOR
Permit Number:	12139

Name:	NEWBERG LANDFILL
Address:	1820 S. WATERFRONT STREET
City,State,Zip:	NEWBERG, OR 97132
WQ File Nbr:	104036
Legal Name:	YAMHILL COUNTY DEPT. OF PLANNING & DEVELOPMENT
Region:	WR
Pri SIC:	4953
Latitude:	45.2834
Longitude:	-122.9761
Category:	STORMWATER
Permit Type:	GEN12Z

NEWBERG LANDFILL (Continued) **S105225555**

Permit Active:	FALSE
Permit Description:	Industrial storm water
Expiration Date:	06/30/2012
EPA Number:	ORR501251
UIC Facility:	FALSE
Admin Agent:	Salem Office
Last Action Date:	12/30/2013
Permit Writer:	Not reported
Compliance Inspector:	Bayham, Chris
DMR Reviewer:	English, Mindi
Application Number:	0
Class:	N/A
Start Date:	09/29/1998
Region Decode:	West Region
Ownership:	LOCAL GOVT
Permit Group:	NPDES General Permit - Industrial storm water discharges
EPA Class:	MINOR
Permit Number:	12138

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51 **HEATING OIL TANK** **LUST** **S106476267**
NW **502 S EDWARDS STREET** **N/A**
1/4-1/2 **NEWBERG, OR 97132**
0.481 mi.
2541 ft.

Relative: **Higher**
Actual: **172 ft.**

LUST:

Name:	HEATING OIL TANK
Address:	502 S EDWARDS STREET
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-04-0265
Cleanup Received Date:	02/27/2004
Cleanup Start Date:	03/02/2004
Cleanup Complete Date:	**05/25/2004**
Decode for Region:	**West Region**

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52 **HEATING OIL TANK** **LUST** **S104974514**
WNW **308 E 8TH ST** **N/A**
1/4-1/2 **NEWBERG, OR 97132**
0.483 mi.
2548 ft.

Relative: **Higher**
Actual: **162 ft.**

LUST:

Name:	HEATING OIL TANK
Address:	308 E 8TH ST
City,State,Zip:	NEWBERG, OR 97132
Region:	Western Region
Facility ID:	36-01-5852
Cleanup Received Date:	04/08/2001
Cleanup Start Date:	05/07/2001
Cleanup Complete Date:	**06/18/2001**
Decode for Region:	**West Region**

53
West
1/2-1
0.503 mi.
2656 ft.

NEWBERG DUMP (OLD)
S BLAINE ST.
NEWBERG, OR 97132

ECSI **S103842590**
N/A

Relative:
Lower

Actual:
112 ft.

ECSI:

Name:	NEWBERG DUMP (OLD)
Address:	S BLAINE ST.
City,State,Zip:	NEWBERG, OR 97132
State ID Number:	1640
Brown ID:	0
Study Area:	False
Region ID:	3
Legislatve ID:	832
Investigation:	Suspect
FACA ID:	8846
Further Action:	260
Lat/Long (dms):	45 17 20.04 / -122 58 43.32
County Code:	36.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	3.00
Township Zone:	S
Range Coord:	2.00
Range Zone:	W
Section Coord:	19
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	02/26/2009
Created Date:	12/13/1994
Decode For RegionID:	Western Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Low
Decode For Investstat:	Suspect
Decode For Legislative:	Owner, operator or other party under state or federal authority
Alias Name:	Newberg Disposal Site
Alias Name:	Ewing Young Park

Hazardous Release:

Substance ID.:	121639
Haz Release ID:	384634
Qty Released:	unknown
Date Released:	approx. 1930's to 1960's.
Update Date:	12/13/1994
Update By:	Not reported
Substance Code:	7439-92-1
Substance Name:	LEAD
Substance Abbrev.:	Not reported
Substance Category ID:	8466
Substance Category:	Inorganics
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8466
Substance Category:	Inorganics

NEWBERG DUMP (OLD) (Continued) **S103842590**

Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Sampling Result ID: 343113
Feature Id: Not reported
Hazard Release Id: 384634
Medium: 701
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1994
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 50 ppm
Last Update By: ars
Update Date: 12/13/1994
Decode for MediumID: Sediment

Substance ID.: 121643
Haz Release ID: 384635
Qty Released: unknown
Date Released: approx. 1930's to 1960's.
Update Date: 12/13/1994
Update By: Not reported
Substance Code: 7439-97-6
Substance Name: MERCURY
Substance Abbrev.: Not reported
Substance Category ID: 8467
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8467
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319260
Sub Alias Name: HG
Substance Alias ID: 319261
Sub Alias Name: HYDRARGYRUM
Substance Alias ID: 319262
Sub Alias Name: LIQUID SILVER
Substance Alias ID: 319263
Sub Alias Name: QUICKSILVER
Sampling Result ID: 343114
Feature Id: Not reported
Hazard Release Id: 384635
Medium: 701
Substance Abbrev.: Not reported
Unit Code: Not reported

NEWBERG DUMP (OLD) (Continued) **S103842590**

Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1994
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.80 ppm
Last Update By: ars
Update Date: 12/13/1994
Decode for MediumID: Sediment

Substance ID.: 121637
Haz Release ID: 384636
Qty Released: unknown
Date Released: approx. 1930's to 1960's.
Update Date: 12/13/1994
Update By: Not reported
Substance Code: 7439-89-6
Substance Name: IRON
Substance Abbrev.: Not reported
Substance Alias ID: 319254
Sub Alias Name: FE
Sampling Result ID: 343115
Feature Id: Not reported
Hazard Release Id: 384636
Medium: 704
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1994
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 7.2 ppm
Last Update By: ars
Update Date: 12/13/1994
Decode for MediumID: Surface Water

Substance ID.: 121668
Haz Release ID: 384637
Qty Released: unknown
Date Released: approx. 1930's to 1960's.
Update Date: 12/13/1994
Update By: Not reported
Substance Code: 7440-43-9
Substance Name: CADMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

NEWBERG DUMP (OLD) (Continued) **S103842590**

Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319291
Sub Alias Name: CD
Sampling Result ID: 343116
Feature Id: Not reported
Hazard Release Id: 384637
Medium: 701
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1994
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 2 ppm
Last Update By: ars
Update Date: 12/13/1994
Decode for MediumID: Sediment

Substance ID.: 121634
Haz Release ID: 384638
Qty Released: unknown
Date Released: approx. 1930's to 1960's.
Update Date: 12/13/1994
Update By: Not reported
Substance Code: 7429-90-5
Substance Name: ALUMINUM
Substance Abbrev.: Not reported
Substance Alias ID: 319250
Sub Alias Name: AL
Substance Alias ID: 319251
Sub Alias Name: ALUMINIUM
Sampling Result ID: 343117
Feature Id: Not reported
Hazard Release Id: 384638
Medium: 704
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1994
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 5.5 ppm
Last Update By: ars
Update Date: 12/13/1994
Decode for MediumID: Surface Water

NEWBERG DUMP (OLD) (Continued) **S103842590**

Narrative:

NARR ID: 5734673
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (11/30/94 ACV/SAS) Complaint filed in March 1994 led to discovery of an old dump encroaching on an unnamed tributary of Chehalem Creek in Newberg. The dump was located at Chehalem Park and Recreation District (CPR) Ewing Young Park. CPR recently acquired property from Smurfit Newsprint. Along the streambank there were large exposures of glass shards, metal containers, appliances, etc. Ash was also present, which suggests evidence of past burning.

NARR ID: 5734674
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: Complaint 94-6187

NARR ID: 5734675
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: past practice

NARR ID: 5734676
NARR Code: Media Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Media Contamination
NARR Comments: Surface water and sediment sampling showed elevated levels of aluminum, iron, mercury, lead, and cadmium.

NARR ID: 5734677
NARR Code: Health Threats
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Health Threats
NARR Comments: Surface water, sediments, direct contact

NARR ID: 5751219
NARR Code: 1922
Created By: GWISTAR
Created Date: 02/26/2009

NEWBERG DUMP (OLD) (Continued) **S103842590**

Updated By: GWISTAR
Updated Date: 02/26/2009
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [November 1994] An old dump was found encroaching on an unnamed tributary of Chehalem Creek. The dump was located in the current Ewing Young Park. Along the streambank there were large exposures of glass shards, metal containers, appliances, etc. Ash was also present, which suggests evidence of past burning. Further investigation is required to determine the extent and environmental impact of this past land-use practice.

Administrative Action:
Action ID: 9424
Region: Western Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9449
Region: Western Region
Complete Date: 11/30/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Western Region
Complete Date: 11/30/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9496
Region: Western Region
Complete Date: 11/30/1994
Rank Value: 0

NEWBERG DUMP (OLD) (Continued) **S103842590**

Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: State Basic Preliminary Assessment recommended (PA)
Further Action: Low
Comments: Not reported

Action ID: 9437
Region: Western Region
Complete Date: 12/01/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 132973
Operation Status: Inactive
Common Name: Old Newberg Dump
Yrs of Operation: 30 years
Comments: Old municipal garbage dump
Updated Date: 06/20/1996
Updated By: kpd
Decode for OpstatID: Inactive
Operations SIC Id: 195876
SIC Code: 4953
Created By: Not reported
Created Date: 12/17/2002

54
NW
1/2-1
0.701 mi.
3701 ft.

SOUTH RIVER ROAD SLUDGE DISPOSAL SITE
101 S RIVER RD
NEWBERG, OR 97132

ECSI **1006852874**
FINDS **N/A**

Relative:
Higher

Actual:
167 ft.

ECSI:
Name: SOUTH RIVER ROAD SLUDGE DISPOSAL SITE
Address: 101 S RIVER RD.
City,State,Zip: NEWBERG, OR 97132
State ID Number: 2746
Brown ID: 0
Study Area: False
Region ID: 3
Legislatve ID: 0
Investigation: Suspect
FACA ID: 41032
Further Action: 258
Lat/Long (dms): 45 17 15.00 / -122 58 18.00
County Code: 36.00

SOUTH RIVER ROAD SLUDGE DISPOSAL SITE (Continued) **1006852874**

Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	3.00
Township Zone:	S
Range Coord:	2.00
Range Zone:	W
Section Coord:	30
Qtr Section:	A
Tax Lots:	S31Bbb, S20Ccc
Size:	Approx. 3 acres
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	06/12/2007
Created Date:	11/08/2000
Decode For RegionID:	Western Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Medium
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5740333
NARR Code:	Contamination
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Contamination
NARR Comments:	(11/8/00 SMF/SAS) Tannery sludge applied to cropland (to exclude root crops, low-growing fruit, or vegetable crops that are edible raw; no grazing animal contact allowed within 30 days after applications) beginning in 1981. Filbert orchards predominant local crop. Believed to be beam house sludge (alkaline with low metals content - Cr, Pb, Cu, Ni, Cd, Co), although high chromium content sludge may also have been disposed of at site (needs investigation). Some metals may be mobile because of alkalinity. Frontier was required to maintain log of sludge applications (no logs supplied to DEQ, yet).

NARR ID:	5740334
NARR Code:	Data Sources
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Data Sources
NARR Comments:	SEE ECSI #116 and 2638 (Frontier Leather).

NARR ID:	5740335
NARR Code:	Site Ownership
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	GWISTAR
Updated Date:	10/06/2004
Decode for NarcdID:	Site Ownership
NARR Comments:	Frontier Leather Company may at one time have owned this site. Current owner unknown.

SOUTH RIVER ROAD SLUDGE DISPOSAL SITE (Continued) **1006852874**

NARR ID: 5740336
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Address suggests the site is located near Newberg Sewage Treatment Plant and old and new Newberg Landfills. Depending on exact site location, Willamette River may be 800 to 1000 feet downgradient - along Newberg Pool (area with fish deformities). Chehalem Creek (Willamette River tributary) may be 400 to 1600 feet downgradient. Smaller Chehalem Creek tributaries may be even closer. Depending on exact location, Section may have; 10 domestic wells (Section 30) or 24 domestic wells and 10 municipal wells (Section 29 -this location most likely) or 3 domestic wells (Section 20).

Administrative Action:
Action ID: 9424
Region: Northwestern Region
Complete Date: 11/08/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Western Region
Complete Date: 11/08/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Medium
Comments: Not reported

FINDS:
Registry ID: 110014149206

Click Here:

Environmental Interest/Information System:
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

SOUTH RIVER ROAD SLUDGE DISPOSAL SITE (Continued) **1006852874**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

55
North
1/2-1
0.779 mi.
4114 ft.

SCHARFF MOTOR FREIGHT
2210 PORTLAND RD
NEWBERG, OR 97132

ECSI **1006857644**
VCP **N/A**
FINDS

Relative:
Higher

Actual:
191 ft.

ECSI:

Name:	SCHARFF MOTOR FREIGHT
Address:	2210-2310 PORTLAND RD.
City,State,Zip:	NEWBERG, OR 97132
State ID Number:	1269
Brown ID:	0
Study Area:	False
Region ID:	3
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	8847
Further Action:	0
Lat/Long (dms):	45 18 9.00 / -122 57 25.60
County Code:	36.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	3.00
Township Zone:	S
Range Coord:	2.00
Range Zone:	W
Section Coord:	20
Qtr Section:	Not reported
Tax Lots:	700, 701, 702
Size:	4.21 ac.
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	04/23/2015
Created Date:	01/21/1993
Decode For RegionID:	Western Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Hazardous Release:

Substance ID.:	120854
Haz Release ID:	384133
Qty Released:	unknown
Date Released:	unknown
Update Date:	03/23/2000
Update By:	Not reported
Substance Code:	107-06-2
Substance Name:	DICHLOROETHANE,1,2-
Substance Abbrev.:	Not reported
Substance Category ID:	8511
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

Created Date: 12/17/2002
Substance Category ID: 8511
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316365
Sub Alias Name: ETHANE,1,2-DICHLORO-
Substance Alias ID: 316366
Sub Alias Name: ETHYLENE DICHLORIDE
Substance Alias ID: 316367
Sub Alias Name: GLYCOL DICHLORIDE
Sampling Result ID: 344474
Feature Id: Not reported
Hazard Release Id: 384133
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/01/1991
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: .014 ppm
Last Update By: gmw
Update Date: 03/23/2000
Decode for MediumID: Groundwater

Substance ID.: 120838
Haz Release ID: 384134
Qty Released: unknown
Date Released: unknown
Update Date: 03/23/2000
Update By: Not reported
Substance Code: 106-46-7
Substance Name: DICHLOROBENZENE,1,4-
Substance Abbrev.: Not reported
Substance Alias ID: 316291
Sub Alias Name: BENZENE,1,4-DICHLORO-
Substance Alias ID: 316292
Sub Alias Name: DI-CHLORICIDE
Substance Alias ID: 316293
Sub Alias Name: DICHLOROBENZENE,p-
Substance Alias ID: 316294
Sub Alias Name: PARADICHLOROBENZENE
Substance Alias ID: 316295
Sub Alias Name: PARAMOTH
Substance Alias ID: 316296
Sub Alias Name: PDB
Sampling Result ID: 344475
Feature Id: Not reported
Hazard Release Id: 384134
Medium: 698
Substance Abbrev.: Not reported

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/01/1991
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: .0083 to .0237 ppm
Last Update By: gmw
Update Date: 03/23/2000
Decode for MediumID: Groundwater

Substance ID.: 121774
Haz Release ID: 384135
Qty Released: unknown
Date Released: unknown
Update Date: 03/23/2000
Update By: Not reported
Substance Code: 78-87-5
Substance Name: DICHLOROPROPANE,1,2-
Substance Abbrev.: Not reported
Substance Alias ID: 317503
Sub Alias Name: DICHLOROPROPANE,alpha,beta-
Substance Alias ID: 317504
Sub Alias Name: PROPANE,1,2-DICHLORO-
Substance Alias ID: 317505
Sub Alias Name: PROPYLENE CHLORIDE
Substance Alias ID: 317506
Sub Alias Name: PROPYLENE DICHLORIDE
Sampling Result ID: 344476
Feature Id: Not reported
Hazard Release Id: 384135
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/01/1991
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: .0016 ppm
Last Update By: gmw
Update Date: 03/23/2000
Decode for MediumID: Groundwater

Narrative:
NARR ID: 5732533
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

NARR Comments: (1/10/93 HMS/SAS) Drinking-water MCLs have been exceeded at this site. Contaminants include BTEX and 1,2-DCA. The presence of other halogenated volatiles indicates more assessment is needed to determine the source and extent of contamination.

NARR ID: 5747401
NARR Code: General Site Description
Created By: GWISTAR
Created Date: 10/26/2005
Updated By: GWISTAR
Updated Date: 10/26/2005
Decode for NarcdID: General Site Description
NARR Comments: The site is located in a mixed residential, commercial, and light industrial area. The site is not fenced. A dry-cleaning operation is nearby.

NARR ID: 5732534
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: waste oil and solvents

NARR ID: 5732535
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Past practices; above- and below-ground releases. Time of release: unknown.

NARR ID: 5732536
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 10/26/2005
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soil is a silt-loam; topography is flat with poor drainage. Hess Creek (0.25 mile west) is used for recreational purposes. A shallow aquifer may be used for drinking water, so that the potential pathway of greatest concern is groundwater.

NARR ID: 5753926
NARR Code: Remedial Action
Created By: EKELLEY
Created Date: 03/07/2012
Updated By: EKELLEY
Updated Date: 03/07/2012
Decode for NarcdID: Remedial Action
NARR Comments: Investigation and Remediation USTs The USTs on the north portion of the Site and 2500 cubic yards of petroleum contaminated soil (PCS) were excavated in September 1991. The USTs were recycled by the

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

decommissioning contractor (On-Line Construction). With DEQ s approval, the PCS was treated and later reused on Site for leveling and landscaping purposes. Groundwater was sampled from the UST pit in boring B6 after removal of the tanks and showed elevated levels of volatile organic compounds (VOCs). Further groundwater sampling was later conducted in 2011 in boring GP2. Only the VOC toluene at 2.72 parts per billion (ppb) was detected in the sample. Further groundwater delineation occurred in January 2012 with borings ICP-1 and ICP-2. Levels of contamination in groundwater from these borings were below applicable RBCs. Sampling results are summarized in Appendix B. Shop Drain Area Also in September 1991, the buried drum, piping, and 20 cubic yards of contaminated soil from the shop drain area were removed. Later, the shop building was demolished and another 320 cubic yards of PCS were removed from the area. Soils were stock piled separately from those of the UST tank pit, and disposed at Hillsboro Landfill. After soil removal from the shop drain area, four samples (C3-S3N, C3-S4N, C3-S1S, and C3-S2S) were taken. Contamination levels ranged from 40 to 420 parts per million (ppm) for petroleum hydrocarbons. The detected hydrocarbons were primarily from the heavier range since gasoline levels were below 27 ppm. Soil was further characterized in borings ICP-3, ICP-4, and ICP-5, which were non-detect for petroleum range hydrocarbons and VOCs. Initial groundwater sampling near the shop drain area (boring B2) indicated elevated levels of VOCs. Further delineation of the groundwater (GP3, ICP-4, and ICP-5), showed only limited amounts of toluene ranging from 1.7 to 4.12 ppb. Soil and groundwater data is summarized in appendix B. ASTs Surface staining was observed near the ASTs and behind the shop building during their removal in 1991. Initial borings B1, B3 and B4 were used to address surface staining areas. All soil samples were collected and tested from 5 feet below ground surface (bgs). Boring B1 had the highest level of contamination with Total Petroleum Hydrocarbons of 21ppm. Groundwater samples were collected from the three borings at approximately 10-12 for and analyzed for VOCs. Only B1 had an indication of contamination with 0.17ppb for 1,1,2-trichloroethane. In the 2011 site assessment, soil was sampled from GP5 at approximately 10-11 feet bgs for diesel. Results indicated 38.8 ppm for diesel and 251 ppm for heavy oil. The surface of site was reported to have been scraped to 6 inches below surface and leveled, and then was asphalted; except for where there is landscaping, as current site conditions show. To address possible impacts from chlorinated solvents released from neighboring dry cleaner facility, soil from boring GP1 was sampled at 13-14 feet bgs and analyzed for petroleum hydrocarbons and groundwater was collected at approximately 21 feet and analyzed for hydrocarbons and VOCs. Petroleum hydrocarbons were not detected in the samples. The VOCs in groundwater showed TCE at 58.5 ppb, TCE at 51.4 ppb, cis-1,2-DEC at 4.38 ppb, and 1,1-dichloroethene at 0.550 ppb. Based on information that chlorinated solvents were never used at the Site, the assumed groundwater flow direction, and recent site assessment by DEQ of the drycleaners, DEQ concurred with the consultant that chlorinated solvent contamination was coming from an off-site source.

Administrative Action:

Action ID:	9435
Region:	Western Region
Complete Date:	03/07/2012
Rank Value:	Not reported
Cleanup Flag:	False

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

Created Date: 12/15/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: Low
Comments: Not reported

Action ID: 9443
Region: Western Region
Complete Date: 03/07/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/07/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 01/10/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9496
Region: Headquarters
Complete Date: 01/10/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

SCHARFF MOTOR FREIGHT (Continued) **1006857644**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: State Basic Preliminary Assessment recommended (PA)
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132582
Operation Status: Active
Common Name: Scharff Motor Freight
Yrs of Operation: unknown
Comments: Not reported
Updated Date: 03/08/1995
Updated By: jxh
Decode for OpstatID: Active

VCS:
Name: SCHARFF MOTOR FREIGHT
Address: 2210-2310 PORTLAND RD.
City,State,Zip: NEWBERG, OR 97132
ECS Site ID: 1269
Facility Size: 4.21 ac.
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 03/07/2012
End Date: 03/07/2012
Program: ICP
Latitude: 45.3025
Longitude: -122.9571

FINDS:
Registry ID: 110014200792

Click Here:

Environmental Interest/Information System:
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

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56 **BUTLER CHEVROLET (FORMER)** **ECSI** **S104226605**
NW **411 E FIRST ST.** **BROWNFIELDS** **N/A**
1/2-1 **NEWBERG, OR 97132**
0.803 mi.
4238 ft.

Relative:
Higher

Actual:
179 ft.

ECSI:
Name: BUTLER CHEVROLET (FORMER)
Address: 411 E FIRST ST.
City,State,Zip: NEWBERG, OR 97132
State ID Number: 1876
Brown ID: Brownfield Site - DEQ Funding Assistance

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

Study Area: False
Region ID: 3
Legislatve ID: 0
Investigation: No Further Action
FACA ID: 123965
Further Action: 0
Lat/Long (dms): 45 18 2.20 / -122 58 31.80
County Code: 36.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 3.00
Township Zone: S
Range Coord: 2.00
Range Zone: W
Section Coord: 19
Qtr Section: Not reported
Tax Lots: Not reported
Size: 0.25 acre
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 04/23/2015
Created Date: 06/24/1996
Decode For RegionID: Western Region
Decode For BrownID: Brownfield Site - DEQ Funding Assistance
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported
Alias Name: Loren Berg Chevrolet-Oldsmobile

Hazardous Release:
Substance ID.: 121781
Haz Release ID: 382428
Qty Released: unknown
Date Released: before 1987
Update Date: 05/29/2002
Update By: Not reported
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE
Comment ID: 303292
Release Code: Media Contamination Footnote
Release Comments: (Data represents pre-excavation concentration)
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 339202
Feature Id: Not reported
Hazard Release Id: 382428
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/15/1987
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 43 ppm
Last Update By: gmw
Update Date: 01/20/2000
Decode for MediumID: Soil

Substance ID.: 121011
Haz Release ID: 382429
Qty Released: unknown
Date Released: before 1987
Update Date: 05/29/2002
Update By: Not reported
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 303291
Release Code: Media Contamination Footnote
Release Comments: (Data represents pre-excavation concentration)
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 339203
Feature Id: Not reported
Hazard Release Id: 382429
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/15/1987
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 56 ppm
Last Update By: gmw
Update Date: 01/20/2000
Decode for MediumID: Soil

Narrative:
NARR ID: 5735969
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (1/20/2000 GMW/SAS) During an underground storage tank (UST) investigation at the site, solvents were found in groundwater, apparently resulting from a small waste-oil UST that was removed in 1987. Soil samples from around this tank, collected at 5, 10, and 15 feet depths, contained petroleum hydrocarbons and BTEX compounds, as well as the chlorinated solvents PCE and TCE. It is not clear what

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

contaminants were found in groundwater, nor how the groundwater sample was collected. Contaminated soil was removed from this area, but no confirmatory sampling occurred, and some contaminated soil was apparently left in place in an inaccessible area. A 1997 groundwater sample collected by a consultant for the site owner, analyzed for VOCs via EPA Method 8010, contained BTEX; no chlorinated compounds were detected, however.

NARR ID: 5735970
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: LUST log #36-87-4016.

NARR ID: 5735971
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum hydrocarbons (including BTEX), chlorinated solvents, heavy metals, pesticides.

NARR ID: 5735972
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Most likely leaking underground storage tanks and discharge of wastes to sumps. Time of releases unknown.

NARR ID: 5735973
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site is located along Highway 99W in the commercial heart of downtown Newberg. Shallow groundwater was encountered 6-10 feet below the surface.

NARR ID: 5735974
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 02/15/2007
Decode for NarcdID: Remedial Action
NARR Comments: (6/6/2001 BTM/SAS) A Targeted Brownfield Assessment was completed at the site in May 2001. DEQ collected soil and groundwater samples from

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

11 boreholes at the site in March 2001. Various soil samples contained benzene, toluene, ethylbenzene, and xylenes (BTEX), other hydrocarbons, chlorinated solvents, and the pesticides dieldrin and lindane. However, only one sample location contained any of these compounds above risk-based screening levels. Groundwater samples contained moderate VOC concentrations in four locations around the former sumps, hoist, and tank pit. DEQ recommended removal of contaminated soil from several locations on-site, and further evaluation of possible groundwater risks and resulting remedial strategies. The City of Newberg decided to acquire the property as part of a long-term plan to establish a <quot>Yamhill Showcase<quot> downtown commercial district. (2/15/07 GMW/SAS) DEQ's Tanks Program has closed this site using risk-based standards; this no further action determination applies to this ECSI site as well.

Administrative Action:
Action ID: 9518
Region: Western Region
Complete Date: 06/06/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: TARGETED BROWNFIELD ASSESSMENT
Further Action: Not reported
Comments: Not reported

Action ID: 9510
Region: Western Region
Complete Date: 07/05/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: State Expanded Preliminary Assessment recommended (XPA)
Further Action: Medium
Comments: Not reported

Action ID: 9443
Region: Western Region
Complete Date: 10/25/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/15/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

Action ID: 9477
Region: Western Region
Complete Date: 06/06/2001
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/27/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Refer to LUST Program
Further Action: Low
Comments: Not reported

Action ID: 9424
Region: Western Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Western Region
Complete Date: 06/30/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Western Region
Complete Date: 06/30/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 133167

BUTLER CHEVROLET (FORMER) (Continued) **S104226605**

Operation Status: Inactive
Common Name: Loren Berg Chevrolet-Oldsmobile
Yrs of Operation: 1934 to April 2001
Comments: auto dealership/service center
Updated Date: 05/29/2002
Updated By: kpd
Decode for OpstatID: Inactive
Operations SIC Id: 197853
SIC Code: 5510
Created By: Not reported
Created Date: 12/17/2002
Operations SIC Id: 197854
SIC Code: 7530
Created By: Not reported
Created Date: 12/17/2002

OR BROWNFIELDS:
Name: BUTLER CHEVROLET (FORMER)
Address: 411 E FIRST ST.
City,State,Zip: NEWBERG, OR 97132
Geolocation Id: 123965
Status: NO FURTHER STATE ACTION REQUIRED
Lat/Long: 45.3006 / -122.975

57
North
1/2-1
0.852 mi.
4498 ft.

FORMER NEWBERG ONE HOUR DRY CLEANING **ECSI** **S106386211**
2316 PORTLAND RD **DRYCLEANERS** **N/A**
NEWBERG, OR 97132

Relative:
Higher

Actual:
199 ft.

ECSI:
Name: NEWBERG ONE-HOUR DRY CLEANING
Address: 2316 PORTLAND RD.
City,State,Zip: NEWBERG, OR 97132
State ID Number: 4656
Brown ID: 0
Study Area: False
Region ID: 3
Legislatve ID: 833
Investigation: No Further Action
FACA ID: 97469
Further Action: 0
Lat/Long (dms): 45 18 11.90 / -122 57 20.20
County Code: 36.00
Score Value: Not reported
Cerclis ID: 001002747
Township Coord.: 3.00
Township Zone: S
Range Coord: 2.00
Range Zone: W
Section Coord: 20
Qtr Section: AB
Tax Lots: 600
Size: 0.9 acre
NPL: False
Orphan: False
Updated By: MFRISTE

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Update Date: 08/08/2018
Created Date: 07/17/2006
Decode For RegionID: Western Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Dry Cleaner Environmental Response Account

Hazardous Release:
Substance ID.: 121011
Haz Release ID: 386860
Qty Released: Not reported
Date Released: Not reported
Update Date: 07/17/2006
Update By: MENGLIS
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Sampling Result ID: 348863
Feature Id: 0
Hazard Release Id: 386860
Medium: 698
Substance Abbrev.: 0
Unit Code: 109

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20 foot
Start Date: 12/15/1996
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 2.51
Sample Comment: 2.510 mg/L
Last Update By: MENGLIS
Update Date: 07/17/2006
Decode for MediumID: Groundwater

Substance ID.: 121781
Haz Release ID: 387709
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/23/2011
Update By: GWISTAR
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE

Narrative:
NARR ID: 5752353
NARR Code: Contamination
Created By: KROBERT
Created Date: 07/26/2010

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Updated By: EKELLEY
Updated Date: 02/13/2014
Decode for NarcdID: Contamination
NARR Comments: (7/26/10 KJR/SAS) Soil and gw sampling have documented releases of PCE to the subsurface. The site used PCE for dry cleaning from 1981 to 2004 and is now a dry store. In April 2009 DEQ performed a PA with limited sampling. Four soil borings were advanced. One groundwater sample was collected from temporary well points placed in each soil boring. A duplicate groundwater sample was collected from boring SB-3. Concentrations of PCE and trichloroethene (TCE) were detected in groundwater samples from all four borings and the duplicate at levels ranging from 26.7 ug/l to 2,750 ug/l and 5.0 ug/l to 155 ug/l, respectively. Concentrations of cis 1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater from borings SB 1, SB-3 and the duplicate of SB-3 at levels of 89.2 ug/l, 6.2 ug/l, and 6.8 ug/l, respectively. (4/13/14 ELK) In August of 2011 the adjacent site, Scharff Motor Freight , had an environmental assessment done by AMEC. The assessment was in regard to on site contamination from underground storage tanks, above ground storage tanks, a shop drain, and off site impacts from the Newberg One Hour Cleaners Site. To address possible impacts from chlorinated solvents released from neighboring dry cleaner facility, soil from boring GP1 was sampled at 13-14 feet bgs and analyzed for petroleum hydrocarbons and groundwater was collected at approximately 21 feet and analyzed for hydrocarbons and VOCs. Petroleum hydrocarbons were not detected in the samples. The VOCs in groundwater showed PCE at 58.5 ppb, TCE at 51.4 ppb, cis-1,2-DEC at 4.38 ppb, and 1,1-dichloroethene at 0.550 ppb. Based on information that chlorinated solvents were never used at the Site, the assumed groundwater flow direction, and recent site assessment by DEQ of the drycleaners, DEQ concurred with the consultant that chlorinated solvent contamination was coming from an off-site source (Newberg One-Hour Cleaners).

NARR ID: 5752354
NARR Code: General Site Description
Created By: KROBERT
Created Date: 07/26/2010
Updated By: KROBERT
Updated Date: 07/26/2010
Decode for NarcdID: General Site Description
NARR Comments: [July 2010] The Newberg One Hour Cleaners site is located at 2316 Portland Road in Newberg, Oregon. The 0.9 acre property has two buildings with retail tenants. The Newberg One Hour Cleaners is located in a stand alone 1,260 square foot building in the northwest corner of the property. A second 7,920 square foot building occupies the eastern portion of the property and has one retail vacancy and five tenants (Asian Bistro, Enterprise Rent-a-Car, French Twist Salon, Nails by Cheryl, & the Puppy Playhouse). The remainder of the site is a paved parking lot and landscaping.

NARR ID: 5748313
NARR Code: Hazardous Substance/Waste Types
Created By: MENGLIS
Created Date: 07/17/2006
Updated By: KROBERT
Updated Date: 07/26/2010
Decode for NarcdID: Hazardous Substance/Waste Types

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

NARR Comments: PCE, TCE, cis-1,2-DCE

NARR ID: 5752356
NARR Code: Land Use (Current/Reasonably Likely)
Created By: KROBERT
Created Date: 07/26/2010
Updated By: KROBERT
Updated Date: 07/26/2010
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: [July 2010] The property is located in an area of commercial use. The property and adjacent properties are all zoned for community commercial use. Adjacent properties include Lumberman s Building supply to the south and west, an Auto Zone auto parts store to the east, a Prudential Northwest Properties office to the southeast, and the Newberg Best Western hotel to the north across Portland Road (Highway 99W).

NARR ID: 5748314
NARR Code: Pathways Other Hazards
Created By: MENGLIS
Created Date: 07/17/2006
Updated By: MENGLIS
Updated Date: 07/17/2006
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soil, groundwater

NARR ID: 5748312
NARR Code: Remedial Action
Created By: MENGLIS
Created Date: 07/17/2006
Updated By: EKELLEY
Updated Date: 02/13/2014
Decode for NarcdID: Remedial Action
NARR Comments: (4/19/06 MP/NWR) Over 2.5 mg/L PCE was detected in shallow groundwater beneath the site. Specific source area has not been established, but could be from surface releases both inside and outside of the building. There are no structures over the area immediately downgradient of dry cleaners building, although groundwater flow direction has not been established. Extent of groundwater contamination should be investigated. Priority for further action: Medium. (7/26/10 KJR/SAS) a PA with limited sampling was completed at the site in July 2010. Sampling was performed in April 2009. PCE was confirmed in soil and groundwater samples. Additional assessment is needed. (4/13/14 ELK) Because of the recent site assessment done to the adjacent, presumed down gradient location (Scharff Motor Freight) and adjustment to the RBCs for TCE and PCE (June 7, 2012), the contamination from this site appears to be sufficiently delineated and appears to have levels of contamination below all applicable DEQs risk based criteria for future site workers, construction workers, or excavation workers and the environment.

NARR ID: 5752357
NARR Code: Water Use (Current/Reasonably Likely)
Created By: KROBERT
Created Date: 07/26/2010
Updated By: KROBERT

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Updated Date: 07/26/2010
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: [July 2010] The City of Newberg is located in the Willamette River Basin and the Chehalem Watershed. The Willamette River is located south of the city. The primary groundwater aquifers are located in the Lower Marine Sedimentary/Troutdale Formation and the CRBG. Wells drilled in the valley range in depth from 45 feet to 240 feet bgs with an average depth of 140 feet bgs. Wells drilled in the marine rocks to depths greater than 200 feet bgs generally produce water that is not desirable. Multiple domestic, municipal and community water systems utilizing groundwater are located within a 4-mile radius of the site. Groundwater was encountered at the site at depths ranging from 12 feet to 17 feet bgs. A release of hazardous substances was documented at the site through the detections of PCE and associated breakdown products in groundwater. Based the distance between the site and drinking water wells, depth to groundwater aquifers used for domestic/municipal uses, and the city ordinance prohibiting the installation of wells for potable use, drinking water users within the 4-mile radius are considered secondary targets.

NARR ID: 5752355
NARR Code: Site History
Created By: KROBERT
Created Date: 07/26/2010
Updated By: KROBERT
Updated Date: 07/26/2010
Decode for NarcdID: Site History
NARR Comments: The dry cleaning equipment was installed by Newberg Dry Cleaners in 1981. The site changed names to Newberg One Hour Cleaners in 1985. Based on Hazardous Waste Compliance Reports, the site was an operating dry-cleaner until 2004. The last time that PCE was purchased for the facility was in March 2004. The site is currently a dry store<quot> which is a facility that receives clothing but has the dry cleaning performed at another location. The business has changed hands several times since 1981. The current operators (Danny and Meredith Cho) purchased the business in 1993. Quadrant Investments LLC purchased the property in 2006 from Mr. Doug Peterson who purchased the property in 2001. The property was owned by Mr. Roger Crowell in 1999.

Administrative Action:
Action ID: 9506
Region: Eastern Region
Complete Date: 07/26/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/26/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: Medium
Comments: Not reported

Action ID: 9444
Region: Western Region
Complete Date: 07/01/2011

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/01/2011
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Western Region
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Western Region
Complete Date: 02/13/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/13/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 07/17/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/17/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Western Region
Complete Date: 04/19/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/17/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: High
Comments: Not reported

Action ID: 9425
Region: Western Region
Complete Date: 09/30/2006
Rank Value: Not reported

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Cleanup Flag: False
Created Date: 12/28/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9510
Region: Western Region
Complete Date: 09/30/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/28/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: State Expanded Preliminary Assessment recommended (XPA)
Further Action: Medium
Comments: Not reported

Action ID: 9421
Region: 0
Complete Date: 07/31/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/26/2008
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: 0
Comments: Not reported

Action ID: 9520
Region: Western Region
Complete Date: 07/26/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/26/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: EXPANDED PRELIMINARY ASSESSMENT
Further Action: 0
Comments: Not reported

DRYCLEANERS:
Name: FORMER NEWBERG ONE HOUR DRY CLEANING
Address: 2316 PORTLAND RD
City,State,Zip: NEWBERG, OR 97132
Dry Cleaner ID: 258

FORMER NEWBERG ONE HOUR DRY CLEANING (Continued) **S106386211**

Current Status:	Closed
Last Update:	04/22/2014
DEQID:	ORD987184579
Latitude:	45.30253816
Longitude:	-122.95707618
Decode for Fstatus:	Closed
Mail Name:	Nyman Worldwide Enterprises, Inc.
Mail Address:	30470 SW Parkway Ave Ste A
Mail City:	Wilsonville
Mail State:	OR
Mail ZIP:	97070
Mail Email Address:	Not reported
Mail Effective Date:	01/29/2013
Mail Last Updated:	01/09/2014
Owner ID:	8157
Own Name:	Danny Ho & Ester Cho
Own Organization:	Newberg One Hour Dry Cleaning
Own Address:	2316 Portland Rd
Own City:	Newberg
Own State:	OR
Own ZIP:	97132
Own Phone:	Not reported
Own Email Address:	Not reported
Owner Effective Date:	01/01/1999
Owner Last Updated:	04/25/2007
Property Owner ID:	3315
Property Owner Name:	Quadrant Investment LLC
Property Owner Organization:	Mark Nyman
Property Owner Address:	30470 SW Parkway Ave # A
Property Owner City:	Wilsonville
Property Owner State:	OR
Property Owner ZIP:	97070
Property Owner Phone:	503 570-2871
Property Owner Email Address:	Not reported
Property Owner Effective Date:	04/25/2007
Property Owner Last Updated:	01/09/2014

58
North
1/2-1
0.878 mi.
4634 ft.

SUNSHINE CLEANERS NEWBERG
400 N SITKA AVE.
NEWBERG, OR 97132

ECSI **S106386302**
DRYCLEANERS **N/A**

Relative:
Higher

Actual:
199 ft.

ECSI:

Name:	SUNSHINE CLEANERS NEWBERG
Address:	400 N SITKA AVE.
City,State,Zip:	NEWBERG, OR 97132
State ID Number:	5751
Brown ID:	0
Study Area:	False
Region ID:	3
Legislatve ID:	833
Investigation:	No Further Action
FACA ID:	125266
Further Action:	260
Lat/Long (dms):	45 18 12.20 / -122 57 27.40
County Code:	36.00
Score Value:	Not reported

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

Cerclis ID:	Not reported
Township Coord.:	3.00
Township Zone:	S
Range Coord:	2.00
Range Zone:	W
Section Coord:	17
Qtr Section:	DC
Tax Lots:	07000
Size:	0.4 AC
NPL:	False
Orphan:	False
Updated By:	CRICHAR
Update Date:	07/08/2020
Created Date:	09/19/2012
Decode For RegionID:	Western Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Low
Decode For Investstat:	No Further Action
Decode For Legislative:	Dry Cleaner Environmental Response Account

Hazardous Release:

Substance ID.:	121011
Haz Release ID:	388527
Qty Released:	Not reported
Date Released:	Not reported
Update Date:	06/18/2020
Update By:	CRICHAR
Substance Code:	127-18-4
Substance Name:	TETRACHLOROETHYLENE
Substance Abbrev.:	Not reported
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	316912
Sub Alias Name:	ETHENE,TETRACHLORO-
Substance Alias ID:	316913
Sub Alias Name:	ETHYLENE TETRACHLORIDE
Substance Alias ID:	316914
Sub Alias Name:	PERCHLOROETHYLENE
Substance Alias ID:	316915
Sub Alias Name:	PERCLENE

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 306009
Release Code: General Comments
Release Comments: Site used PERC until about 2003 when the facility switched to a greener solvent. A long time employee stated at least one spill of PERC occured in the mid-1980s from a break/leas in a hose from the solvent delivery truck.
Decode for Relcomcd: General Comments

Substance ID.: 121781
Haz Release ID: 388528
Qty Released: Not reported
Date Released: Not reported
Update Date: 06/18/2020
Update By: CRICHAR
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE

Narrative:
NARR ID: 5754201
NARR Code: Contamination
Created By: EKELLEY

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

Created Date: 09/19/2012
Updated By: EKELLEY
Updated Date: 09/19/2012
Decode for NarcdID: Contamination
NARR Comments: Historic solvent contamination was detected in the soil and groundwater was discovered at the Site.

NARR ID: 5754202
NARR Code: Data Sources
Created By: DHANSON
Created Date: 09/19/2012
Updated By: CRICHAR
Updated Date: 06/18/2020
Decode for NarcdID: Data Sources
NARR Comments: 7-29-11 Subsurface Investigation Report (Xavier Environmental) 6-12-20 Site Investigation Report (Apex)

NARR ID: 5757926
NARR Code: Hazardous Substance/Waste Types
Created By: CRICHAR
Created Date: 06/19/2020
Updated By: CRICHAR
Updated Date: 07/08/2020
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: PCE and TCE have been detected in soil, groundwater, and soil gas at the site. No significant concnetrations of break down chemicals have been detected.

NARR ID: 5757925
NARR Code: Manner of Release
Created By: CRICHAR
Created Date: 06/19/2020
Updated By: CRICHAR
Updated Date: 06/19/2020
Decode for NarcdID: Manner of Release
NARR Comments: The amount of contamiantion is relatively small. THis is likely the accumulation of years of facility operation and small spills, drips, or leaks. The exact cause of contamiantion is unknown, however, a long time employee repted that atleast on spill (unknown volume) of PCE occured in the mid-1980s due to a break in a hose from a solvent delivery truck.

NARR ID: 5754203
NARR Code: Media Contamination
Created By: DHANSON
Created Date: 09/19/2012
Updated By: CRICHAR
Updated Date: 06/18/2020
Decode for NarcdID: Media Contamination
NARR Comments: Soil and Groundwater were tested in July 2011 and found to contain tetrachloroethylene (PCE) and/or trichloroethylene (TCE). Sampling in 2020 confirmed trace level concentration of solvents in soil and soil gas. Groundwater contained low concetrations at the south side of the building with a small plume expected to extend partly beneath Highway 99.

NARR ID: 5757940

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

NARR Code: Remedial Action
Created By: CRICHAR
Created Date: 07/08/2020
Updated By: CRICHAR
Updated Date: 07/08/2020
Decode for NarcdID: Remedial Action
NARR Comments: The site was thoroughly investigated. Low levels of PCE and TCE are present in soil, groundwater and soil gas beneath the southern portion of the site and the adjacent property to the southeast. Concnetrations are well below all occupational RBCs.

NARR ID: 5754204
NARR Code: Substances of Concern
Created By: DHANSON
Created Date: 09/19/2012
Updated By: DHANSON
Updated Date: 09/19/2012
Decode for NarcdID: Substances of Concern
NARR Comments: Tetrachloroethylene (PCE) and trichloroethylene (TCE)

NARR ID: 5757924
NARR Code: Site History
Created By: CRICHAR
Created Date: 06/18/2020
Updated By: CRICHAR
Updated Date: 06/18/2020
Decode for NarcdID: Site History
NARR Comments: Reportedly, the current building was constructed in about 1978 as a dry cleaner and laundromat. Prior to that, the area appears to consist of residential or commercial building along Highway 99. A new dry cleaner machine was installed around 1985 that likely had condensate. A long time employee reported that one spill of unknown quantity did occur in the mid-1980s due to a break in a hose from a delivery truck. Tetrachloroethylene (Perchloroethylene, PERC, or PCE) was used until about 2003 when the facility switched to greener solvent.

NARR ID: 5757776
NARR Code: 1922
Created By: CRICHAR
Created Date: 01/08/2020
Updated By: CRICHAR
Updated Date: 07/08/2020
Decode for NarcdID: Current Site Summary Statement
NARR Comments: The site was redeveloped into a dry cleaner and laundromat in about 1978 from was appeared to be a residence in historic aerial photographs. Eventually the laundromat operation ceased and dry clean operations expanded within the entire building. The exact cause of contamination is unknown, however a longtime employee reported that there was at least one solvent spill in the mid-1980s from a broken hose on a solvent delivery truck. Soil, groundwater, and soil gas within the vicinity of the southern portion of the building are contaminated with the dry cleaning solvent tetrachloroethylene and related solvents. Soil impacts remain from about one foot below ground in a utility trench within the building to a depth of about 16 feet below ground south of the dry cleaner building. The levels of contamination are below DEQ s acceptable risk levels. Groundwater

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

contamination is present in the same area at levels exceeding DEQ s risk based concentrations for tap water, and appears to extend beneath a portion of Highway 99 at an average depth of about 16 feet below ground. There are, however, no known beneficial uses of groundwater in the vicinity of the site. The site and surrounding properties are expected to remain commercial and connected to the city water system. An opportunity to comment on the proposed closure was given to the neighboring property owner and the Oregon Department of Transportation. No comments were received within the comment period.

Administrative Action:
Action ID: 9425
Region: Western Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: True
Created Date: 01/08/2020
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Low
Comments: Not reported

Action ID: 9443
Region: Western Region
Complete Date: 07/08/2020
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/08/2020
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 09/19/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/19/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Western Region
Complete Date: 09/19/2012
Rank Value: Not reported

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

Cleanup Flag: False
Created Date: 09/19/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Medium
Comments: Not reported

Operations:
Operation Id: 135987
Operation Status: Active
Common Name: Sunshine Cleaners
Yrs of Operation: 1978 - Present
Comments: Originally a dry cleaner and laundromat that has been converted to dry cleaner only.
Updated Date: 07/08/2020
Updated By: CRICHAR
Decode for OpstatID: Active

DRYCLEANERS:
Name: SUNSHINE CLEANERS
Address: 400 N SITKA AVE
City,State,Zip: NEWBERG, OR 97132
Dry Cleaner ID: 404
Current Status: Dry Cleaner
Last Update: 03/19/2018
DEQID: ORD987191079
Latitude: 45.3030894
Longitude: -122.95868548
Decode for Fstatus: Dry Cleaner
Mail Name: Sunshine Cleaners
Mail Address: 400 N Sitka
Mail City: Newberg
Mail State: OR
Mail ZIP: 97132
Mail Email Address: sunshinecleaners00@gmail.com
Mail Effective Date: 05/19/2005
Mail Last Updated: 10/02/2014
Owner ID: 8521
Own Name: Leland & Peggi Upperman
Own Organization: Sunshine Cleaners
Own Address: 3604 Coffey Ln
Own City: Newberg
Own State: OR
Own ZIP: 97132
Own Phone: 503 538-2621
Own Email Address: sunshinecleaners00@gmail.com
Owner Effective Date: 01/01/2004
Owner Last Updated: 03/19/2018
Property Owner ID: 3900
Property Owner Name: Leland & Peggi Upperma
Property Owner Organization: Not reported
Property Owner Address: 3604 Coffey Lane
Property Owner City: Newberg
Property Owner State: OR

SUNSHINE CLEANERS NEWBERG (Continued) **S106386302**

Property Owner ZIP: 97132
Property Owner Phone: 503 550-4493
Property Owner Email Address: leepegup@gmail.com
Property Owner Effective Date: 02/23/2021
Property Owner Last Updated: 02/23/2021

Name: SUNSHINE CLEANERS SOLVENT DIST
Address: 400 N. SITKA AVE
City,State,Zip: NEWBERG, OR 97132
Dry Cleaner ID: 783
Current Status: SS
Last Update: 11/13/2020
DEQID: Not reported
Latitude: Not reported
Longitude: Not reported
Decode for Fstatus: Not reported
Mail Name: Sunshine Cleaners Solvent Dist
Mail Address: 400 N. Sitka Ave
Mail City: Newberg
Mail State: OR
Mail ZIP: 97132
Mail Email Address: sunshinecleaners00@gmail.com
Mail Effective Date: 01/06/2012
Mail Last Updated: 10/02/2014
Owner ID: 8932
Own Name: Lee & Peggi Upperman
Own Organization: Sunshine Cleaners Solvent Dist
Own Address: 400 N. Sitka Ave
Own City: Newberg
Own State: OR
Own ZIP: 97132
Own Phone: Not reported
Own Email Address: sunshinecleaners00@gmail.com
Owner Effective Date: 01/01/2011
Owner Last Updated: 10/02/2014
Property Owner ID: 3683
Property Owner Name: Michael J & Ruth Anne Lanning
Property Owner Organization: Not reported
Property Owner Address: 352 E Clackamas Circle
Property Owner City: Woodburn
Property Owner State: OR
Property Owner ZIP: 97071
Property Owner Phone: Not reported
Property Owner Email Address: Not reported
Property Owner Effective Date: 01/06/2012
Property Owner Last Updated: 12/02/2016

J59 **MORRIS TEXACO** **ECSI** **1006851785**
NW **101 E 1ST ST** **ENG CONTROLS** **N/A**
1/2-1 **NEWBERG, OR 97132** **INST CONTROL**
0.887 mi. **FINDS**
4683 ft. **Site 1 of 2 in cluster J**

Relative: ECSI:
Higher
Name: MORRIS TEXACO
Actual: Address: 101 E FIRST ST.
180 ft. City,State,Zip: NEWBERG, OR 97132
State ID Number: 3779

MORRIS TEXACO (Continued) **1006851785**

Brown ID: 0
Study Area: False
Region ID: 3
Legislatve ID: 0
Investigation: No Further Action
FACA ID: 17214
Further Action: 0
Lat/Long (dms): 45 18 1.80 / -122 58 44.00
County Code: 36.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 3.00
Township Zone: S
Range Coord: 2.00
Range Zone: W
Section Coord: 19
Qtr Section: Not reported
Tax Lots: Not reported
Size: Not reported
NPL: False
Orphan: True
Updated By: MFRISTE
Update Date: 08/01/2018
Created Date: 01/14/2003
Decode For RegionID: Western Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported
Alias Name: Newberg Shell Service Center
Alias Name: Leif's Fuel & Auto Spa

Narrative:
NARR ID: 5742959
NARR Code: Contamination
Created By: KDANA
Created Date: 01/29/2003
Updated By: KDANA
Updated Date: 01/29/2003
Decode for NarcdID: Contamination
NARR Comments: (1/29/2003 JG/LUST) A release was first reported at this facility in March 1991, although there is evidence that contamination was present at the site as early as 1984. DEQ's Leaking Underground Storage Tank (LUST) Program requested that the site be investigated, but no investigation occurred. In August 1997, petroleum contamination was rediscovered in the soil and shallow groundwater during an upgrade of the fuel transfer pipes. An investigation was finally conducted in 1999. As part of the investigation, three groundwater monitoring wells were installed at the site. High levels of contamination were observed in all three wells, with free-product in one of the wells.

NARR ID: 5742891
NARR Code: Data Sources
Created By: KDANA
Created Date: 01/14/2003
Updated By: KDANA
Updated Date: 01/29/2003
Decode for NarcdID: Data Sources

MORRIS TEXACO (Continued) **1006851785**

NARR Comments: 1) UST Facility #9867. 2) LUST #36-91-4079. 3) LUST #36-97-4133.

NARR ID: 5742958
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 01/29/2003
Updated By: KDANA
Updated Date: 01/29/2003
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum

NARR ID: 5742957
NARR Code: Manner of Release
Created By: KDANA
Created Date: 01/29/2003
Updated By: KDANA
Updated Date: 01/29/2003
Decode for NarcdID: Manner of Release
NARR Comments: Leaking underground storage tanks, from as early as 1984.

NARR ID: 5742960
NARR Code: Remedial Action
Created By: KDANA
Created Date: 01/29/2003
Updated By: DHANSON
Updated Date: 08/26/2010
Decode for NarcdID: Remedial Action
NARR Comments: (1/29/2003 JG/LUST) The three groundwater wells continue to be monitored; however, no cleanup has occurred. In January 2002, DEQ determined that the Morris family was financially unable to investigate or clean up the site. DEQ designated Morris Texaco as an Orphan project in June 2002. A combination Site Investigation and Corrective Action Plan was initiated in July 2002. The SI/CAP is on-going. (8/24/10 DEH/CU) DEQ Tanks Program staff oversaw investigation and removal action activities between 2002 and 2010. Removal actions conducted between June and August 2005 by DEQ's Orphan contractor included: 1) Approximately 67 tons of petrolelum contaminated soil were removed from the former Drive Slab (south of dispenser islands); 2) ventilation of volatile organic vapors from beneath the former Drive Slab; 3) and sealing of a floor vault to prevent VOC migration into the building. Free product that had been observed in monitoring wells in the Drive Slab area was not observed following the removal action. In November 2005 DEQ received and reviewed a risk-based proposal for closure. The DEQ Tanks program issued a conditional NFA for the site on June 7, 2010. The NFA required recording of an Easement and Equitable Servitude that: 1) restricts future groundwater usage, 2) restricts the use of the property for residential purposes, 3) restricts new construction south of the existing buildings without vapor mitigation measures, and 4) requires a health and safety plan be developed and implemented if excavation within the three remaining areas of contamination is performed. Details regarding the NFA and associated land and groundwater restrictions can be found in the NFA letter that is included in this database, and in the DEQ Tanks files for USTC #36-91-4079 and USTC#36-97-4233.

NARR ID: 5752422

MORRIS TEXACO (Continued) **1006851785**

NARR Code: Institutional Control
Created By: DHANSON
Created Date: 08/24/2010
Updated By: DHANSON
Updated Date: 08/24/2010
Decode for NarcdID: Institutional Control
NARR Comments: 1) Groundwater use prohibited 2) Residential use prohibited 3) Construction south of existing buildings restricted 4) Health and Safety Plan required if excavation within three remaining areas of contamination must be performed. An Easement and Equitable Servitude was signed, notarized and recorded with Yamhill County

NARR ID: 5750142
NARR Code: 1922
Created By: GWISTAR
Created Date: 02/04/2008
Updated By: GWISTAR
Updated Date: 11/04/2015
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [August 2010] The property, previously known as the Morris Texaco, and currently in business as the Newberg Shell Service Center, has been used as a retail gas station since the 1920s. The property has been in private ownership for over 100 years and is currently owned by Archie Morris. Petroleum contamination was discovered in 1991 when soil and groundwater contamination was observed during the installation of a tree in the public right-of-way (sidewalk) of East 1st Street. A second petroleum release was discovered in 1997 during upgrade work being performed on the three active gasoline underground storage tank systems. Since the 1991 report of contamination, Mr. Morris has conducted multiple investigations to determine the extent of contamination. Between June and August 2005, he had contaminated soil removed from the area with the highest concentrations. On October 26, 2005, DEQ received a report summarizing environmental work performed to date and an evaluation of the risk associated with remaining contamination.

DEQ's Tanks Program granted an NFA for the site in June 2010 with restrictions on future use of groundwater and the property, and proposes to allow the remaining contamination to naturally degrade in place. This conditional NFA also applies to the ECSI site.

Site Control:
Site Control #: 492
Control Number: 3
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J Glass, DEQ
Last Reviewed Date: 07/07/2010
Last Update By: GWISTAR
Last Updated Date: 05/20/2015
Site Comment: No use of groundwater for drinking or other beneficial uses, no residential use of property, no disturbance of site surface/cap, excavation south of the existing buildings only allowed if a health and safety plan is prepared and implemented.

Site Control #: 908
Control Number: 20
Begin Date: 12/20/2005

MORRIS TEXACO (Continued) **1006851785**

End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J. Glass, DEQ
Last Reviewed Date: 07/07/2010
Last Update By: GWISTAR
Last Updated Date: 05/20/2015
Site Comment: Surface cap must be maintained - and not disturbed in any way that might affect its functionality.

Site Control #: 906
Control Number: 4
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J. Glass, DEQ
Last Reviewed Date: 07/07/2010
Last Update By: GWISTAR
Last Updated Date: 05/20/2015
Site Comment: No use of groundwater at the property for consumption or other beneficial use.

Site Control #: 907
Control Number: 5
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J. Glass, DEQ
Last Reviewed Date: 07/07/2010
Last Update By: GWISTAR
Last Updated Date: 05/20/2015
Site Comment: Residential use of the property is prohibited.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 01/14/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/14/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9453
Region: Western Region
Complete Date: 06/07/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/14/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: ORPHAN SITE

MORRIS TEXACO (Continued) **1006851785**

Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Western Region
Complete Date: 08/26/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/26/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9511
Region: Western Region
Complete Date: 06/07/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 134660
Operation Status: Active
Common Name: Morris Texaco
Yrs of Operation: unknown
Comments: service station
Updated Date: 01/14/2003
Updated By: KDANA
Decode for OpstatID: Active
Operations SIC Id: 198092
SIC Code: 5541
Created By: KDANA
Created Date: 01/14/2003

Enginering Control:
Name: MORRIS TEXACO
Address: 101 E FIRST ST.
City,State,Zip: NEWBERG, OR 97132
Site Control Sequence #: 908
Site Id: 3779
Control Sequence #: 20
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J. Glass, DEQ
Last Review Date: 07/07/2010

MORRIS TEXACO (Continued) **1006851785**

Last Updated By: GWISTAR
Last Updated Date: 05/20/2015
Group Sequence #: 5
Control Code: CLPS
Control Description: Contamination left in place, Soil
FK Type Code: 2
Group Code: CIP
Group Description: Contamination Contained in Place
Type Code: E
Type Description: Engineering
Comments: Surface cap must be maintained - and not disturbed in any way that might affect its functionality.

Institutional Control:
Name: MORRIS TEXACO
Address: 101 E FIRST ST.
City,State,Zip: NEWBERG, OR 97132
Site Control Sequence #: 492
Site Id: 3779
Control Sequence #: 3
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J Glass, DEQ
Last Review Date: 07/07/2010
Last Updated By: GWISTAR
Last Updated Date: 05/20/2015
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: No use of groundwater for drinking or other beneficial uses, no residential use of property, no disturbance of site surface/cap, excavation south of the existing buildings only allowed if a health and safety plan is prepared and implemented.

Name: MORRIS TEXACO
Address: 101 E FIRST ST.
City,State,Zip: NEWBERG, OR 97132
Site Control Sequence #: 906
Site Id: 3779
Control Sequence #: 4
Begin Date: 12/20/2005
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: J. Glass, DEQ
Last Review Date: 07/07/2010
Last Updated By: GWISTAR
Last Updated Date: 05/20/2015
Group Sequence #: 2
Control Code: USG
Control Description: Use Restriction Groundwater
FK Type Code: 1

MORRIS TEXACO (Continued) **1006851785**

Group Code:	PR
Group Description:	Proprietary
Type Code:	I
Type Description:	Institutional
Comments:	No use of groundwater at the property for consumption or other beneficial use.

Name:	MORRIS TEXACO
Address:	101 E FIRST ST.
City,State,Zip:	NEWBERG, OR 97132
Site Control Sequence #:	907
Site Id:	3779
Control Sequence #:	5
Begin Date:	12/20/2005
End Date:	Not reported
Frequency Of Review:	60
Last Reviewed By:	J. Glass, DEQ
Last Review Date:	07/07/2010
Last Updated By:	GWISTAR
Last Updated Date:	05/20/2015
Group Sequence #:	2
Control Code:	USL
Control Description:	Use Restriction Land
FK Type Code:	1
Group Code:	PR
Group Description:	Proprietary
Type Code:	I
Type Description:	Institutional
Comments:	Residential use of the property is prohibited.

FINDS:
Registry ID: 110014137353

Click Here:

Environmental Interest/Information System:
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

MORRIS TEXACO (Continued) **1006851785**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

J60 **J.L. INVESTMENTS, LLC** **ECSI** **S126298419**
NW **105 N MAIN ST** **N/A**
1/2-1 **NEWBERG, OR 97132**
0.909 mi.
4799 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
180 ft.

ECSI:

Name:	J.L. INVESTMENTS, LLC
Address:	105 N MAIN ST
City,State,Zip:	NEWBERG, OR 97132
State ID Number:	6414
Brown ID:	0
Study Area:	False
Region ID:	3
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	160492
Further Action:	0
Lat/Long (dms):	45 18 2.00 / -122 58 45.00
County Code:	36.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	3.00
Township Zone:	S
Range Coord:	2.00
Range Zone:	W
Section Coord:	19
Qtr Section:	Not reported
Tax Lots:	R3219AB 05400 & 05500
Size:	0.38 acres
NPL:	False
Orphan:	False
Updated By:	JCLAUSS
Update Date:	04/23/2020
Created Date:	04/21/2020
Decode For RegionID:	Western Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported
Alias Name:	Newberg PPA

Administrative Action:

Action ID:	9424
Region:	Not reported
Complete Date:	04/21/2020
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	04/21/2020
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Not reported
Category:	Administrative Action
Action Code Flag:	False
Action:	Site added to database
Further Action:	Not reported

J.L. INVESTMENTS, LLC (Continued) **S126298419**

Comments: Not reported

Action ID: 9469
Region: Western Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/21/2020
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Western Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

CRL: Confirmed Release List and Inventory

All facilities with a confirmed release.

Date of Government Version: 08/01/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 503-229-6170
Last EDR Contact: 11/10/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

ECSI: Environmental Cleanup Site Information System

Sites that are or may be contaminated and may require cleanup.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-6629
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/09/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/20/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-6299
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 503-229-5790
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87
Source: Department of Environmental Quality
Telephone: 503-229-5815
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks
Aboveground storage tank locations reported to the Office of State Fire Marshal.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 08/18/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 86
Source: Office of State Fire Marshal
Telephone: 503-378-3473
Last EDR Contact: 10/25/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Recorded at ESCI Sites

Engineering controls are physical measures selected or approved by the Director for the purpose of preventing or minimizing exposure to hazardous substances. Engineering controls may include, but are not limited to, fencing, capping, horizontal or vertical barriers, hydraulic controls, and alternative water supplies.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-5193
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/09/2022
Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Recorded at ESCI Sites

An institutional control is a legal or administrative tool or action taken to reduce the potential for exposure to hazardous substances. Institutional controls may include, but are not limited to, use restrictions, environmental monitoring requirements, and site access and security measures.

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-5193
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/09/2022
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VCS: Voluntary Cleanup Program Sites

Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/22/2021
Number of Days to Update: 84

Source: DEQ
Telephone: 503-229-5256
Last EDR Contact: 10/21/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects

Brownfields investigations and/or cleanups that have been conducted in Oregon.

Date of Government Version: 08/01/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 503-229-6801
Last EDR Contact: 11/10/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facility Location Listing

A listing of recycling facility locations.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/15/2021
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: 503-229-5353
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

HIST LF: Old Closed SW Disposal Sites

A list of solid waste disposal sites that have been closed for a long while.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 07/08/2003
Date Made Active in Reports: 07/18/2003
Number of Days to Update: 10

Source: Department of Environmental Quality
Telephone: 503-229-5409
Last EDR Contact: 07/08/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

AOC MU: East Multnomah County Area
Approximate extent of TSA VOC plume February , 2002

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 10/07/2002
Date Made Active in Reports: 10/22/2002
Number of Days to Update: 15
Source: City of Portland Environmental Services
Telephone: 503-823-5310
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AOC COL: Columbia Slough
Columbia Slough waterway boundaries.

Date of Government Version: 08/10/2005
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/16/2006
Number of Days to Update: 30
Source: City of Portland Environmental Services
Telephone: 503-823-5310
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CDL: Uninhabitable Drug Lab Properties
The properties listed on these county pages have been declared by a law enforcement agency to be unfit for use due to meth lab and/or storage activities. The properties are considered uninhabitable until cleaned up by a state certified decontamination contractor and a certificate of fitness is issued by the Oregon Health Division.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 10/20/2021
Number of Days to Update: 50
Source: Department of Consumer & Business Services
Telephone: 503-378-4133
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

CDL 2: Clandestine Drug Lab Site Listing
A listing of clandestine drug lab site locations included in the Incident database.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/26/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 85
Source: Oregon State Police
Telephone: 503-373-1540
Last EDR Contact: 10/25/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

PFAS: PFAS Site Contamination Listing
Site locations where pfas contamination has been detected.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/05/2021
Date Made Active in Reports: 07/21/2021
Number of Days to Update: 77
Source: Department of Environmental Quality
Telephone: 503-229-6783
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

SPILLS: Spill Data
Oil and hazardous material spills reported to the Environmental Response Program.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/22/2021
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 503-229-5815
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

HAZMAT: Hazmat/Incidents

Hazardous material incidents reported to the State Fire Marshal by emergency responders. The hazardous material may or may not have been released.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/26/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 85

Source: State Fire Marshal's Office
Telephone: 503-373-1540
Last EDR Contact: 10/27/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

AIRS: Oregon Title V Facility Listing

A listing of Title V facility source and emissions information.

Date of Government Version: 06/24/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-6459
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Sites Listing
A listing of coal ash disposal sites.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/15/2021
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 541-298-7255
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities
A listing of registered drycleaning facilities in Oregon.

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 503-229-6783
Last EDR Contact: 10/25/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Annually

ENF: Enforcement Action Listing
Enforcement actions

Date of Government Version: 09/09/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 503-229-5696
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information for hazardous waste facilities.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 541-633-2011
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Financial Assurance 2: Financial Assurance Information Listing
Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/31/2021
Date Data Arrived at EDR: 09/02/2021
Date Made Active in Reports: 09/15/2021
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 503-229-5521
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

HSIS: Hazardous Substance Information Survey
Companies in Oregon submitting the Hazardous Substance Information Survey and either reporting or not reporting hazardous substances.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/26/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 85

Source: State Fire Marshal's Office
Telephone: 503-373-1540
Last EDR Contact: 10/27/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

OR MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

NPDES: Wastewater Permits Database
A listing of permitted wastewater facilities.

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 08/02/2021
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 503-229-5657
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UIC: Underground Injection Control Program Database
DEQ's Underground Injection Control Program is authorized by the Environmental Protection Agency (EPA) to regulate all underground injection in Oregon to protect groundwater resources.

Date of Government Version: 10/11/2021
Date Data Arrived at EDR: 11/04/2021
Date Made Active in Reports: 12/06/2021
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 503-229-5945
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listings
Source: Employment Department
Telephone: 503-947-1420

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Oregon Geospatial Enterprise Office
Telephone: 503-378-2166

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER SP FIBER TECHNOLOGIES/WESTROCK FACILITY
1301 WYNOOSKI ROAD
NEWBERG, OR 97132

TARGET PROPERTY COORDINATES

Latitude (North):	45.28786 - 45ˆ 17’ 16.30’’
Longitude (West):	122.95618 - 122ˆ 57’ 22.25’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	503436.4
UTM Y (Meters):	5014712.5
Elevation:	143 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14878140 NEWBERG, OR
Version Date:	2020

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

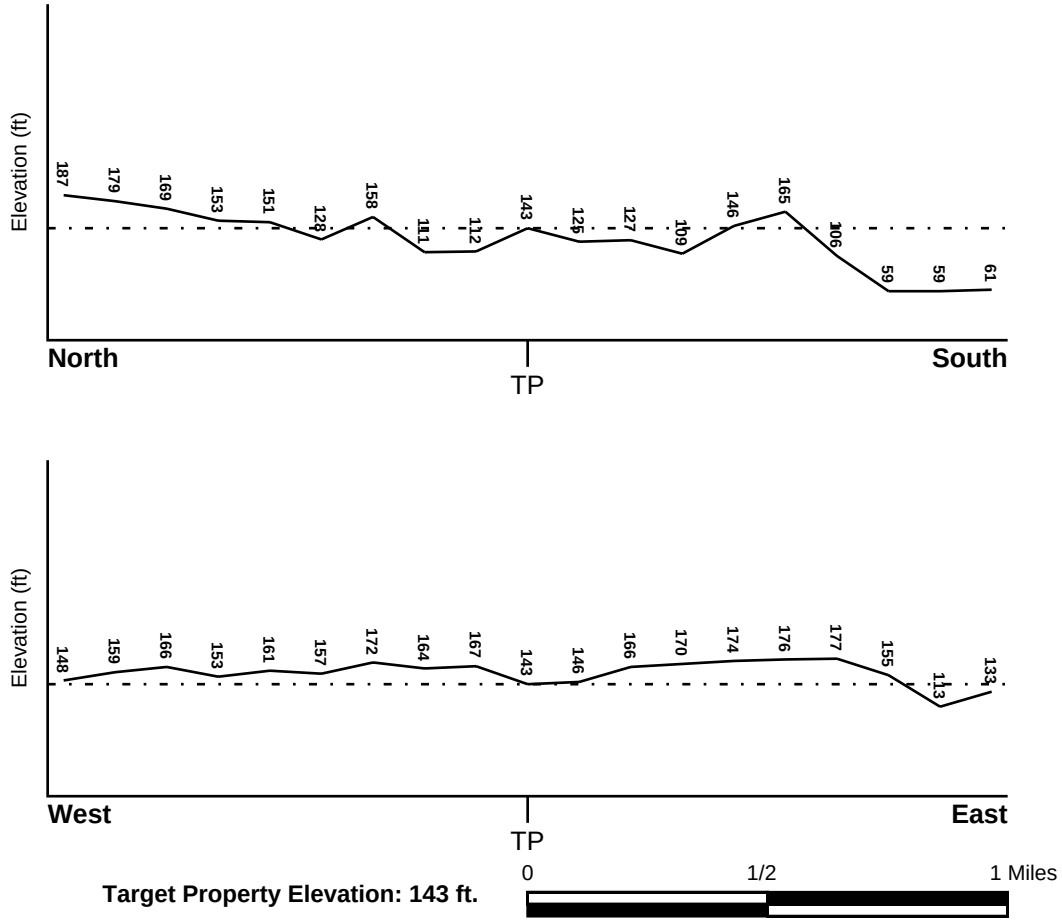
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
41047C0025G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NEWBERG	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

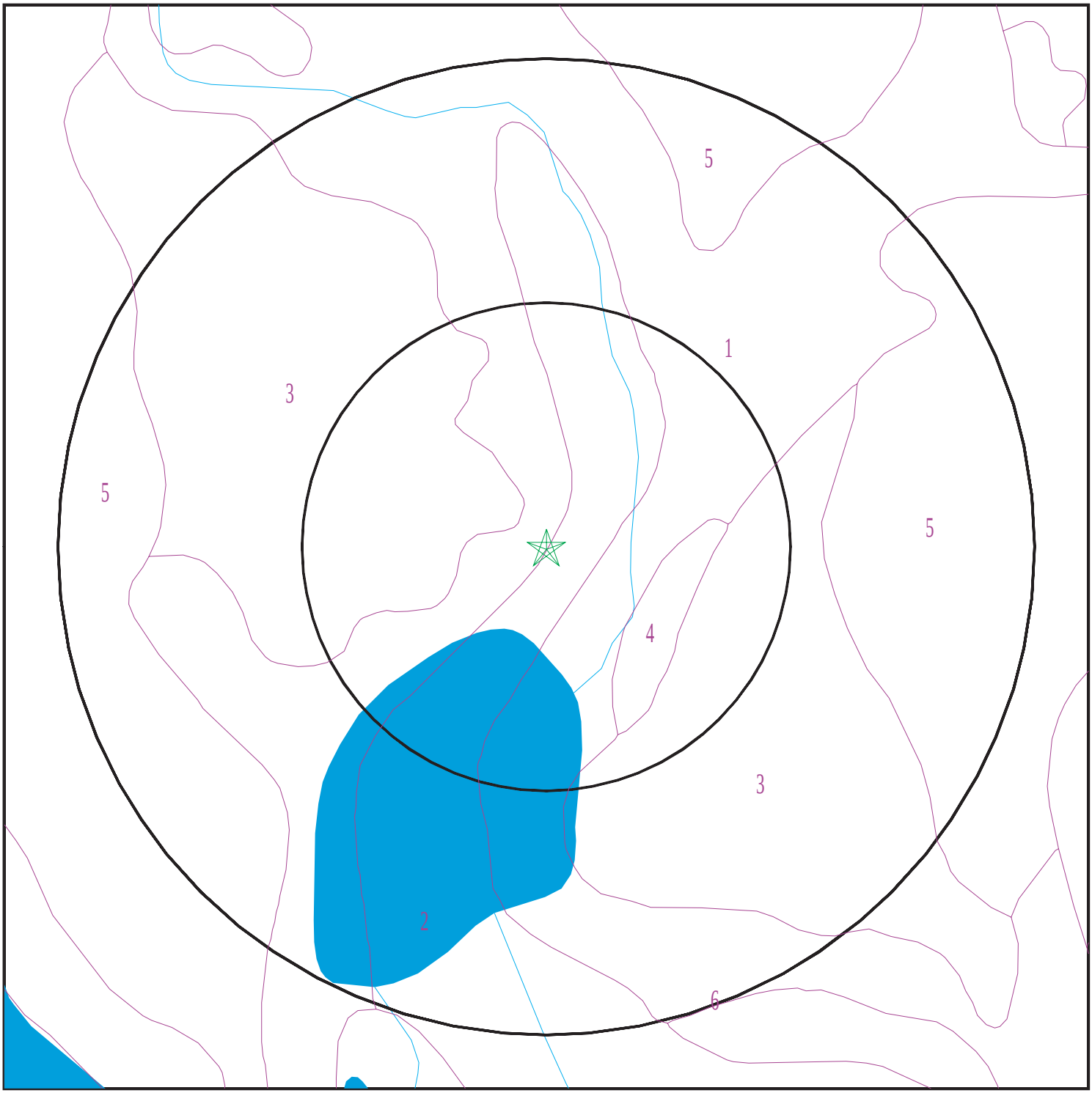
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6784202.2s



SITE NAME:	Former SP Fiber Technologies/Westrock Facility	CLIENT:	EnviroAnalytics Group, LLC
ADDRESS:	1301 Wynooski Road Newberg OR 97132	CONTACT:	Maureen Roth
		INQUIRY #:	6784202.2s
LAT/LONG:	45.28786 / 122.95618	DATE:	December 10, 2021 3:02 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Terrace escarpments

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 1.4	Max: 6 Min: 5.1
2	11 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 1.4	Max: 6 Min: 5.1

Soil Map ID: 2

Soil Component Name: Wapato

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 8 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6
2	16 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6
3	31 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6

Soil Map ID: 3

Soil Component Name: Woodburn

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6
2	9 inches	57 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6
3	57 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6

Soil Map ID: 4

Soil Component Name: Woodburn

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6
2	9 inches	57 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6
3	57 inches	64 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 6.5 Min: 5.6

Soil Map ID: 5

Soil Component Name: Aloha

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6
2	7 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6
3	33 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6

Soil Map ID: 6

Soil Component Name: Amity

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6
2	18 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6.5 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C5	USGS40000992531	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

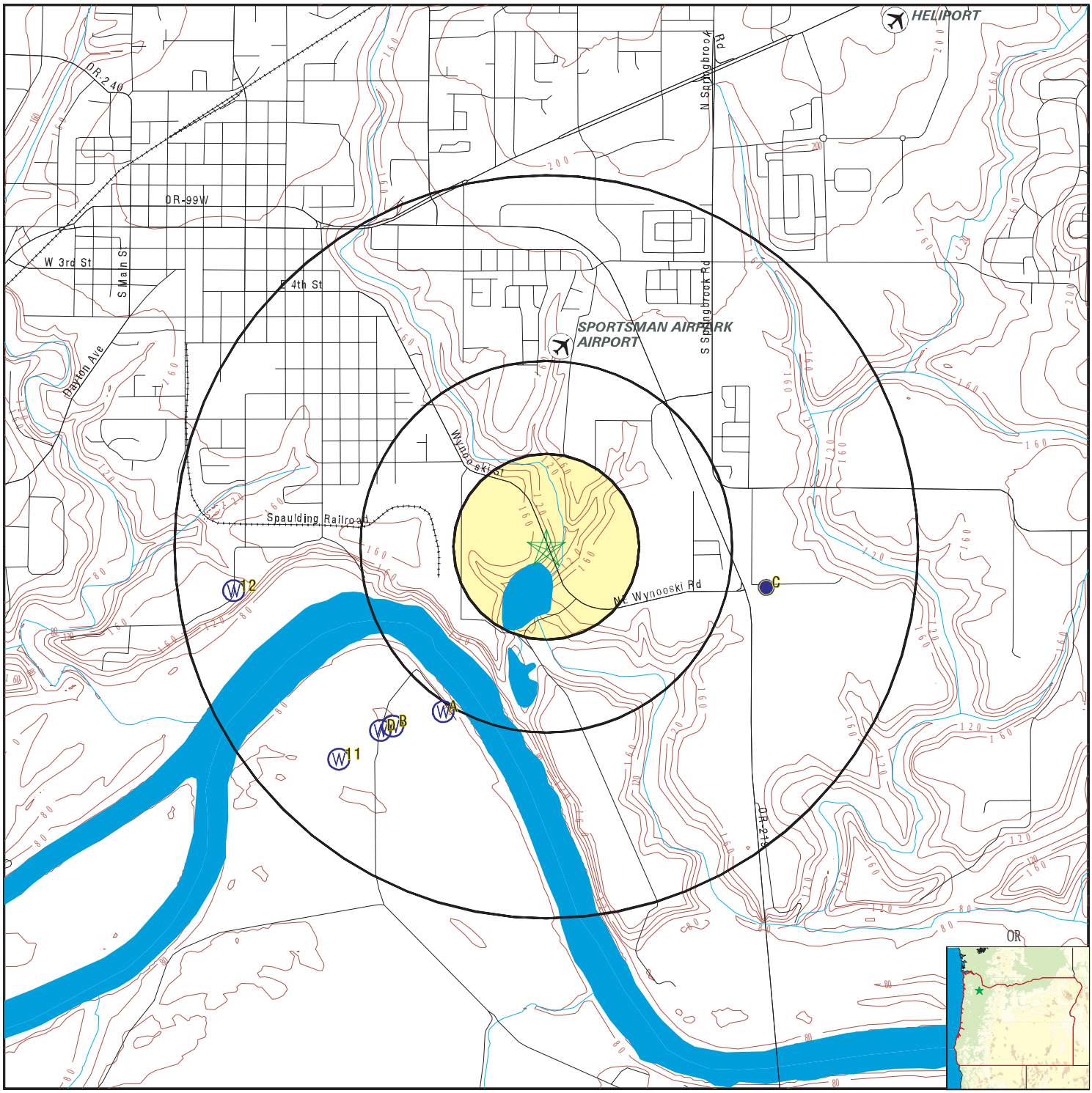
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	ORWD70000009648	1/2 - 1 Mile SSW
A2	ORWD70000018447	1/2 - 1 Mile SSW
A3	ORWD70000021129	1/2 - 1 Mile SW
B4	ORWD70000018437	1/2 - 1 Mile SW
C6	ORWD70000004701	1/2 - 1 Mile East
B7	ORWD70000018436	1/2 - 1 Mile SW
B8	ORWD70000018435	1/2 - 1 Mile SW
D9	ORWD70000003403	1/2 - 1 Mile SW
D10	ORWD70000019940	1/2 - 1 Mile SW
11	ORWD70000018005	1/2 - 1 Mile SW
12	ORWD70000002366	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 6784202.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME:	Former SP Fiber Technologies/Westrock Facility	CLIENT:	EnviroAnalytics Group, LLC
ADDRESS:	1301 Wynooski Road Newberg OR 97132	CONTACT:	Maureen Roth
		INQUIRY #:	6784202.2s
LAT/LONG:	45.28786 / 122.95618	DATE:	December 10, 2021 3:02 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000009648**

GW Site ID:	10259	Site Type:	WELL
Stage:	Complete	GW Log ID:	YAMH0051996
GW Well County:	YAMH	GW Well Number:	51996
Well Tag Number:	33668	Tag Verified:	1
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	Sabrina White
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	102	Land Surface Elevation (ft):	90.98
Water Level Count:	11	WL Measuring Started:	30-MAR-04
WL Measuring Ended:	16-MAR-17	Obs Well Status:	Obs Well Non-Current
Hydrography URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_hydrograph/Hydrograph.aspx?gw_logid=YAMH0051996		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=YAMH&wl_nbr=51996		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=10259		

A2
SSW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000018447**

GW Site ID:	20006	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0059721
GW Well County:	MARI	GW Well Number:	59721
Well Tag Number:	82772	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	wozniakc
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	100	Land Surface Elevation (ft):	88.58
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=59721		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=20006		

A3
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000021129**

GW Site ID:	31493	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0066282
GW Well County:	MARI	GW Well Number:	66282
Well Tag Number:	112726	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	barnethj
Aquifer:	Not Reported	Aquifer System:	Not Reported
Max Depth:	100	Land Surface Elevation (ft):	84.17
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		

Well Log URL: https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=66282
OWRD URL: https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=31493

B4
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000018437**

GW Site ID:	19996	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000181
GW Well County:	MARI	GW Well Number:	181
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	wozniakc
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	100	Land Surface Elevation (ft):	0
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=181		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=19996		

C5
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000992531**

Organization ID:	USGS-OR	Organization Name:	USGS Oregon Water Science Center
Monitor Location:	03S/02W-28BAC	Type:	Well
Description:	NAWQA data entry com.&ver.09/08/1999 Hinkle SR		
HUC:	17090010	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported		
Aquifer:	Willamette Lowland basin-fill aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Unconfined single aquifer
Construction Date:	19740311	Well Depth:	74
Well Depth Units:	ft	Well Hole Depth:	74
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1993-08-05
Feet below surface:	10.70	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1974-03-11	Feet below surface:	4.00
Feet to sea level:	Not Reported	Note:	Not Reported

C6
East
1/2 - 1 Mile
Higher

OR WELLS **ORWD70000004701**

GW Site ID:	4813	Site Type:	WELL
Stage:	Complete	GW Log ID:	YAMH0002645
GW Well County:	YAMH	GW Well Number:	2645
Well Tag Number:	0	Tag Verified:	0

Site Source:	USGS	State Observation #:	0
Well Status:	Not Reported	Established By:	KARL WOZNIAK
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	74	Land Surface Elevation (ft):	160
Water Level Count:	7	WL Measuring Started:	05-AUG-93
WL Measuring Ended:	14-JUN-11	Obs Well Status:	Obs Well Non-Current
Hydrography URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_hydrograph/Hydrograph.aspx?gw_logid=YAMH0002645		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=YAMH&wl_nbr=2645		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=4813		

B7
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000018436**

GW Site ID:	19995	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000182
GW Well County:	MARI	GW Well Number:	182
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	wozniakc
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	94	Land Surface Elevation (ft):	0
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=182		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=19995		

B8
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000018435**

GW Site ID:	19994	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000185
GW Well County:	MARI	GW Well Number:	185
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	wozniakc
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	101	Land Surface Elevation (ft):	90
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=185		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=19994		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D9
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000003403**

GW Site ID:	3510	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000194
GW Well County:	MARI	GW Well Number:	194
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	KARL WOZNIAK
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	90	Land Surface Elevation (ft):	90
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=194		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=3510		

D10
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000019940**

GW Site ID:	26866	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000192
GW Well County:	MARI	GW Well Number:	192
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	wozniakc
Aquifer:	Not Reported	Aquifer System:	Not Reported
Max Depth:	0	Land Surface Elevation (ft):	0
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=192		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=26866		

11
SW
1/2 - 1 Mile
Lower

OR WELLS **ORWD70000018005**

GW Site ID:	19533	Site Type:	WELL
Stage:	Complete	GW Log ID:	MARI0000188
GW Well County:	MARI	GW Well Number:	188
Well Tag Number:	0	Tag Verified:	0
Site Source:	OWRD	State Observation #:	0
Well Status:	Not Reported	Established By:	bouchiac
Aquifer:	Quaternary-Late Tertiary sediment Aq		
Aquifer System:	Quaternary-Late Tertiary Sediment Aquifers		
Max Depth:	97	Land Surface Elevation (ft):	90
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		

Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=MARI&wl_nbr=188
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=19533

12
West
1/2 - 1 Mile
Higher

OR WELLS **ORWD70000002366**

GW Site ID:	2466	Site Type:	WELL
Stage:	Complete	GW Log ID:	YAMH0002658
GW Well County:	YAMH	GW Well Number:	2658
Well Tag Number:	0	Tag Verified:	0
Site Source:	USGS	State Observation #:	0
Well Status:	Not Reported	Established By:	KARL WOZNIAK
Aquifer:	Not Reported	Aquifer System:	Not Reported
Max Depth:	0	Land Surface Elevation (ft):	160
Water Level Count:	0	WL Measuring Started:	Not Reported
WL Measuring Ended:	Not Reported	Obs Well Status:	Not Reported
Hydrography URL:	Not Reported		
Well Log URL:	https://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?wl_county_code=YAMH&wl_nbr=2658		
OWRD URL:	https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/gw_details.aspx?gw_site_id=2466		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: OR Radon

Radon Test Results

Zipcode	Num Tests	Maximum	Minimum	Average	# > 4 pCi/L
97132	10	6.6	1	2.5	1

Federal EPA Radon Zone for YAMHILL County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Oregon Geospatial Enterprise Office
Telephone: 503-378-2166

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data
Source: Department of Water Resources
Telephone: 503-986-0843

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations
Source: Department of Geology and Mineral Industries
Telephone: 971-673-1540
A listing of oil and gas well locations in the state.

RADON

State Database: OR Radon
Source: Oregon Health Services
Telephone: 503-731-4272
Radon Levels in Orgeon

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Former SP Fiber Technologies/Westrock Facility

1301 Wynooski Road

Newberg, OR 97132

Inquiry Number: 6784202.3

December 10, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/10/21

Site Name:

Former SP Fiber Technologies
1301 Wynooski Road
Newberg, OR 97132
EDR Inquiry # 6784202.3

Client Name:

EnviroAnalytics Group, LLC
1650 Des Peres Road
Saint Louis, MO 63131
Contact: Maureen Roth

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by EnviroAnalytics Group, LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 6DAA-4E0E-8494

PO # NA

Project Newberg LLC

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 6DAA-4E0E-8494

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX B

Aerial Images

Former SP Fiber Technologies/Westrock Facility

1301 Wynooski Road

Newberg, OR 97132

Inquiry Number: 6784202.8

December 14, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/14/21

Site Name:

Former SP Fiber Technologies
1301 Wynooski Road
Newberg, OR 97132
EDR Inquiry # 6784202.8

Client Name:

EnviroAnalytics Group, LLC
1650 Des Peres Road
Saint Louis, MO 63131
Contact: Maureen Roth

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=750'	Flight Year: 2016	USDA/NAIP
2012	1"=750'	Flight Year: 2012	USDA/NAIP
2009	1"=750'	Flight Year: 2009	USDA/NAIP
2006	1"=750'	Flight Year: 2006	USDA/NAIP
2000	1"=750'	Acquisition Date: January 01, 2000	USGS/DOQQ
1994	1"=750'	Acquisition Date: May 23, 1994	USGS/DOQQ
1981	1"=750'	Flight Date: August 10, 1981	USDA
1975	1"=750'	Flight Date: September 13, 1975	USGS
1970	1"=750'	Flight Date: July 05, 1970	USGS
1960	1"=750'	Flight Date: July 17, 1960	USGS
1954	1"=750'	Flight Date: June 21, 1954	USGS
1952	1"=750'	Flight Date: July 03, 1952	USGS
1947	1"=750'	Flight Date: October 25, 1947	USDA
1936	1"=750'	Flight Date: January 01, 1936	USDA

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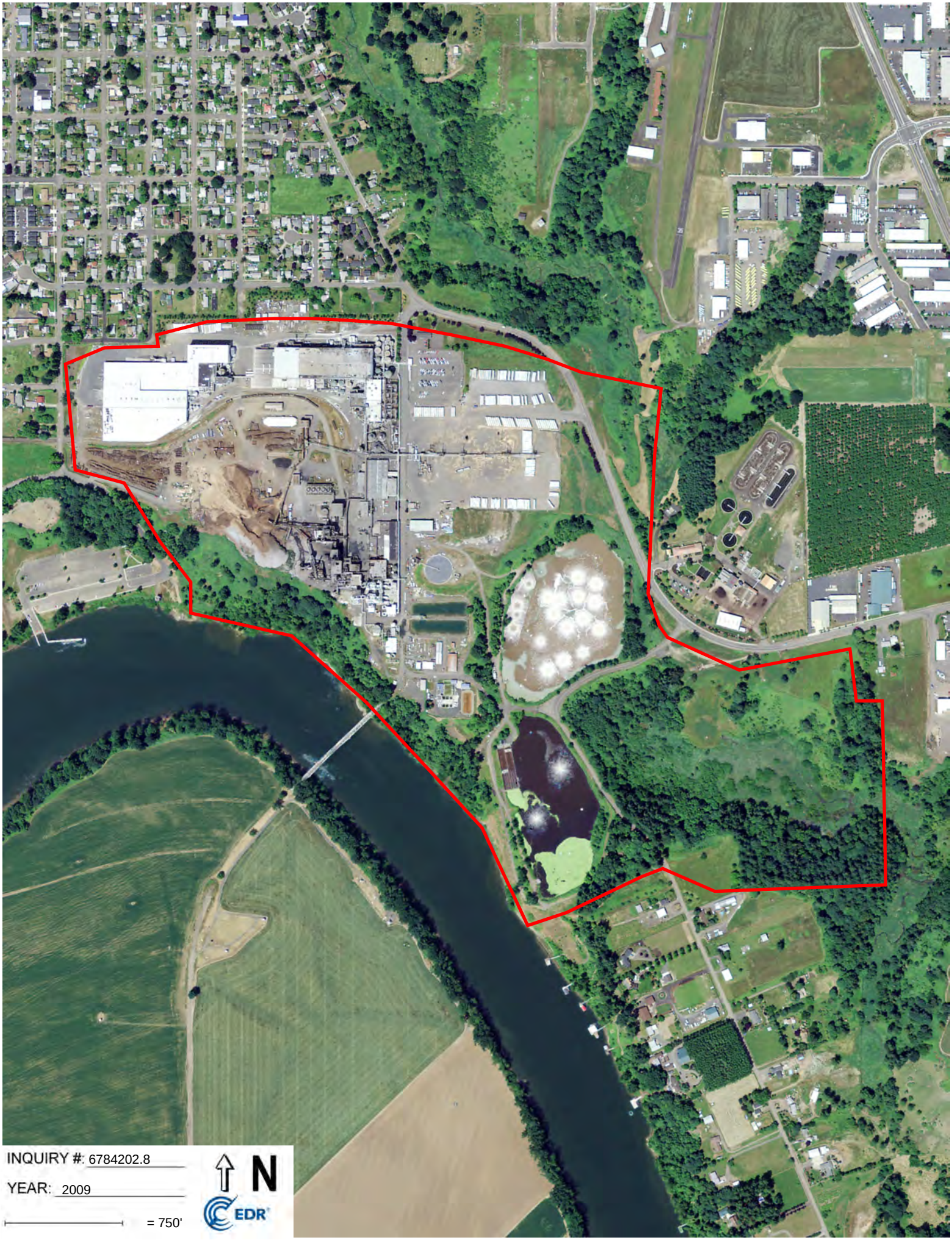
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INQUIRY #: 6784202.8
YEAR: 2016
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 2012
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 2009
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 2006
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 2000
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1994
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1981
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1975
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1970
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1960
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1954
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1952
= 750'
N
EDR


INQUIRY #: 6784202.8
YEAR: 1947
= 750'
N
EDR



INQUIRY #: 6784202.8

YEAR: 1936

= 750'

N

EDR


Newberg OR LLC
Image Date: 6/17/2021
N
1000 ft
Google Earth

APPENDIX C

EDR Topo Maps

Former SP Fiber Technologies/Westrock Facility

1301 Wynooski Road

Newberg, OR 97132

Inquiry Number: 6784202.4

December 10, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/10/21

Site Name:

Former SP Fiber Technologies
1301 Wynooski Road
Newberg, OR 97132
EDR Inquiry # 6784202.4

Client Name:

EnviroAnalytics Group, LLC
1650 Des Peres Road
Saint Louis, MO 63131
Contact: Maureen Roth

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by EnviroAnalytics Group, LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: Newberg LLC

Coordinates:

Latitude:	45.28786 45° 17' 16" North
Longitude:	-122.95618 -122° 57' 22" West
UTM Zone:	Zone 10 North
UTM X Meters:	503436.35
UTM Y Meters:	5014929.74
Elevation:	145.40' above sea level

Maps Provided:

2020	1939
2017	1916
2014	
1985	
1970	
1961	
1954	
1940	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2020 Source Sheets



Newberg
2020
7.5-minute, 24000

2017 Source Sheets



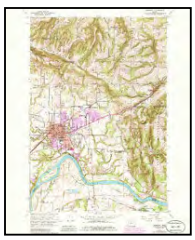
Newberg
2017
7.5-minute, 24000

2014 Source Sheets



Newberg
2014
7.5-minute, 24000

1985 Source Sheets

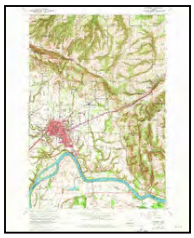


Newberg
1985
7.5-minute, 24000
Aerial Photo Revised 1981

Topo Sheet Key

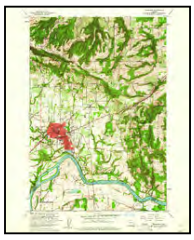
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1970 Source Sheets



Newberg
1970
7.5-minute, 24000
Aerial Photo Revised 1970

1961 Source Sheets



Newberg
1961
7.5-minute, 24000
Aerial Photo Revised 1952

1954 Source Sheets



Newberg
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1940 Source Sheets



Tualatin
1940
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1939 Source Sheets



Tualatin
1939
15-minute, 62500

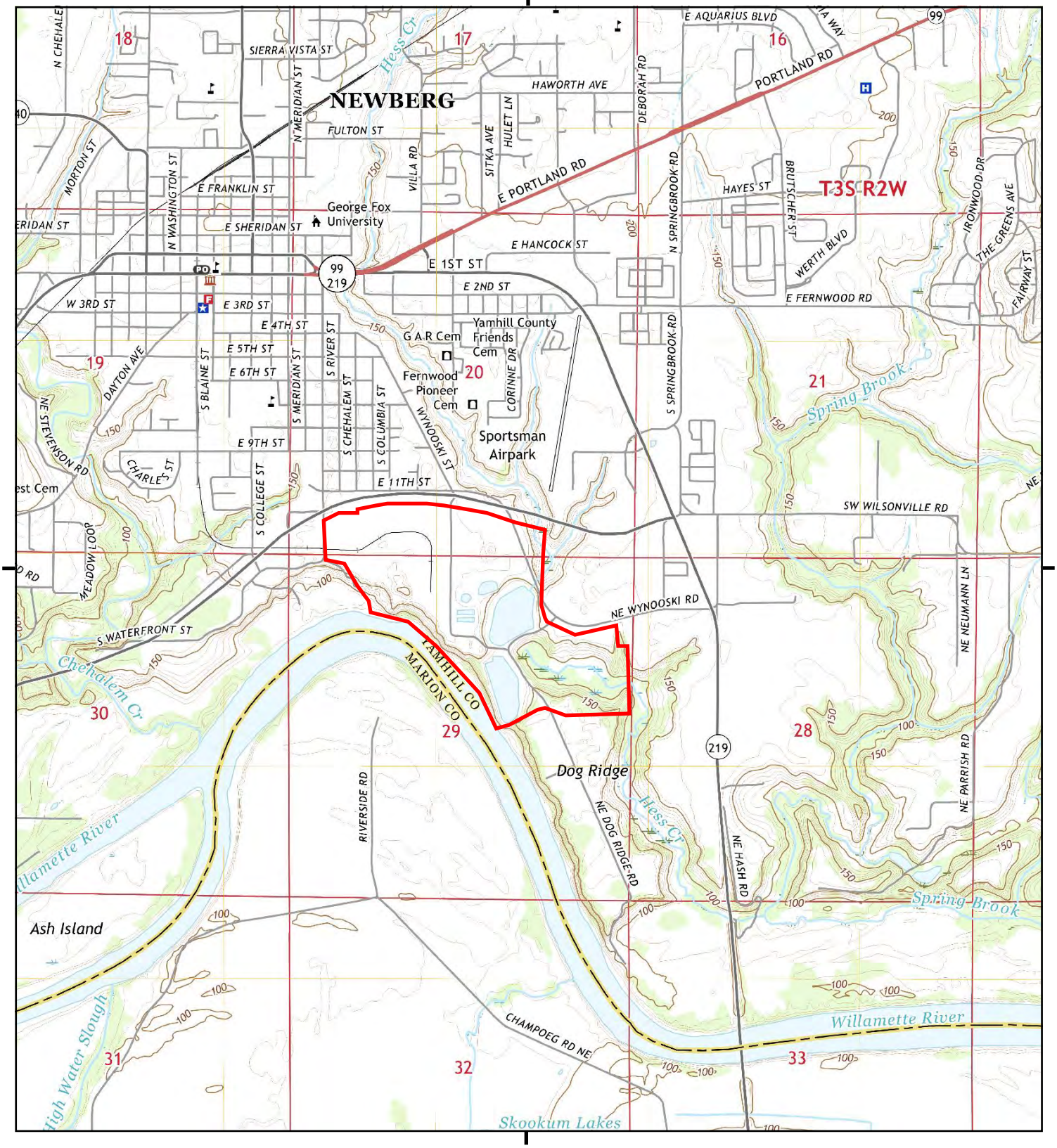
1916 Source Sheets



Tualatin
1916
15-minute, 62500

Historical Topo Map

2020



This report includes information from the following map sheet(s).

TP, Newberg, 2020, 7.5-minute

NW N NE
W E
SW S SE

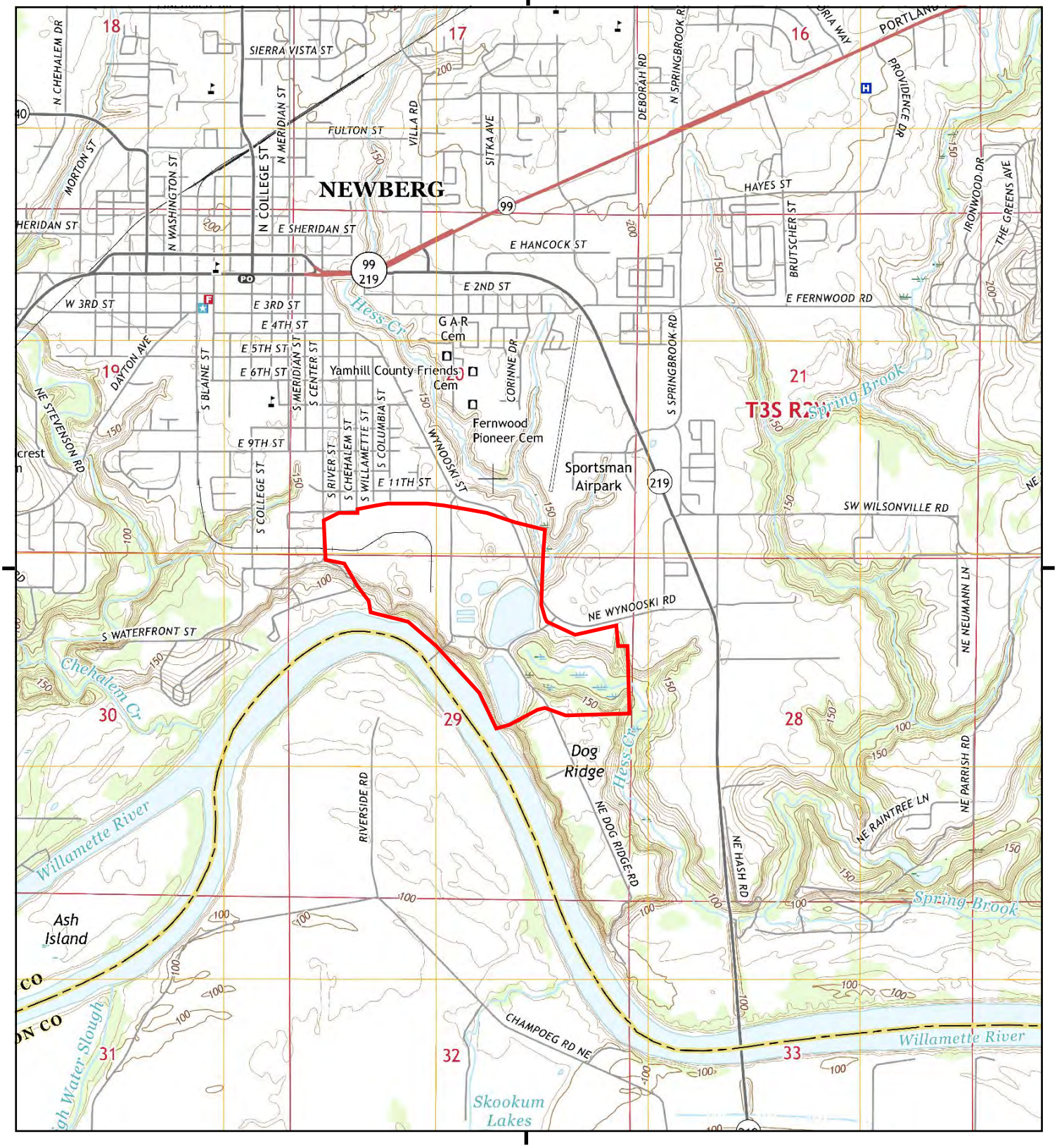
0 Miles 0.25 0.5 1 1.5

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

2017



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

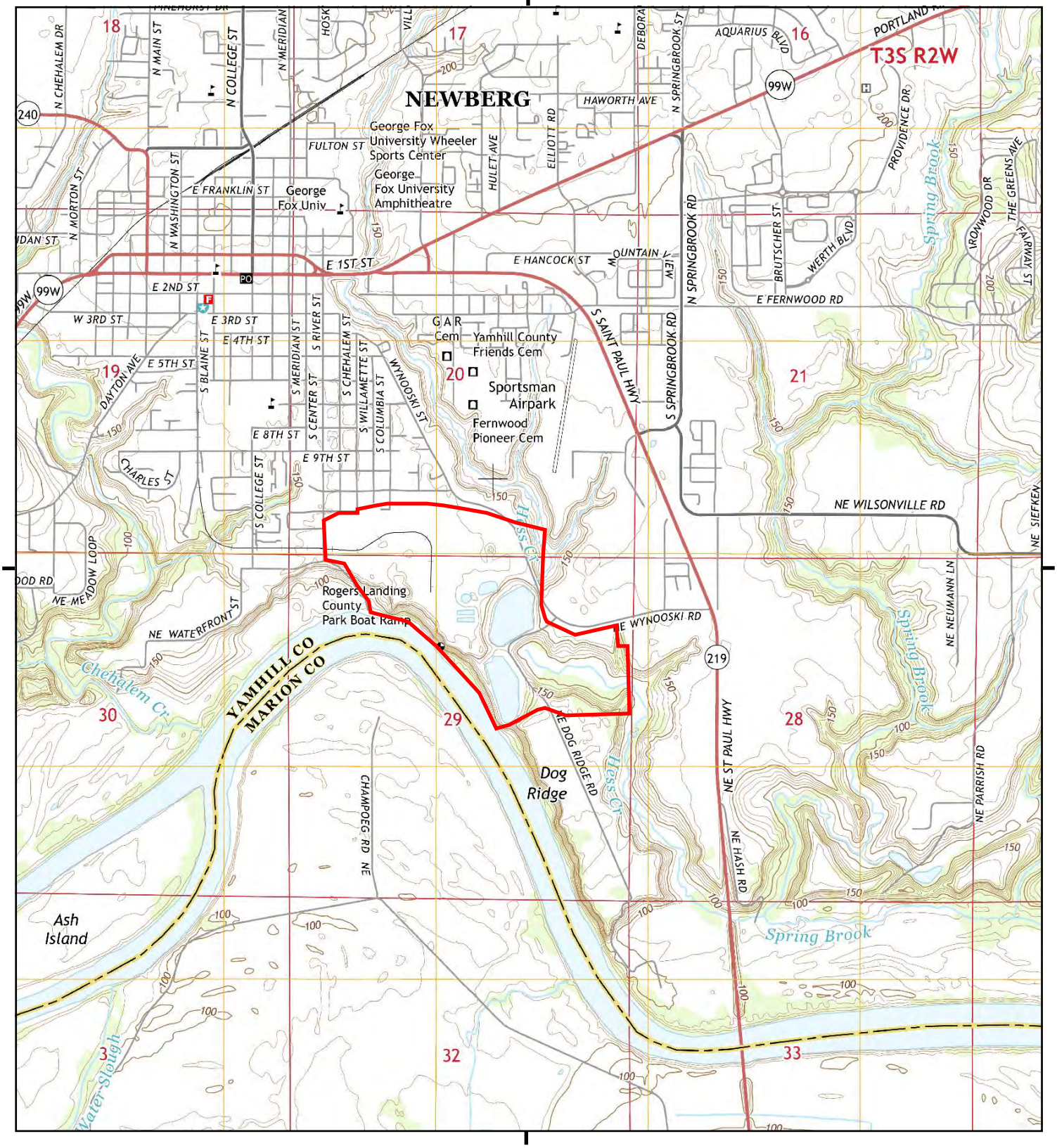
TP, Newberg, 2017, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

2014



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

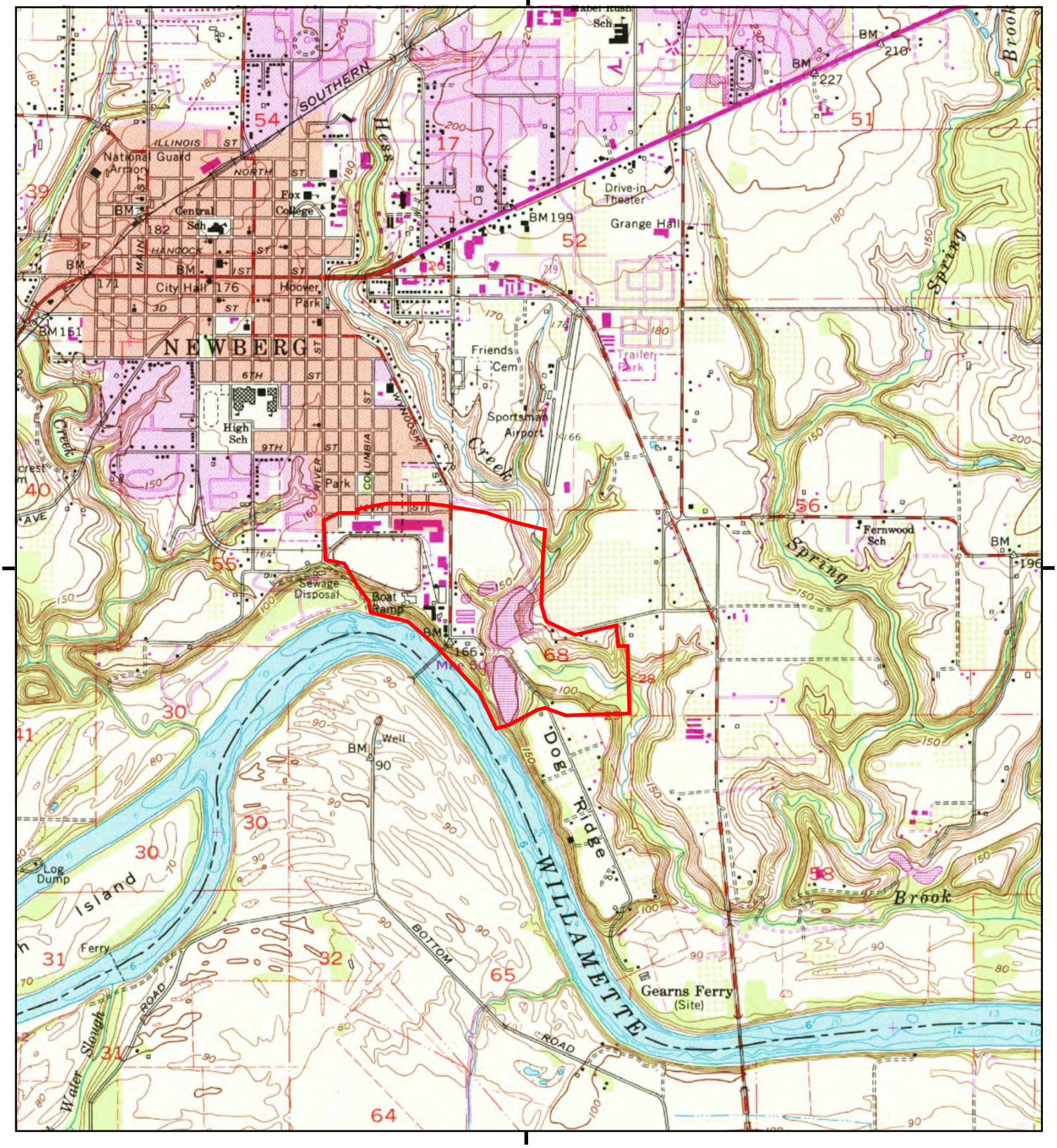
TP, Newberg, 2014, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

1985



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

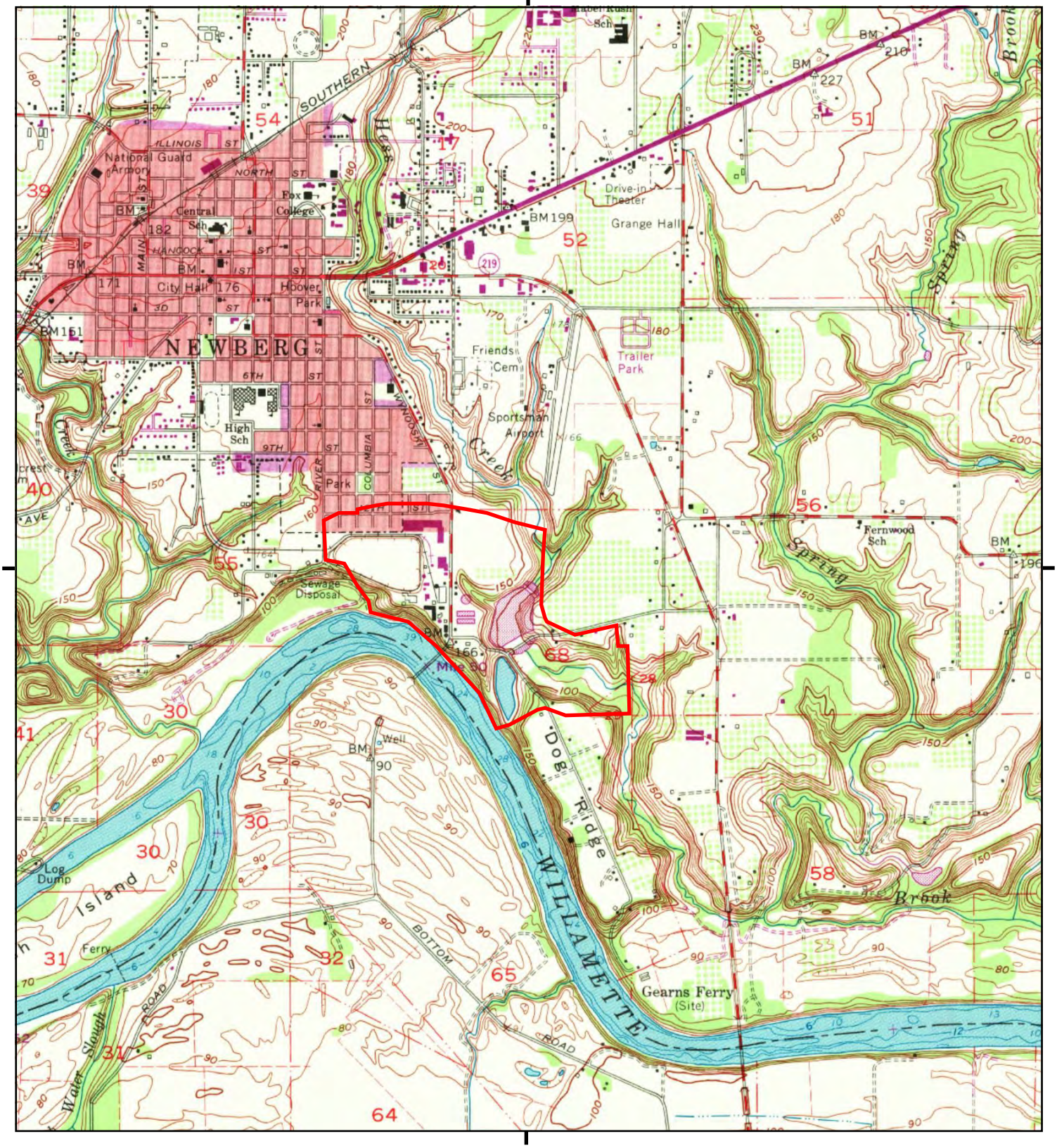
TP, Newberg, 1985, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

1970



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

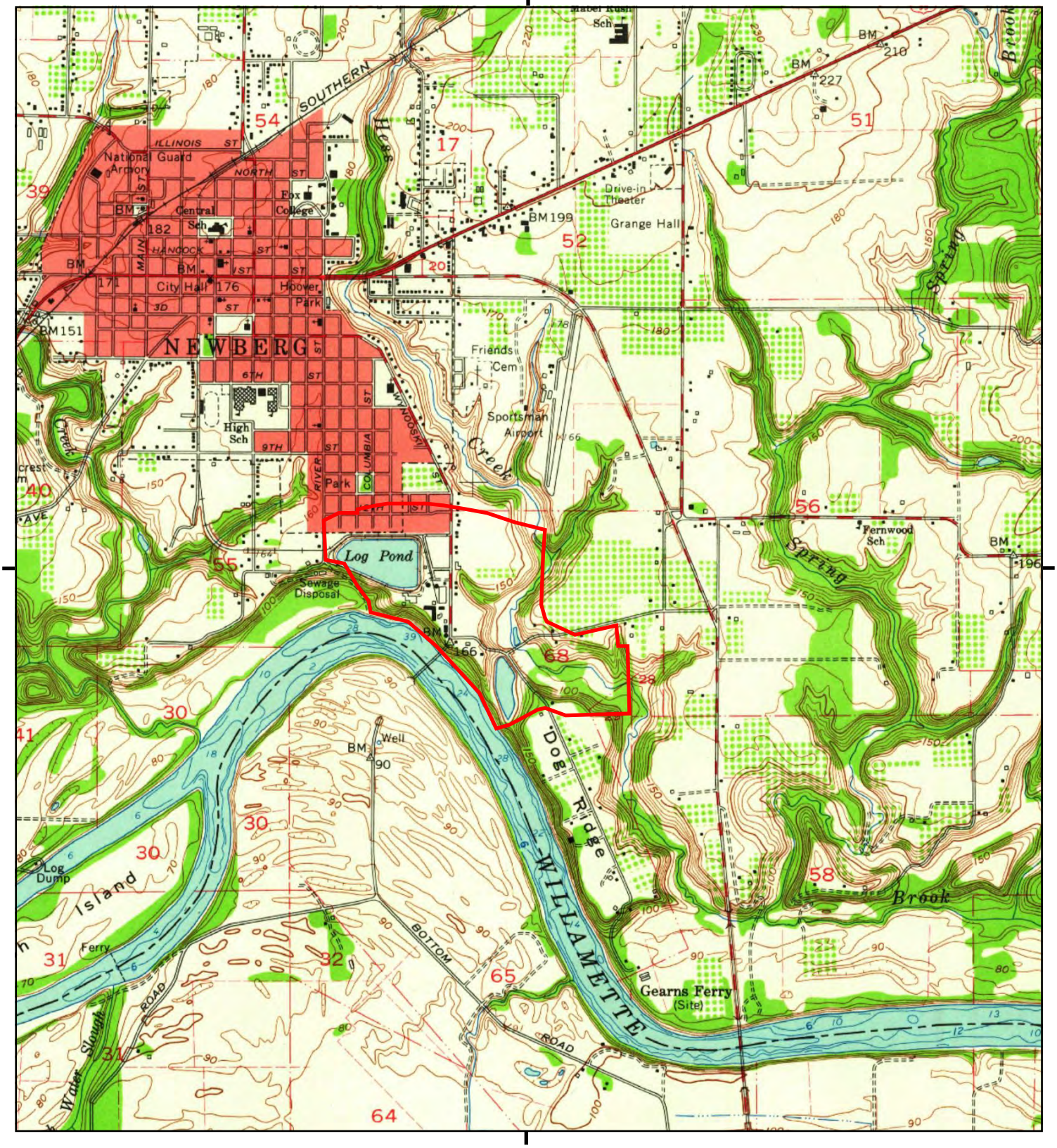
TP, Newberg, 1970, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

1961



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

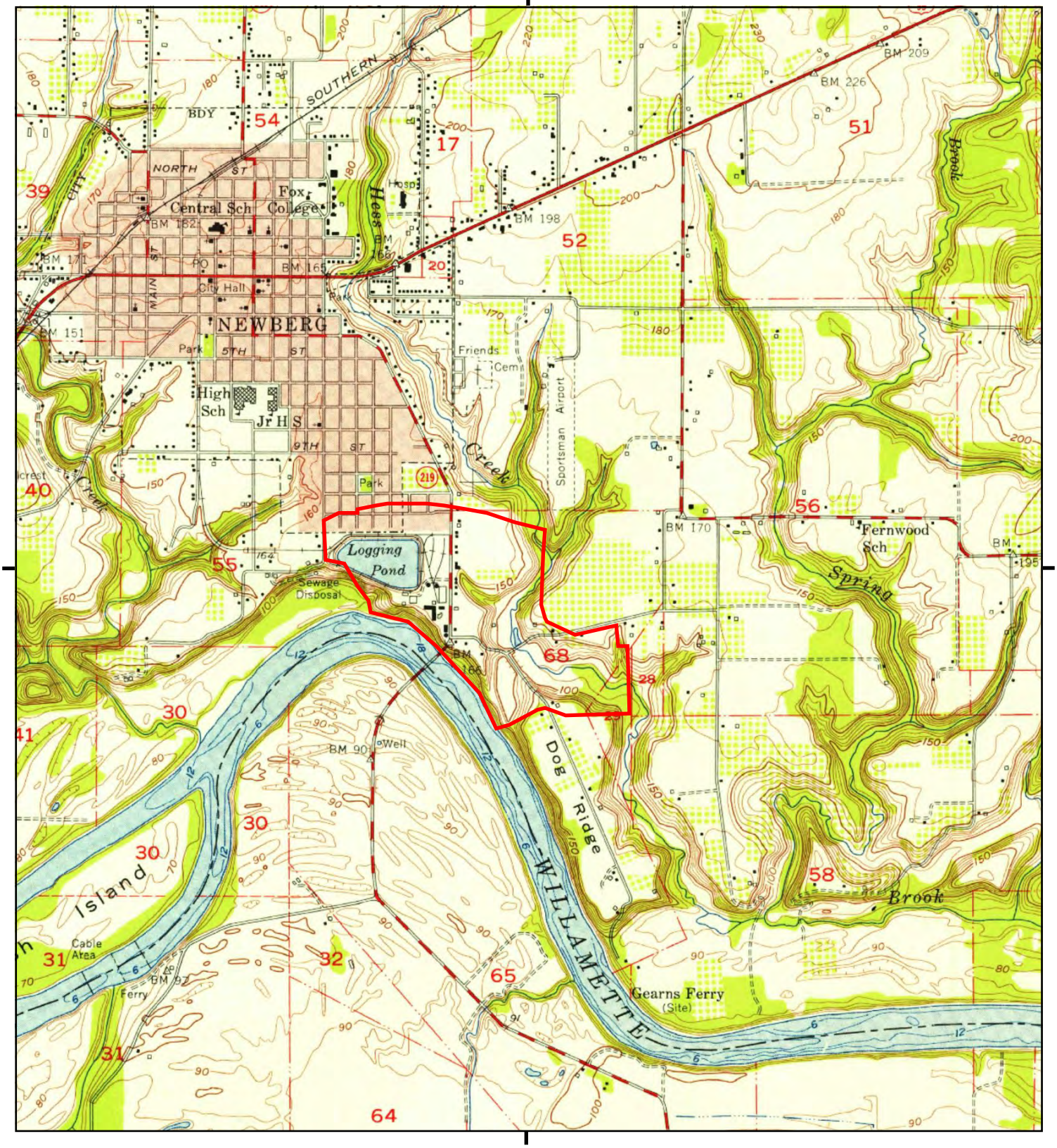
TP, Newberg, 1961, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

1954



This report includes information from the following map sheet(s).

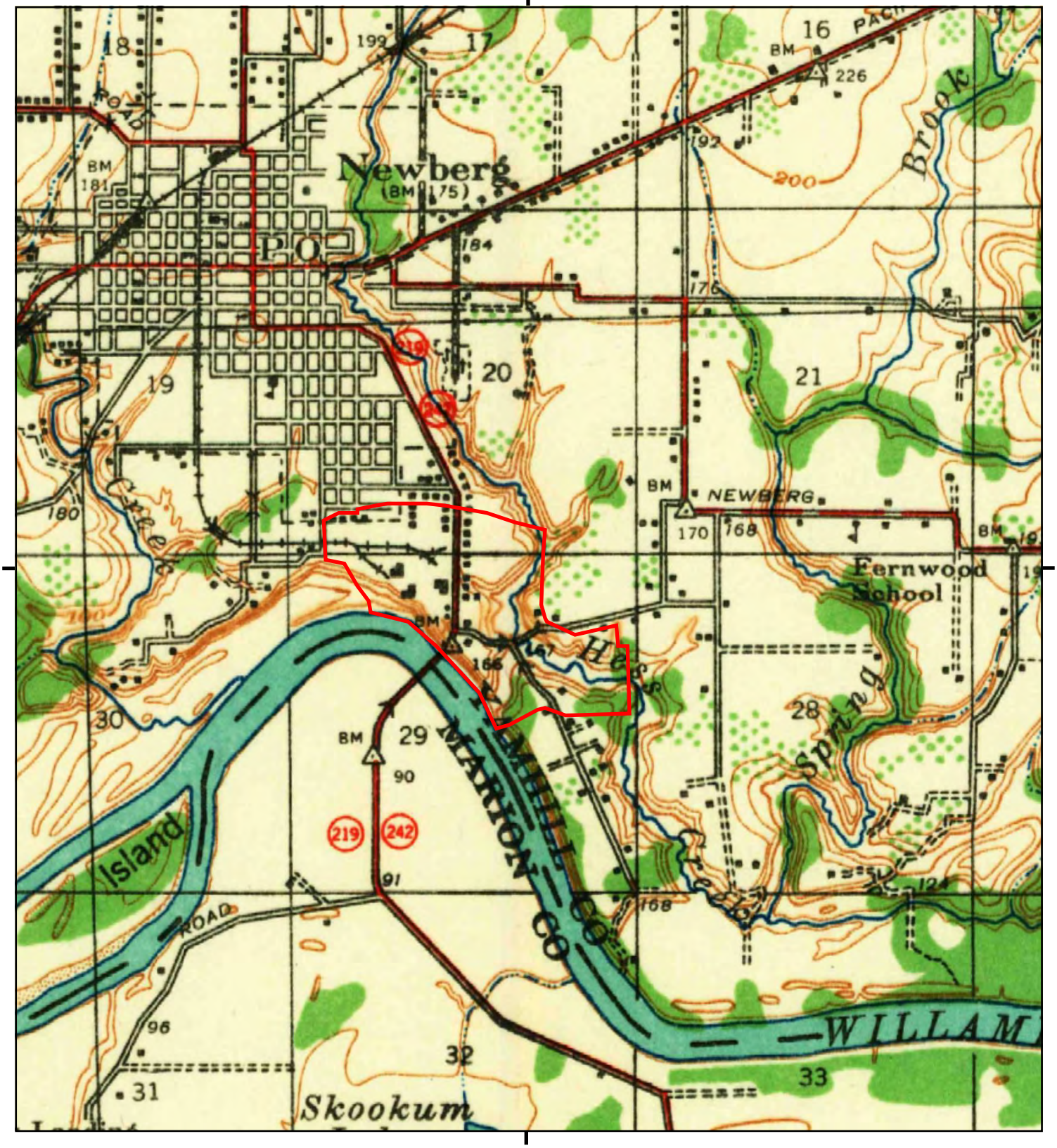
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Newberg, 1954, 7.5-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N



This report includes information from the following map sheet(s).

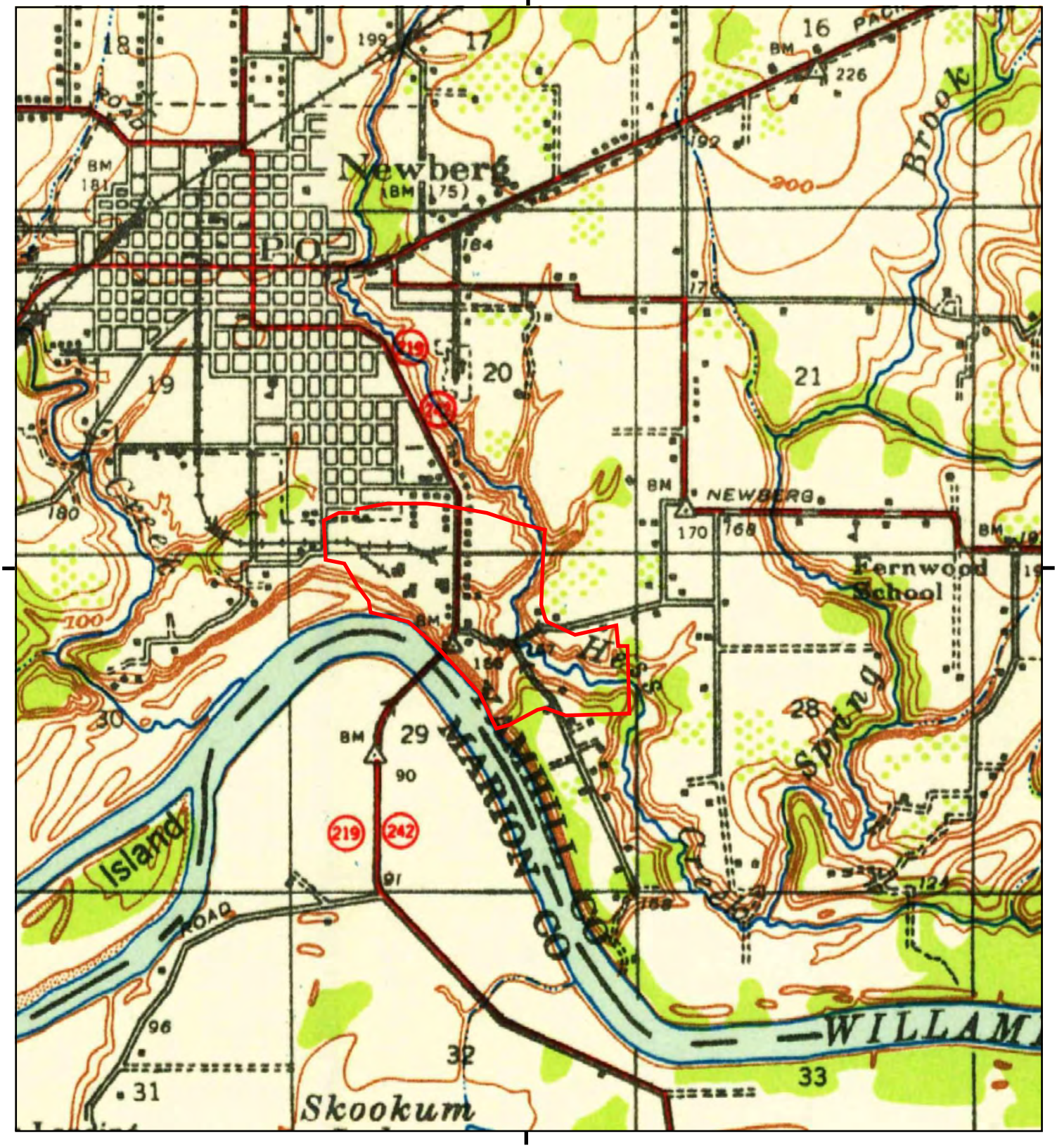
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tualatin, 1940, 15-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tualatin, 1939, 15-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

Historical Topo Map

1916



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tualatin, 1916, 15-minute

SITE NAME: Former SP Fiber Technologies/Westrock
ADDRESS: 1301 Wynooski Road
Newberg, OR 97132
CLIENT: EnviroAnalytics Group, LLC

N

APPENDIX D

Facility Investigation Files

DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

Report
Monitoring Well
Elevation Survey
and Groundwater Sampling
Paper Machine Building
Smurfit Newsprint Mill
1301 Wynooski Street
Newberg, Oregon
for
Smurfit Newsprint Corporation
July 1, 1997
Job No. 05840-039-005

Portland, Oregon

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APPENDIX A - Surveyor's Map

APPENDIX B - Laboratory Analytical Report

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

1750 S.W. Harbor Way, Suite 400
Portland, Oregon 97201
503 228 7688 Tel
503 223 6083 Fax

July 1, 1997

Smurfit Newsprint Corporation
1301 Wynooski Street
Newberg, Oregon 97132

Attn: Mr. Stan Miller

Re: Report
Monitoring Well Elevation Survey
and Groundwater Sampling
Paper Machine Building
Smurfit Newsprint Mill
1301 Wynooski Street
Newberg, Oregon

Dear Stan:

Dames & Moore is pleased to present this report describing the results of the monitoring well elevation survey and groundwater sampling that was conducted at the Paper Machine Building on April 23, 1997 for the Smurfit Newsprint Mill located in Newberg, Oregon.

If you have any questions concerning this report or the project, please feel free to contact our office.

Sincerely,

DAMES & MOORE GROUP

Peter L. Stroud, C.E.G.
Senior Engineering Geologist
Oregon Geoscience Manager

WP\005\05840\05
PLS:lih
05840-039-005

REPORT
MONITORING WELL ELEVATION SURVEY AND GROUNDWATER SAMPLING
PAPER MACHINE BUILDING
SMURFIT NEWSPRINT MILL
1301 WYNOOSKI STREET
NEWBERG, OREGON

1.0 INTRODUCTION

This report presents the results of the monitoring well elevation survey and groundwater sampling that was conducted on April 23, 1997 at the Paper Machine Building for the Smurfit Newsprint Mill located at 1301 Wynooski Street, in Newberg, Oregon (Figures 1 and 2). An elevation survey of four monitoring wells was conducted by a registered surveyor and groundwater samples were collected from four monitoring wells (MW-1, MW-3, MW-4, MW-5) in order to evaluate the current groundwater quality and flow gradient in the area of the former kerosene spill.

2.0 BACKGROUND

Smurfit Newsprint Corporation owns and operates a newsprint mill that produces recycled content newsprint using old newspapers, kraft pulp, and wood chips. The mill uses a non-sulfite paper-making process where pulp is refined through a grinding process and recycled newspapers are de-inked.

A 100- to 150-gallon release of kerosene from a former aboveground storage tank (AST) occurred in 1994 adjacent to the Paper Machine Building. The release was investigated by PEMCO in 1994 and 1995. As part of the investigation, five monitoring wells were installed to assess groundwater quality and flow direction. Monitoring well MW-2 was later damaged and abandoned. The groundwater flow direction was calculated in 1995 to flow towards the north/northwest.

Results of groundwater samples collected by PEMCO in March and August 1995 indicate levels of benzene, toluene, ethyl benzene, and toluene (BTEX) were not detected in the wells (MW-1 through MW-4) or were detected below Oregon Department of Environmental Quality (DEQ) cleanup levels for petroleum underground storage tanks (USTs). Of the four wells (MW-1 through MW-4), total petroleum hydrocarbons (TPH) were only detected in MW-1 at a concentration of 0.5 parts per million (ppm).

3.0 FIELD PROCEDURES/SAMPLING PROTOCOL

Well surveying and sampling was conducted on April 23, 1997. W&H Pacific of Beaverton, Oregon completed the well survey (Appendix A). Dames & Moore obtained water level measurements and collected groundwater samples. Prior to sampling, well monument covers were removed and a static water level measurement was collected using an electronic water level indicator.

Prior to sampling, each well was purged a minimum of three well casing (pore) volumes. A set of specific conductivity, pH and temperature measurements was collected after removing each pore volume. A groundwater sample was collected once the pore volumes had been removed, and the groundwater characteristics, based on specific conductivity, pH and temperature, indicated uniform, stabilized conditions.

Each groundwater sample was collected using a disposable bailer and transferred directly into sample containers provided by the analytical laboratory. The samples were labeled with the date and time of sample collection, well location, and sampler's initials. Samples were stored in a chilled ice chest until delivery to the analytical laboratory. A chain of custody form was completed and accompanied the samples to the laboratory.

Water generated from purging and decontamination processes was deposited into a process water drain for treatment by the mill's effluent treatment unit.

4.0 GROUNDWATER ELEVATION AND MONITORING RESULTS

4.1 GROUNDWATER ELEVATION AND FLOW

Groundwater elevations measured on April 23, 1997, indicate that the water table rose between 1.48 (MW-4) and 1.91 (MW-1) feet since the August 30, 1995 sampling event (Table 1). Static groundwater beneath the site ranges from an elevation of 162.57 feet mean sea level (MSL) at MW-1 to an elevation of 163.71 at MW-5.

The groundwater elevation contours for April 1997, indicate that groundwater beneath the site flows to the west with a gradient of approximately 0.004 ft/ft. Groundwater elevation contours are presented on Figure 3.

4.2 ANALYTICAL RESULTS

Groundwater samples were collected from four monitoring wells on April 23, 1997 for laboratory analysis. Groundwater samples collected from monitoring wells MW-1, MW-3, MW-4, and MW-5 were analyzed by EPA Method 8015 to analyze for TPH and by EPA Method 8020 to analyze for BTEX. Due to the detection of an elevated concentration of TPH in MW-5, an archived sample from that well was also analyzed by EPA Method 8270-SIM for polynuclear aromatic Hydrocarbons (PAHs). Groundwater quality analytical results are presented in Table 2, and the laboratory data reports are presented in Appendix B.

Laboratory analysis of the April 1997 groundwater samples detected low concentrations of TPH (0.26 to 0.34 ppm) in wells MW-1 through MW-4 and an elevated concentration of TPH in MW-5 (105 ppm) where kerosine product is present. Select BTEX constituents were only detected in MW-5. Benzene was detected at a concentration of 6.9 parts per billion (ppb) and ethyl benzene was detected at 2.8 ppb. Laboratory analysis of the sample from MW-5 also detected several PAH constituents.

Soil and groundwater cleanup concentrations for petroleum hydrocarbons and related compounds have been established by DEQ for UST sites. These cleanup concentrations are commonly used for non-UST sites involving only petroleum hydrocarbons. The State does not have a drinking water standard for TPH, however there are standards for BTEX and PAH constituents. Several constituents detected in MW-5 exceed regulatory UST groundwater cleanup standards: benzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene. It is likely that actual groundwater cleanup requirements would be based on the beneficial use of the water (i.e., is it a drinking water source).

5.0 SUMMARY

The results of the monitoring well elevation survey and groundwater sampling conducted on April 23 1997 at the mill are summarized as follows:

- Groundwater elevations measured on April 23, 1997, indicate that the water table rose between 1.48 (MW-4) and 1.91 (MW-1) feet since the August 30, 1995 sampling event.

- Static groundwater beneath the site ranges from an elevation of 162.57 feet mean sea level (MSL) at MW-1 to an elevation of 163.71 at MW-5.

- The groundwater elevation contours for April 1997, indicate that groundwater beneath the site flows to the west with a gradient of approximately 0.004 ft/ft.

- Groundwater samples collected from the monitoring wells were analyzed by EPA Method 8015 for TPH and by EPA Method 8020 for BTEX. The groundwater sample from MW-5 was also analyzed by EPA Method 8270-SIM for PAHs.

- Low concentrations of TPH (0.26 to 0.34 ppm) were detected in wells MW-1 through MW-4 and an elevated concentration of TPH was detected in MW-5 (105 ppm) where kerosine product is present.

- Benzene was detected at a concentration of 6.9 ppb and ethyl benzene was detected at 2.8 ppb in MW-5. The detected benzene concentration exceeds the regulatory drinking water standard of 5 ppb.

- Laboratory analysis of the groundwater sample from MW-5 also detected several PAH constituents: (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene whose concentrations exceed the regulatory UST groundwater cleanup standards.

6.0 RECOMMENDATIONS

Impacted groundwater appears to be restricted to MW-5 where groundwater is currently being extracted and treated. Dames & Moore recommends that semi-annual monitoring of the groundwater quality and groundwater gradient be performed to document the effectiveness of the groundwater extraction system and verify that the impacted groundwater is not migrating downgradient.

♦ ♦ ♦

TABLE 1
SUMMARY OF GROUNDWATER LEVELS AND ELEVATIONS
SMURFIT NEWSPRINT NEWBERG MILL
NEWBERG, OREGON

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION (feet, msl *)	DEPTH TO WATER below top of casing (feet)	GROUND WATER ELEVATION (feet, msl)
MW-1	4/23/97	168.29	4.64	163.65
	8/30/95		7.63	160.66
	3/30/95		5.72	162.57
MW-2 **	3/30/95	**	4.48	165.49
MW-3	4/23/97	169.97	6.31	163.66
	8/30/95		8.24	161.73
	3/30/95		6.39	163.58
MW-4	4/23/97	170.07	7.16	162.91
	8/30/95		8.49	161.58
	3/30/95		7.01	163.06
MW-5	4/23/97	170.81	7.10	163.71

KEY:

msl — mean sea level

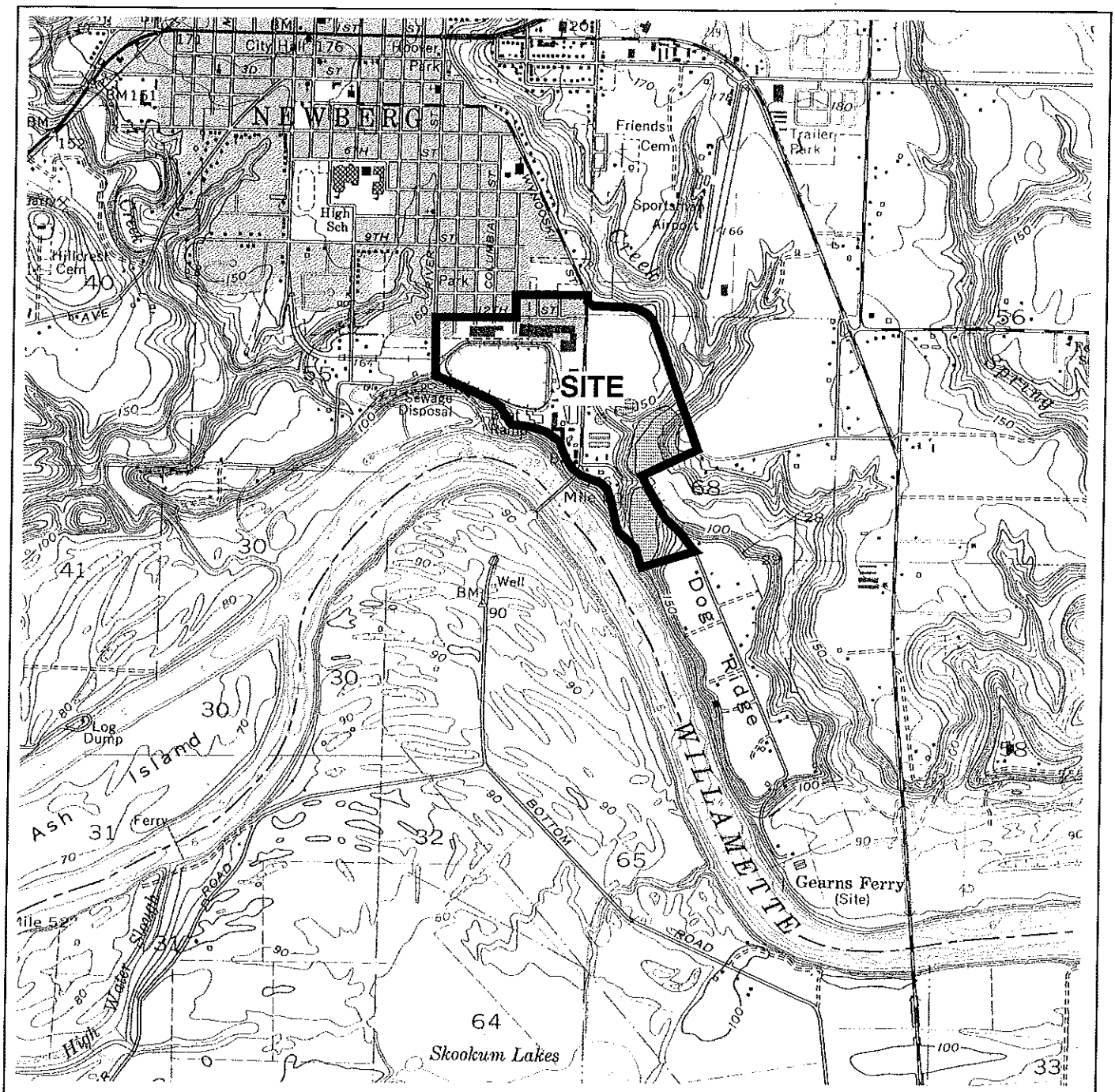
* — Smurfit Engineering Local Datum, Benchmark #3, Elevation 174.00 feet msl

** — Well MW-2 abandoned due to underground utility rupture during drilling

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
SMURFIT NEWSPRINT NEWBERG MILL
NEWBERG, OREGON

Monitoring Well	Date Sampled	TPH (mg/l)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Xylenes (µg/L)	PAHs (µg/L)	
MW-1	4/23/97 [1]	0.34	ND	ND	ND	ND	-	
	8/30/95 [2]	0.5	ND	0.59	ND	ND	-	
	3/30/95 [2]	ND	ND	ND	ND	1.4	-	
MW-2	3/30/95 [2]	21	ND	0.8	ND	ND	-	
MW-3	4/23/97 [1]	0.26	ND	ND	ND	ND	-	
	8/30/95 [2]	ND	ND	ND	ND	ND	-	
	3/30/95 [2]	ND	0.9-1.1	0.5-0.6	2.2-2.5	4.3-4.7	-	
MW-4	4/23/97 [1]	0.29	ND	ND	ND	ND	-	
	8/30/95 [2]	ND	ND	ND	ND	ND	-	
	3/30/95 [2]	ND	ND	ND	ND	ND	-	
MW-5	4/23/97 [1]	105.00	6.9	ND	2.8	ND	Acenaphthene	21.7
							Anthracene	5.85
							Benzo(a)anthracene*	**3.88**
							Benzo(a)pyrene*	**1.03**
							Benzo(b)fluoranthene*	**1.24**
							Benzo(ghi)perylene*	0.277
							Benzo(k)fluoranthene*	**1.21**
							Chrysene*	**4.24**
							Fluoranthene	25.8
							Fluorene	19.1
							Indeno(1,2,3-cd)pyrene*	0.276
							Naphthalene	18.1
							Phenanthrene	30
							Pyrene	22.7
Oregon Guidance Cleanup Concentrations for UST sites		NA	5	1,000	700	10,000	Acenaphthene	420
							Anthracene	2,100
							Benzo(a)anthracene*	0.1
							Benzo(a)pyrene*	0.2
							Benzo(b)fluoranthene*	0.2
							Benzo(ghi)perylene*	NA
							Benzo(k)fluoranthene*	0.2
							Chrysene*	0.2
							Fluoranthene	280
							Fluorene	280
							Indeno(1,2,3-cd)pyrene*	0.4
							Naphthalene	28
							Phenanthrene	NA
							Pyrene	210

mg/L = milligrams per liter (parts per million)
µg/L = micrograms per liter (parts per billion)
ND = not detected at the detection limits stated on the certified analytical rpts
* = Carcinogenic PAH compound
- = not analyzed
NA = regulatory level not available
BOLD concentration above the regulatory guidance cleanup concentration
1 = EPA method8015 used to analyze TPH, EPA method 8020 used to analyze BTEX, EPA method 8270-SIM used to analyze PAHs
2 = EPA method 418.1 used to analyze TPH, EPA method 602 used to analyze BTEX, EPA method 610 used to analyze PAHs
3 = Well MW-2 abandoned due to underground utility rupture during drilling
BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes



Reference: Newberg Quadrangle, USGS 7.5 Minute Series, 1961
Photorevised 1985

N

0 2000 Feet

Scale

VICINITY MAP

Smurfit Newsprint Corporation
Paper Machine Building – GW Monitoring
Newberg, Oregon

June 1997
5840-039-005

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

FIGURE 1

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1-042397	P704411-01	Water	4/23/97
MW-3-042397	P704411-02	Water	4/23/97
MW-4-042397	P704411-03	Water	4/23/97
MW-5-042397	P704411-04	Water	4/23/97

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

Diesel Hydrocarbons (C10-C28) per EPA Method 8015 (modified)
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes
MW-1-042397			**P704411-01**				**Water**	
Diesel Range Hydrocarbons	0470639	4/29/97	4/29/97		0.250	**0.337**	mg/l	1
Surrogate: 1-Chlorooctadecane	"	"	"	*50.0-150*		*85.1*	%	
MW-3-042397			**P704411-02**				**Water**	
Diesel Range Hydrocarbons	0470639	4/29/97	4/29/97		0.250	**0.260**	mg/l	1
Surrogate: 1-Chlorooctadecane	"	"	"	*50.0-150*		*83.5*	%	
MW-4-042397			**P704411-03**				**Water**	
Diesel Range Hydrocarbons	0470639	4/29/97	4/29/97		0.250	**0.291**	mg/l	1
Surrogate: 1-Chlorooctadecane	"	"	"	*50.0-150*		*82.1*	%	
MW-5-042397			**P704411-04**				**Water**	
Diesel Range Hydrocarbons	0470639	4/29/97	4/30/97		2.50	**105**	mg/l	2
Surrogate: 1-Chlorooctadecane	"	"	"	*50.0-150*		*119*	%	

North Creek Analytical, Inc.

**Refer to end of report for text of notes and definitions*

Howard Holmes, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

BTEX per EPA Method 8020A
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1-042397			**P704411-01**				**Water**	
Benzene	0470580	4/25/97	4/25/97		0.500	ND	ug/l	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB	"	"	"	*75.0-120*		*96.0*	*%*	
MW-3-042397			**P704411-02**				**Water**	
Benzene	0470580	4/25/97	4/25/97		0.500	ND	ug/l	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB	"	"	"	*75.0-120*		*95.0*	*%*	
MW-4-042397			**P704411-03**				**Water**	
Benzene	0470580	4/25/97	4/25/97		0.500	ND	ug/l	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB	"	"	"	*75.0-120*		*96.0*	*%*	
MW-5-042397			**P704411-04**				**Water**	
Benzene	0470649	4/28/97	4/28/97		1.00	**6.92**	ug/l	
Toluene	"	"	"		1.00	ND	"	
Ethylbenzene	"	"	"		1.00	**2.76**	"	
Xylenes (total)	"	"	"		2.00	ND	"	
Surrogate: 4-BFB	"	"	"	*75.0-120*		*86.0*	*%*	

North Creek Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

Howard Holmes, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
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NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

Polynuclear Aromatic Compounds per EPA 8270M-SIM
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes
MW-5-042397			**P704411-04**				**Water**	
Acenaphthene	0470686	4/30/97	5/6/97		2.50	**21.7**	ug/l	3
Acenaphthylene	"	"	"		2.50	ND	"	3
Anthracene	"	"	5/5/97		0.100	**5.85**	"	
Benzo (a) anthracene	"	"	"		0.100	**3.88**	"	
Benzo (a) pyrene	"	"	"		0.100	**1.03**	"	
Benzo (b) fluoranthene	"	"	"		0.100	**1.24**	"	
Benzo (ghi) perylene	"	"	"		0.100	**0.227**	"	
Benzo (k) fluoranthene	"	"	"		0.100	**1.21**	"	
Chrysene	"	"	"		0.100	**4.24**	"	
Dibenzo (a,h) anthracene	"	"	"		0.200	ND	"	
Fluoranthene	"	"	5/6/97		2.50	**25.8**	"	3
Fluorene	"	"	"		2.50	**19.1**	"	3
Indeno (1,2,3-cd) pyrene	"	"	5/5/97		0.100	**0.276**	"	
Naphthalene	"	"	5/6/97		2.50	**18.1**	"	3
Phenanthrene	"	"	"		2.50	**30.0**	"	3
Pyrene	"	"	"		2.50	**22.7**	"	3
Surrogate: 2-Fluorobiphenyl	"	"	"	*43.0-116*		*NR*	*%*	*4*
Surrogate: Nitrobenzene-d5	"	"	"	*35.0-114*		*NR*	"	*4*
Surrogate: p-Terphenyl-d14	"	"	*5/5/97*	*33.0-141*		*51.3*	"	

North Creek Analytical, Inc.

**Refer to end of report for text of notes and definitions*

Howard Holmes, Project Manager

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

Diesel Hydrocarbons (C10-C28) per EPA Method 8015 (modified)/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0470639	**Date Prepared: 4/29/97**					**Extraction Method: TPH-D Extraction**				
Blank	**0470639-BLK1**									
Diesel Range Hydrocarbons	4/29/97			**ND**	mg/l	**0.250**				
Surrogate: 1-Chlorooctadecane	"	*0.100*		*0.0840*	"	*50.0-150*	*84.0*			
Blank	**0470639-BLK2**									
Diesel Range Hydrocarbons	4/30/97			**ND**	mg/l	**0.250**				
Surrogate: 1-Chlorooctadecane	"	*0.100*		*0.0699*	"	*50.0-150*	*69.9*			
LCS	**0470639-BS1**									
Diesel Range Hydrocarbons	4/29/97	2.50		2.18	mg/l	50.0-150	87.2			
Surrogate: 1-Chlorooctadecane	"	*0.100*		*0.101*	"	*50.0-150*	*101*			
LCS Dup	**0470639-BSD1**									
Diesel Range Hydrocarbons	4/29/97	2.50		2.13	mg/l	50.0-150	85.2	50.0	2.32	
Surrogate: 1-Chlorooctadecane	"	*0.100*		*0.0985*	"	*50.0-150*	*98.5*			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

BTEX per EPA Method 8020A/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes
Batch: 0470580	**Date Prepared: 4/25/97**					**Extraction Method: EPA 5030**				
Blank	**0470580-BLK1**									
Benzene	4/25/97			**ND**	ug/l	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**1.00**				
Surrogate: 4-BFB	"	*50.0*		*46.2*	"	*75.0-120*	*92.4*			
LCS	**0470580-BS2**									
Benzene	4/25/97	20.0		19.4	ug/l	67.0-130	97.0			
Toluene	"	20.0		19.5	"	75.0-126	97.5			
Ethylbenzene	"	20.0		19.6	"	76.0-124	98.0			
Xylenes (total)	"	60.0		58.2	"	75.0-126	97.0			
Surrogate: 4-BFB	"	*50.0*		*48.6*	"	*75.0-120*	*97.2*			
Matrix Spike	**0470580-MS1**		**P704412-01**							
Benzene	4/25/97	20.0	ND	17.8	ug/l	67.0-130	**89.0**			
Toluene	"	20.0	ND	17.4	"	75.0-126	**87.0**			
Ethylbenzene	"	20.0	ND	17.6	"	76.0-124	**88.0**			
Xylenes (total)	"	60.0	ND	51.5	"	75.0-126	**85.8**			
Surrogate: 4-BFB	"	*50.0*		*49.0*	"	*75.0-120*	*98.0*			
Matrix Spike Dup	**0470580-MSD1**		**P704412-01**							
Benzene	4/25/97	20.0	ND	17.3	ug/l	67.0-130	**86.5**	13.0	**2.85**	
Toluene	"	20.0	ND	16.8	"	75.0-126	**84.0**	13.0	**3.51**	
Ethylbenzene	"	20.0	ND	16.6	"	76.0-124	**83.0**	15.0	**5.85**	
Xylenes (total)	"	60.0	ND	48.9	"	75.0-126	**81.5**	13.0	**5.14**	
Surrogate: 4-BFB	"	*50.0*		*47.3*	"	*75.0-120*	*94.6*			
Batch: 0470649	**Date Prepared: 4/28/97**					**Extraction Method: EPA 5030**				
Blank	**0470649-BLK1**									
Benzene	4/28/97			**ND**	ug/l	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**1.00**				
Surrogate: 4-BFB	"	*50.0*		*43.2*	"	*75.0-120*	*86.4*			
LCS	**0470649-BS1**									
Benzene	4/28/97	20.0		20.0	ug/l	67.0-130	100			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

BTEX per EPA Method 8020A/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**0470649-BS1**									
Toluene	4/28/97	20.0		19.6	ug/l	75.0-126	98.0			
Ethylbenzene	"	20.0		19.4	"	76.0-124	97.0			
Xylenes (total)	"	60.0		56.8	"	75.0-126	94.7			
Surrogate: 4-BFB	"	*50.0*		*48.6*	"	*75.0-120*	*97.2*			

*Refer to end of report for text of notes and definitions.

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Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

Polynuclear Aromatic Compounds per EPA 8270M-SIM/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes
Batch: 0470686	**Date Prepared: 4/30/97**					**Extraction Method: EPA 3520/600 Series**				
Blank	**0470686-BLK1**									
Acenaphthene	5/3/97			**ND**	ug/l	**0.100**				
Acenaphthylene	"			**ND**	"	**0.100**				
Anthracene	"			**ND**	"	**0.100**				
Benzo (a) anthracene	"			**ND**	"	**0.100**				
Benzo (a) pyrene	"			**ND**	"	**0.100**				
Benzo (b) fluoranthene	"			**ND**	"	**0.100**				
Benzo (ghi) perylene	"			**ND**	"	**0.100**				
Benzo (k) fluoranthene	"			**ND**	"	**0.100**				
Chrysene	"			**ND**	"	**0.100**				
Dibenzo (a,h) anthracene	"			**ND**	"	**0.200**				
Fluoranthene	"			**ND**	"	**0.100**				
Fluorene	"			**ND**	"	**0.100**				
Indeno (1,2,3-cd) pyrene	"			**ND**	"	**0.100**				
Naphthalene	"			**ND**	"	**0.100**				
Phenanthrene	"			**ND**	"	**0.100**				
Pyrene	"			**ND**	"	**0.100**				
Surrogate: 2-Fluorobiphenyl	"	*2.50*		*2.55*	"	*43.0-116*	*102*			
Surrogate: Nitrobenzene-d5	"	*2.50*		*2.98*	"	*35.0-114*	*119*			
Surrogate: p-Terphenyl-d14	"	*2.50*		*2.69*	"	*33.0-141*	*108*			
LCS	**0470686-BS1**									
Acenaphthylene	5/3/97	5.01		4.96	ug/l	50.0-150	99.0			
Benzo (k) fluoranthene	"	5.01		5.31	"	50.0-150	106			
Pyrene	"	5.01		5.65	"	50.0-150	113			
Surrogate: 2-Fluorobiphenyl	"	*2.50*		*2.37*	"	*43.0-116*	*94.8*			
Surrogate: Nitrobenzene-d5	"	*2.50*		*3.00*	"	*35.0-114*	*120*			5
Surrogate: p-Terphenyl-d14	"	*2.50*		*2.49*	"	*33.0-141*	*99.6*			
LCS Dup	**0470686-BSD1**									
Acenaphthylene	5/3/97	5.01		4.91	ug/l	50.0-150	98.0	60.0	1.02	
Benzo (k) fluoranthene	"	5.01		5.63	"	50.0-150	112	60.0	5.50	
Pyrene	"	5.01		5.90	"	50.0-150	118	60.0	4.33	
Surrogate: 2-Fluorobiphenyl	"	*2.50*		*2.35*	"	*43.0-116*	*94.0*			
Surrogate: Nitrobenzene-d5	"	*2.50*		*2.97*	"	*35.0-114*	*119*			5
Surrogate: p-Terphenyl-d14	"	*2.50*		*2.70*	"	*33.0-141*	*108*			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 4/23/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 4/24/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 5/8/97 11:42

Notes and Definitions

#	Note
1	Detected hydrocarbons do not have pattern consistent with diesel or related petroleum fuel product.
2	Hydrocarbon range and pattern are consistent with kerosene or related fuel.
3	The reporting limit for this analyte was raised due to the high analyte concentration present in the sample.
4	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
5	Outside of acceptance criteria. There was a technical problem with the surrogate solution. The data should be considered unaffected and therefore valid.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

North Creek Analytical, Inc.

Howard Holmes, Project Manager

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P704411

13

DAMES & MOORE

1750 SW Harbor Way • Suite 400 • Portland, Oregon 97201 • (503) 228-7688 Fax: (503) 223-6083

Chain of Custody

Date 4/23/97 Page 1 of 1

Project Number: 5840-039-005
Project Name: Smurfit / Newberg mill
Project Manager: Peter Stroud
Laboratory: Northcreek
Turn around time: Standard
Sampler's Initials: D.L.
Sampler's Signature: David Lamadrid

Analysis Request

Sample ID	Date	Time	Matrix	State: Oregon	TPH-HCID	TPH-G	TPH-D	TPH-418.1 Modified	8015 Modified Diesel	PCBs 608/8080	Volitile Hydrocarbons 601/8010	BTEX 602/8020	Volitile Organics 624/8240	Volitile Organics 624/8260	Semivolitile Organics 625/8270	PAHs 8310	Total RCRA 8 Metals				Archive	Number of Containers
MW-1-042397	4/23/97	1330	water	OR			X					X										4
MW-3-042397	"	1230	"	OR			X					X										4
MW-4-042397	"	1300	"	OR			X					X										4
MW-5-042397	"	1245	"	OR			X					X										4

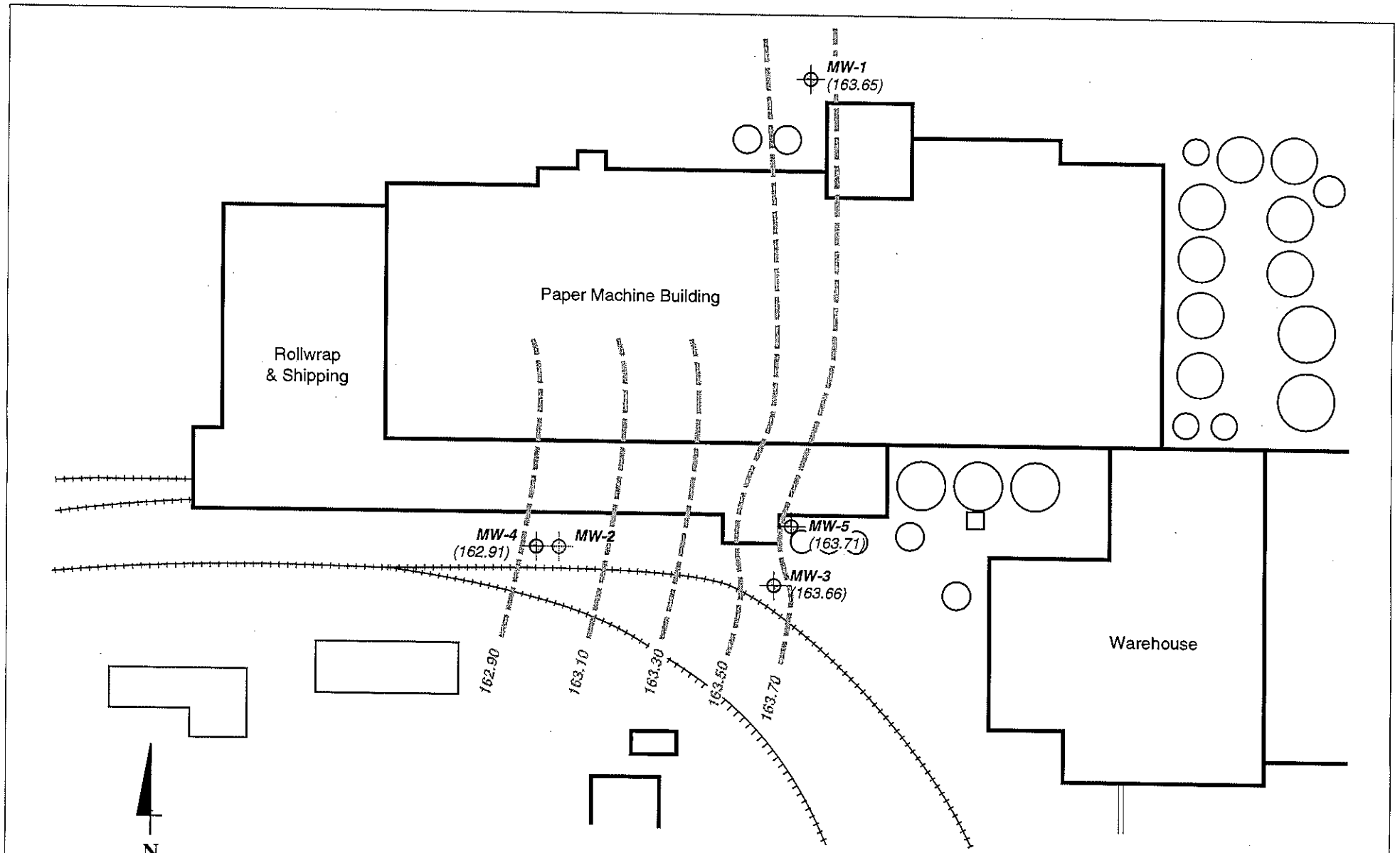
Special Instructions/Comments:

Relinquished by:
(Sig) David Lamadrid
(Printed) David Lamadrid
(Company) Dames & Moore
(Time) 0825 (Date) 4/23/97

Received by (lab):
(Sig) Lorna Spangler
(Printed) Larry Spangler
(Company) NCA
(Time) 0825 (Date) 4-24-97

Sample Receipt

Total no. of containers:
Chain of custody seals:
Rec'd good condition/cold:
Conforms to record:
Lab number:



GROUNDWATER CONTOURS – APRIL 1997

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

June 1997
5840-039-005

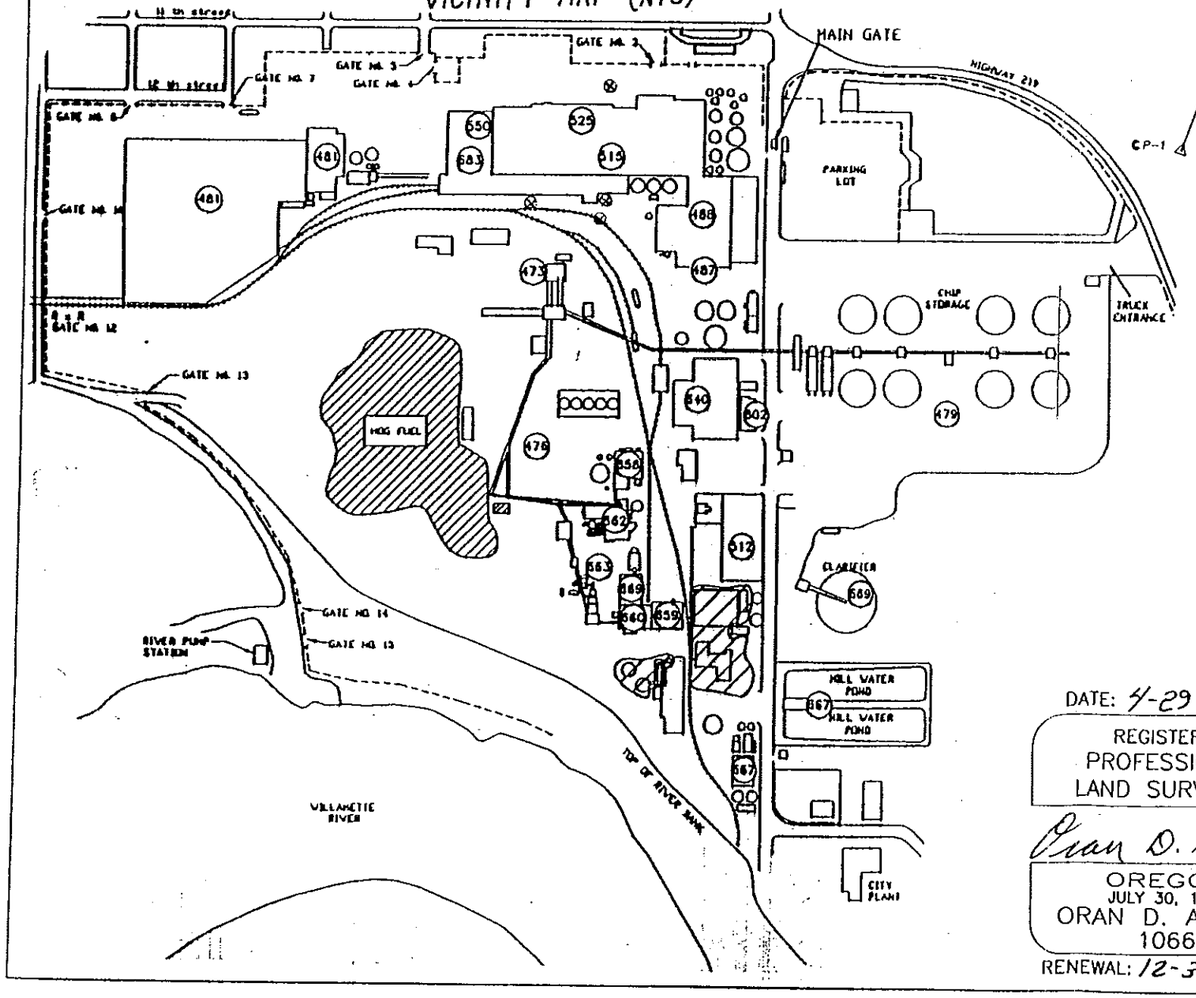
Smurfit Newsprint Corporation
Paper Machine Building – GW Monitoring
Newberg, Oregon

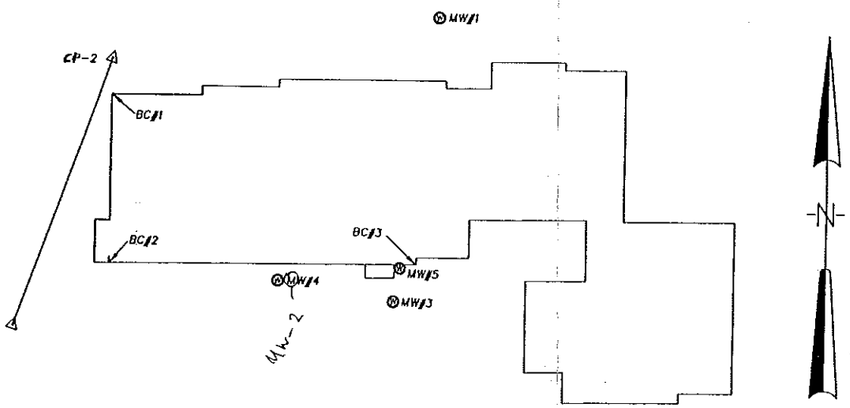
FIGURE 3

W&H PACIFIC
8405 S.W. NIMBUS AVE.
BEAVERTON, OR 97008
(503) 626-0455

SMURFIT NEWSPRINT CORPORATION
NEWBERG PLANT
for DAMES & MOORE

VICINITY MAP (NTS)





SCALE: 1"=200'

DATA TABLE

STA	NORTH	EAST	GRD. EL.	RIM EL.	PVC EL.
MW-1	21243.2	17513.2	168.6	168.77	168.29
MW-3	20870.3	17458.5	170.4	170.61	169.97
MW-4	20896.8	17309.4	170.5	170.49	170.07
MW-5	20914.2	17466.7	170.1	NONE	170.81
CP-1	20834.41	16962.30		171.01	
CP-2	21185.38	17086.97		169.30	
BC#1	21138.53	17086.97			
BC#2	20917.26	17086.97			
BC#3	20919.12	17488.35			

DATE: 4-29-97

REGISTERED
PROFESSIONAL
LAND SURVEYOR

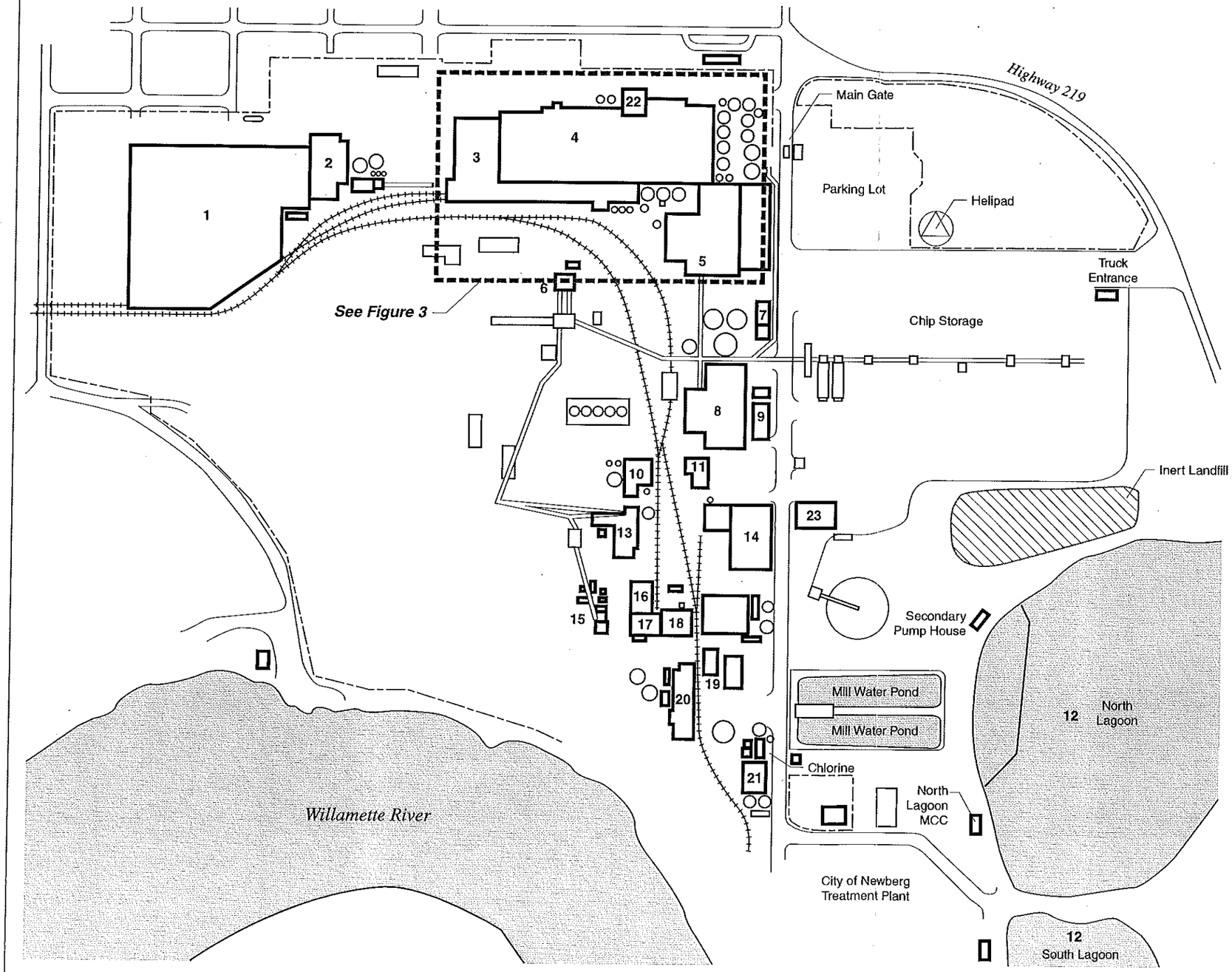
Oran D. Abbott

OREGON
JULY 30, 1976
ORAN D. ABBOTT
1066

RENEWAL: 12-31-97

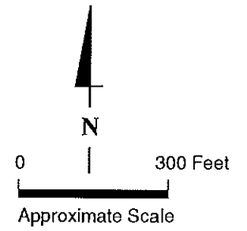
DATUM:

HORIZONTAL = LOCAL BUILDING LINES
VERTICAL = SMURFIT ENGINEERING LOCAL DATUM
BENCH MARK = B.M. #3
ELEV. = 174.00'



AREA KEY

1	Deink Warehouse
2	Deink Plant
3	Rollwrap & Shipping
4	Paper Machines
5	Warehouse
6	TMP & Refiners
7	Woodmill
8	Maintenance Lunchroom & Models
9	Main Office
10	No. 2 Turbine Generator
11	Automotive Shop
12	Lagoons
13	No. 10 Boiler
14	Kraft Pulper Area & Fab Shop
15	No. 9 Boiler
16	Sludge Press Building
17	No. 6 & No. 7 Boilers
18	No. 1 Turbine Generator
19	Digesters (Demolished or Abandoned)
20	Carpenter Shop & Storage
21	Filter Plant
22	Lubricant Oil Storage Shed
23	Hazardous Waste Storage Building



GROUNDWATER MONITORING WELL LOCATIONS

June 1997
5840-039-005

Smurfit Newsprint Corporation
Paper Machine Building – GW Monitoring
Newberg, Oregon

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

FIGURE 2

DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

Final Report
Focused Soil and Groundwater Investigation
Truck Hydraulic Lift Area
Smurfit Newsprint Newberg Mill
Newberg, Oregon

for

Smurfit Newsprint Corporation
December 2, 1997
Job No. 05840-040-005

Portland, Oregon

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

700 N.E. Multnomah, Suite 1000
Portland, Oregon 97232
503 235 9044 Tel
503 235 9033 Fax

December 2, 1997

Smurfit Newsprint Corporation
1301 Wynooski Street
Newberg, Oregon 97132

Attn: Mr. Stan Miller, Process Engineer

Re: Final Report
Focused Soil and Groundwater Investigation
Truck Hydraulic Lift Area
Smurfit Newsprint Newberg Mill
Newberg, Oregon

Dear Stan:

Dames & Moore is pleased to present this report for Focused Soil and Groundwater Investigation in the truck hydraulic lift area at the Smurfit Newsprint Newberg Mill facility located in Newberg, Oregon. The purpose of the investigation was to assess potential environmental impacts to soil and groundwater related to a hydraulic oil pipe leak at the truck hydraulic lift area. The investigation was performed in accordance with Dames & Moore's proposal dated March 10, 1997.

We appreciate this opportunity to be of service. If you have any questions concerning this report or the project, please feel free to contact the undersigned.

Sincerely,

DAMES & MOORE, INC.

David Lamadrid
Project Manager

for Melody L. Allen
Associate

WP\005\05840\08/DLL:MLA:lih/05840-040-005

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FINAL REPORT
FOCUSED SOIL AND GROUNDWATER INVESTIGATION
TRUCK HYDRAULIC LIFT AREA
SMURFIT NEWSPRINT NEWBERG MILL
Newberg, Oregon

1.0 INTRODUCTION

This report presents the results of a Focused Soil and Groundwater Investigation performed in the truck hydraulic lift area at the Smurfit Newsprint Newberg Mill facility located in Newberg, Oregon (Figure 1). A leaking hydraulic oil pipe was discovered in March 1997 at the truck hydraulic lift area. The pipe is used to convey hydraulic oil under pressure to a truck lift used to dump chips into a hopper. The purpose of the investigation was to assess potential environmental impacts to soil and groundwater related to the hydraulic oil pipe leak.

The investigation consisted of a geophysical survey, subsurface drilling, soil and grab groundwater sampling, monitoring well installation and sampling, and analytical testing of soil and groundwater samples. This report describes the methodologies used during the field activities and presents the results of the investigation.

2.0 SCOPE OF WORK

This report is based on the completion of the scope of work outlined in Dames & Moore's proposal dated March 10, 1997. The following tasks were performed:

- Conducted a geophysical survey to locate underground utilities in the vicinity of proposed borings and to potentially identify the depth of fill and/or contamination;
- Drilled five soil borings;
- Collected soil and grab groundwater samples during drilling of subsurface borings;
- Installed monitoring wells in three of the borings;
- Developed and collected groundwater samples from the monitoring wells after installation;

- Surveyed the monitoring wells for elevation; and

- Submitted the soil and groundwater samples to an analytical laboratory for analysis.

3.0 SITE DESCRIPTION

The Smurfit Newsprint Corporation facility, a newsprint mill, is located at 1301 Wynooski Road in Newberg, Oregon (Figure 1). The facility will hereafter be referenced as the "Site" in this report. The Site is an irregularly-shaped, approximately 100-acre parcel situated in the southeast portion of the City of Newberg adjacent to the Willamette River. Topography across the site is generally level in most areas due to man-made improvements and slopes steeply towards the Willamette River at the south property boundary and Hess Creek along the eastern property boundary. Buildings, outdoor storage areas, a wastewater treatment plant, and two lagoons cover most of the Site.

The truck hydraulic lift area is located in the central portion of the property (Figure 2). The lift area consists of a small building (oil house) which houses equipment and a compressor for the hydraulic oil. Two hydraulic truck lifts are located adjacent to the east side of the building. The location of the leak occurred at the southeast corner of the oil house where the hydraulic oil piping exits the structure. The area is surrounded by asphalt paving. The site features in the vicinity of the truck hydraulic lift area are shown on Figure 3.

4.0 HYDROSTRATIGRAPHY

The regional geology within the Newberg Basin north of the Willamette River has been described by Schlicker and Deacon (1967). The geologic units, from youngest to oldest, in the Newberg area include: Pleistocene-aged alluvium, lacustrine deposits of the Pleistocene-aged Willamette Silt Formation, the Pliocene-aged Troutdale Formation, Miocene-aged Columbia River Basalt Group (CRBG) volcanics, and older marine sedimentary rocks. The alluvium and underlying Willamette Silt Formation are commonly grouped together as undifferentiated deposits due to the relatively small thickness of the alluvium and similar geologic characteristics.

The site geology has previously been investigated by exploratory drilling and sampling by Dames & Moore (1981) and others (RZA Agra, 1993; PEMCO, 1995). Borings drilled by Dames & Moore in the vicinity of the lagoons indicate the undifferentiated deposits range in depth from a few feet near the margins of Hess Creek to potentially about 40 to 50 feet in other areas of the site. The Troutdale Formation is composed largely of gray to brown, stratified, slightly clayey silt, clayey silt, silty clay, and clay with occasional beds of silty fine sand

(Schlicker and Deacon, 1967). Review of water well records drilled in the vicinity indicates that the Troutdale Formation extends to at least 250 feet below ground surface. No wells were reportedly drilled into the volcanic bedrock.

Shallow groundwater occurs in the undifferentiated deposits under unconfined conditions from about 5 to 20 feet across the site based on previous investigations. PEMCO (1995) determined that groundwater flow in the area of the Paper Machine Building was towards the northwest; however, this direction is opposite to a presumed southerly groundwater flow direction towards the Willamette River. PEMCO attributed the flow reversal to a gravel-filled excavated south of the monitoring well network which may have acted as a recharge area. Groundwater within the Troutdale Formation generally occurs under confined or semi-confined conditions at depths greater than 50 feet below ground surface.

5.0 FIELD INVESTIGATION

The field investigation consisted of performing a limited geophysical survey; drilling five soil borings; soil sampling, field screening, collection of grab groundwater samples during drilling; installation of monitoring wells in three of the borings; development and sampling of the monitoring wells; and elevation survey of the monitoring wells. The locations of the borings and wells were selected to provide adequate coverage for evaluating the extent of potentially impacted soil and groundwater, and were chosen based on the conditions encountered during drilling.

The investigative techniques were performed in accordance with applicable DEQ regulations and generally accepted environmental science and engineering practices. Quality assurance/quality control procedures were performed during all phases of work to ensure sample quality. The field methodologies used during the investigation are presented in the following sections.

5.1 PRELIMINARY PLANNING

Dames & Moore contracted with Geopotential located in Gresham, Oregon, to locate underground utilities or obstructions in the areas of proposed borings. Borings were drilled at least 2 feet away from the inferred locations of utilities identified by Geopotential. The geophysical survey was conducted on June 11, 1997.

Geopotential also performed a limited geophysical survey in the area west and south of the oil house to identify the depth of fill soils and potential dissolved and/or free product plumes. The survey was performed utilizing a Mala Ramac Ground Penetrating Radar (GPR). The

technique and equipment used are nondestructive methods performed at the ground surface. A copy of the geophysical report is included in Appendix A.

5.2 DRILLING

Dames & Moore conducted subsurface drilling and soil sampling at the Site on June 14 and 15, 1997. The drilling was performed by Tacoma Pump and Drilling Company, Inc., located in Graham, Washington. The drilling was accomplished using a Mobile B-61 drill rig capable of using air rotary or hollow stem drilling techniques. The drilling was accomplished using only the hollow stem drilling technique.

Five borings, OH-1 through OH-5, were drilled to depths ranging from 14 to 21.5 feet below ground surface (bgs), and monitoring wells were constructed in three of the borings (OH-1, OH-3, and OH-4). Selection of monitoring well locations was determined based on field observations and field screening results at each boring location. To maintain well numbering consistency with other wells located on site, monitoring wells installed at boring locations OH-1, OH-3, and OH-4 were renumbered as MW-6, MW-7, and MW-8, respectively.

Coordination and monitoring of drilling and sampling activities were performed by a qualified Dames & Moore geologist. The borings and monitoring wells were drilled south, west, and southeast of the hydraulic oil pipe leak location at the southeast corner of the oil house. The locations of the borings/wells are shown on Figure 3.

5.3 SUBSURFACE SOIL SAMPLING

Subsurface soil samples were generally collected from the borings during drilling at 5-foot depth intervals. Intermediate depth samples were collected, as necessary, to more accurately observe soil conditions or target the groundwater surface. The soil samples were collected with a 3-inch-diameter split spoon sampler driven with a 140-pound hammer.

The soil samples were divided into a field screen split and an archive split. All field screen splits were used for visual observation and analyzed in the field for total volatile organic vapors with an organic vapor monitoring (OVM) device. The archive splits were collected in laboratory-supplied glass jars, uniquely labeled, and immediately placed in a chilled cooler during drilling. A chain-of-custody form was prepared at the time of sampling. The chain-of-custody documentation accompanied the samples during storage and delivery to the analytical laboratory.

Detailed logs of the lithologic units encountered were maintained by the Dames & Moore geologist. Soils were classified in accordance with the Unified Soil Classification System, with particular attention for evidence of soil contamination such as soil staining or vapor odors. Logs of the borings and monitoring wells are provided in Appendix B

5.4 GRAB GROUNDWATER SAMPLING

Grab groundwater samples were collected from borings OH-1, OH-2, OH-4 and OH-5 during drilling on June 14 and 15, 1997. Groundwater was encountered during drilling between 5 and 10 feet bgs. Upon reaching the total depth of the boring, the free product thickness, if any, was measured using an electronic oil-water level probe or by applying a petroleum hydrocarbon sensitive paste on an electronic water-level probe where silty groundwater was encountered.

Grab groundwater samples were collecting using a new, clean, disposal bailer at each borehole location. The groundwater samples were placed in laboratory-provided glass jars, uniquely labeled, and immediately placed in a chilled cooler for temporary storage. A chain-of-custody was completed and accompanied the samples during delivery to the analytical laboratory.

5.5 MONITORING WELL CONSTRUCTION

Monitoring wells MW-6, MW-7, and MW-8 were installed to assess groundwater quality in the first occurrence of groundwater beneath the site. The wells were constructed in accordance with the Oregon Water Resources Department (WRD) Administrative Rules (Chapter 690, Division 240) for well construction. Monitoring wells MW-6, MW-7, and MW-8 were installed to depths of 13, 19, and 20 feet bgs, respectively. The locations of the wells are shown on Figure 3.

The wells were constructed with 2-inch-diameter PVC casing. Wells MW-6 and MW-7 were constructed with 5 feet of 0.010-inch, machine-slotted screen casing at the bottom of the well, and the remainder the casing section consists of solid casing. Well MW-8 was constructed with 10 feet of 0.10-inch, machine-slotted screen casing at the bottom of the well, and the remainder with solid casing. A sandpack consisting of 10/20 silica sand was placed in the annular space of the casing and borehole in each well 1 to 3 feet above the screened casing. The annular space from the top of the sandpack to approximately 1-foot bgs was filled with hydrated bentonite. A concrete surface seal and flush mount well covers were placed in each well above the bentonite seal. A water-tight locking cap and lock were also placed in each well. Well construction details are depicted on the monitoring well logs in Appendix B.

5.6 GROUNDWATER DEVELOPMENT AND SAMPLING

Groundwater levels were measured and the wells were developed prior to sampling on June 17, 1997. The purpose of well development was to establish hydraulic connection between the well and formation groundwater, and to remove, to the extent practical, loose sand and silt from the well, sandpack, and surrounding formation caused by drilling. Static groundwater levels were measured using an electronic water-level probe, and free product thickness, if any, was measured by applying a petroleum hydrocarbon sensitive paste on the water-level probe. Measurements of groundwater were recorded to the nearest 0.01-foot on the north end of the top of the well casing. Groundwater elevations were calculated based on the monitoring well survey and water level measurement data. A summary of groundwater elevations is provided in Table 1.

Monitoring wells MW-7 and MW-8 were developed by surging the well with a 1-inch-diameter, PVC submersible pump prior to pumping. The pump was fitted with new, clean, disposal PVC tubing. After surging, the wells were pumped of at least 20 casing volumes of water while periodically surging the well. During development of wells MW-7 and MW-8, a groundwater sample was collected during pumping at each 5-gallon interval and measured for pH, temperature, and conductivity. The parameters stabilized to within 10 percent within the first 15 gallons. A nominal (less than 1 percent) presence of sand and silt was observed after development was completed.

Well MW-6 was developed by bailing the well with a new, clean, disposable polyethylene bailer. The well was bailed dry after approximately 1.5 gallons. The well was then bailed periodically dry. A total of approximately 3.5 gallons was removed. Well MW-6 initially contained about 1 foot of silt in the bottom of the well. The silt was removed during development; however, the purged water was observed to be very silty and contained an oil sheen upon completion of development.

After development, the monitoring wells were sampled using a new, clean, disposal bailer at each well location. The groundwater samples were placed in laboratory-provided glass jars, uniquely labeled, and immediately placed in a chilled cooler for temporary storage. A chain-of-custody was completed and accompanied the samples during delivery to the analytical laboratory.

5.7 DECONTAMINATION

Quality assurance/quality control procedures were performed to prevent cross contamination between samples. All nondisposable sampling equipment during drilling and water sampling was decontaminated using the following procedure: 1) tap water rinse, 2) deionized water with alconox solution rinse, and 3) deionized water final rinse. Sterilized latex

gloves were used while obtaining samples. The soil and groundwater samples were placed in laboratory-supplied glass jars and stored in a chilled cooler. A chain-of-custody form was prepared at the time of sampling.

The drilling equipment was decontaminated by pressure washing prior to use at the site. The equipment was again pressure washed prior to drilling each soil boring and prior to demobilizing off the site.

5.8 DISPOSITION OF INVESTIGATIVE WASTES

Investigative wastes generated during the drilling and sampling activities at the Site included soil cuttings, decontamination water, and purged groundwater. The investigative wastes were placed in DOT-approved, 55-gallon drums and temporarily stored on site.

6.0 REGULATORY CLEANUP LEVELS

Soil and groundwater cleanup levels for petroleum hydrocarbons and related compounds have been established by Oregon Department of Environmental Quality (DEQ). The cleanup levels for releases associated with underground storage tanks (USTs) and non-UST sources are specified in Oregon Administrative Rules (OAR), Chapter 340, Division 122.

Cleanup levels for TPH releases to soil from a UST are determined using a matrix score to identify which cleanup level applies. TPH cleanup levels are not specified for non-UST source releases, but the DEQ commonly uses the UST Matrix standards as guidance for non-UST cleanups. Dames & Moore has established a Level 2 guidance soil cleanup standard for the Site which has a soil cleanup standard of 500 mg/kg TPH as diesel or heavy oil. Soil cleanup levels for other constituents (e.g., lead) from non-UST releases to soil only are specified in the Oregon Soil Cleanup Table (DEQ Environmental Cleanup Manual, June 1994) or may be compared to background concentrations. The applicable soil cleanup levels are outlined on Table 2.

Groundwater cleanup levels for petroleum hydrocarbons and related compounds have been established by DEQ for UST sites. The DEQ commonly uses the UST groundwater cleanup levels for sites impacted by petroleum hydrocarbons only. There is no prescribed cleanup level for TPH; however, 0.5 ppm is commonly used as a guidance concentration requiring additional analysis for PAHs. Groundwater cleanup levels for UST releases are prescribed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), various gasoline additives, and polynuclear aromatic hydrocarbons (PAHs). Other applicable groundwater cleanup levels, depending on site conditions, include drinking water standards, background

concentrations, or risk-based levels. The applicable groundwater cleanup levels are outlined on Table 2.

7.0 RESULTS

7.1 GEOPHYSICAL SURVEY

The geophysical report provided by Geopotential indicates that a horizon at 13 to 15 feet bgs was detected which is interpreted by Geopotential as the top of the water table. Another horizon was also detected at or above the inferred water table which extended approximately 50 feet south of the oil house. A copy of the geophysical report is provided in Appendix A.

Based on our site observations during drilling, the inferred horizons are likely related to the local hydrogeologic conditions. Groundwater and the fill soil-native soil contact were encountered at the approximate depth of the inferred shallow horizons. The groundwater analytical results indicate impacted groundwater is not present as far south of the oil house (see Section 7.4) as identified in the geophysical survey report.

7.2 SITE HYDROGEOLOGY AND GROUNDWATER FLOW

The truck hydraulic lift area is underlain by fill soils extending to a depth of approximately 8 to 12 feet bgs. The fill soil generally consists of brown and black, silty to sandy gravel and dark brown silt and clay with organic matter. Undifferentiated deposits underlie the fill soils and generally consist of brown and gray silty sand, silt, and silty clay. These deposits were observed to the total depth drilled of 21.5 feet bgs and are similar to Undifferentiated deposits in the site vicinity. Logs of the borings and monitoring well construction details are provided in Appendix B.

Unconfined, shallow groundwater occurs in the fill soils and Undifferentiated deposits. Groundwater was measured in monitoring wells MW-6, MW-7, and MW-8 at depths of approximately 8 to 11 feet bgs. The groundwater flow direction is towards the southwest with a gradient of approximately 0.10 ft/ft. A summary of groundwater elevations is provided in Table 1, and a groundwater elevation contour map is provided in Figure 3.

7.3 FREE PRODUCT THICKNESS AND FIELD SCREENING RESULTS

Except for well MW-6, free product was not encountered in any of the borings. A free product thickness of approximately 0.2 feet was initially measured in well MW-6 during drilling;

however, free product was not present in MW-6 two days later during development and sampling.

The field screening results indicate that, except for boring OH-4, total organic vapors were detected during drilling in the upper 5 feet of all borings. Organic vapor concentrations were measured from 18 parts per million (ppm) in well OH-3 up to 600 ppm in well OH-1. Organic vapors were not detected below a depth of 5 feet bgs in OH-1, OH-3, and OH-2, and the concentrations quickly declined below 5 feet bgs in OH-5. Borings OH-1 and OH-5 are located closest the hydraulic oil pipe leak.

7.4 LABORATORY RESULTS

A summary of soil analytical results is provided in Table 2, and a summary of groundwater analytical results is provided in Table 3. A copy of the laboratory data report and chain-of-custody forms are provided in Appendix C. Petroleum hydrocarbon concentrations in soil are also shown in Figure 4 with respect to the borings locations, and petroleum hydrocarbon concentrations in groundwater are shown in Figure 5.

7.4.1 Analytical Test Methods

The soil and groundwater samples were submitted to North Creek Analytical Laboratory located in Beaverton, Oregon. Soil samples were selected for analysis based on visual observation and field screening results collected during drilling.

One soil sample, collected from boring OH-1 at a depth of 5 feet bgs, was initially analyzed for total petroleum hydrocarbon (TPH) identification by Oregon Method TPH-HCID. The remaining selected soil samples were analyzed for TPH by Oregon Method OR TPH-418.1 Modified based on the TPH-HCID results.

Two soil samples (collected at 5 feet bgs from borings OH-1 and OH-3) which had detectable concentrations of TPH were also analyzed for volatile organic compounds (VOCs) by EPA Method 8260. The sample collected from OH-1 at 5 feet bgs was also analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270M-SIM.

Grab groundwater samples collected from borings OH-1, OH-2, OH-4 and OH-5 were analyzed for TPH by EPA Method 418.1. Groundwater samples collected from monitoring wells MW-6, MW-7, and MW-8 were also analyzed for TPH by EPA Method 418.1, and the sample collected from well MW-6 was additionally analyzed for PAHs by EPA Method 8310.

7.4.2 Soil Samples

The analytical results indicate diesel to heavy-oil range TPH was detected in a sample collected at 5 feet bgs from boring OH-1 (Table 2). Consequently, this sample and the remaining selected soil samples were analyzed for diesel to heavy-oil-range petroleum hydrocarbons. TPH concentrations of 728; 19,100; and 35 milligrams per kilogram (mg/kg, or parts per million) were detected in samples collected from boring OH-1 at 5, 10, and 11.5 feet bgs. TPH concentrations of 791 and 4,990 mg/kg were also detected in samples collected from boring OH-5 at 5 and 10 feet bgs. TPH concentrations detected at 5 and 10 feet bgs in boring OH-1 and OH-5 were above the guidance DEQ soil cleanup level of 500 mg/kg.

TPH was not detected at or above the laboratory method detection limit in samples collected from borings OH-2, OH-3, and OH-4. The samples were collected at the following depths: 15 feet bgs in OH-2, 5 and 15 feet bgs in OH-3, and 10 and 15 feet bgs in OH-4.

VOCs were not detected at or above the laboratory method detection limits in samples collected from borings OH-1 and OH-5 at 5 feet bgs. PAHs were not detected at or above the laboratory method detection limits in a sample collected at 10 feet bgs in boring OH-1.

7.4.3 Grab Groundwater Samples

The analytical results indicate TPH was not detected at or above the laboratory method detection limit in grab groundwater samples collected from borings OH-2 and OH-4. TPH was detected at concentrations of 668 and 258 milligrams per liter (mg/L, or parts per million) in samples collected from borings OH-1 and OH-5. Elevated concentrations of constituents can occur in groundwater samples collected from soil borings due to suspended soil particulate in the samples. Soil particulates present in the water sample generally result in a biased elevated result; however, the grab groundwater samples do provide an indication if TPH is present.

7.4.4 Monitoring Well Groundwater Samples

The analytical results indicate TPH was not detected at or above the laboratory method detection limit in groundwater samples collected from wells MW-7 (boring OH-3) and MW-8 (boring OH-4). TPH was detected at a concentration of 66.1 mg/L in well MW-6 (boring OH-1). PAHs were not detected at or above the laboratory method detection limit in the groundwater sample collected from well MW-6.

8.0 CONCLUSIONS

The investigation results indicate that a release of petroleum hydrocarbons from the leaking hydraulic pipe has occurred in the vicinity of the oil house. The investigation confirmed the presence of TPH in shallow soils and groundwater which corresponded to the geophysical survey; however, the actual presence of petroleum hydrocarbon in groundwater was less extensive than the survey indicated.

Diesel to heavy-oil range petroleum hydrocarbons above the guidance DEQ Soil Matrix Level 2 cleanup level of 500 mg/kg were encountered in borings OH-1 (MW-6) and OH-5. These borings are located about 11 feet south and 22 feet southeast, respectively, of the hydraulic oil leak location. TPH impacted soils were not encountered as far south as boring OH-3 (MW-7) located 35 feet from the hydraulic leak, or towards the west in boring OH-4 (MW-8). VOCs and PAHs were not detected in selected soil samples containing elevated TPH concentrations above the Level 2 cleanup level.

TPH in groundwater was detected at concentrations of 668 and 258 mg/L in borings OH-1 and OH-5, respectively. TPH was detected after monitoring well MW-6 was installed in boring OH-1 at a concentration of 66.1 mg/L. PAHs were not detected in well MW-6. The results indicate that a release to shallow groundwater has occurred and is present in a localized area encompassing well MW-6 and boring OH-5. TPH was not detected in well MW-7 which suggests that TPH in groundwater has not migrated significantly far to the southwest to date.

Shallow groundwater in the vicinity of the oil is approximately 8 to 11 feet bgs and flows towards the southwest with a gradient of approximately 0.10 ft/ft. Over time, TPH impacted groundwater will most likely migrate towards the southwest, and has the potential to reach the Willamette River. Although regulatory cleanup levels for TPH in groundwater have not been established by DEQ, the levels are relatively high and may be of regulatory concern.

9.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on the results of Dames & Moore's investigation at the subject property. This report is intended exclusively for the purpose outlined herein and at the site location and project indicated. This report is intended for the sole use of Smurfit Newsprint Corporation. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or re-use of the document or the findings, conclusions, and recommendations presented is at the sole risk of said user. This warranty is in lieu of other warranties expressed or implied.

10.0 REFERENCES

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ELEVATIONS

Well Number	Date Measured	TOC Measuring Point Elevation[1] (feet, msl)	Depth to Groundwater Below TOC (feet)	Static Groundwater Elevation (feet MSL)
MW-6	6/17/97	167.96	8.28	159.68
MW-7	6/17/97	167.66	10.77	156.89
MW-8	6/17/97	167.72	8.75	158.97

KEY

msl mean sea level
TOC top of casing
1 Smurfit Engineering Local Datum, Benchmark #3, Elevation 174.00 feet msl

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS

Boring Number (New Number)	Sample Number	Date Sampled	Analyte/Concentration			
			TPH OR TPH-HCID (mg/kg)	TPH OR TPH-418.1 Modified (mg/kg)	VOCs EPA 8260 (µg/kg)	PAHs EPA 8270M-SIM (µg/kg)
OH-1 (MW-6)	OH-1-5'	6/14/97	Gasoline ND Diesel detected Heavy Oil detected	728	ND	--
	OH-1-10'		--	19,100	--	ND
	OH-1-11.5'		--	35	--	--
OH-2	OH-2-15'	6/14/97	--	ND	--	--
OH-3 (MW-7)	OH-3-5'	6/14/97	--	ND	ND	--
	OH-3-15'			ND	--	--
OH-4 (MW-8)	OH-4-10'	6/14/97	--	ND	--	--
	OH-4-15'		--	ND	--	--
OH-5	OH-5-5'	6/15/97	--	791	--	--
	OH-5-10'		--	4,990	--	--
Soil Matrix Level 2 Guidance TPH Cleanup Level			NA	500	NA	NA

KEY

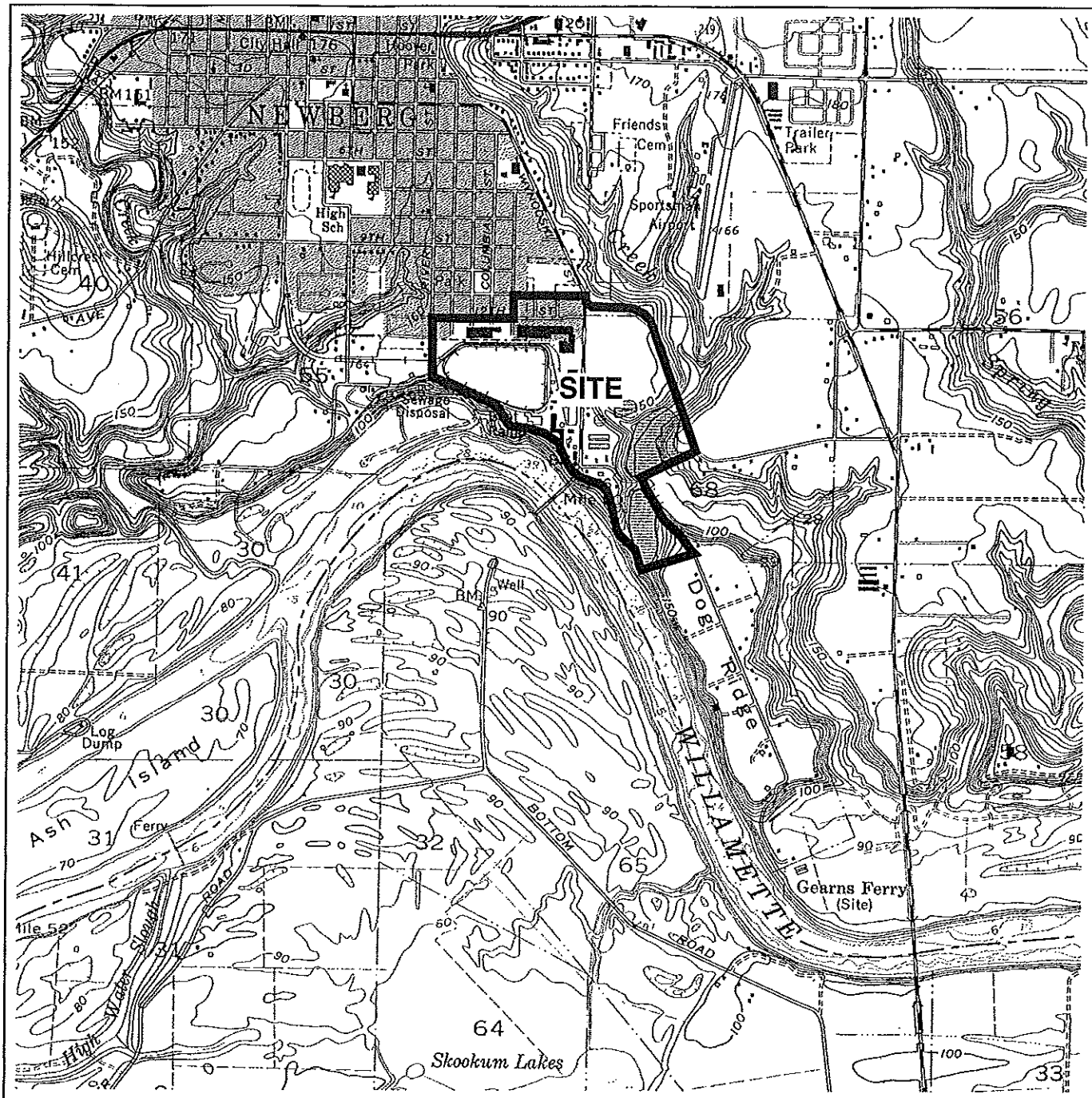
TPH	Total petroleum hydrocarbons
VOCs	Volatile organic compounds
PAHs	Polynuclear aromatic hydrocarbons
mg/kg	Milligrams per kilogram [parts per million]
µg/kg	Micrograms per kilogram [parts per billion]
ND	Not detected at or above the laboratory method detection limit
--	Sample not tested for the specified analyte
NA	Not applicable

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Boring Number (New Number)	Date Sampled	Analyte/Concentration	
		TPH[1] EPA 418.1 (mg/L)	PAHs EPA 8310 (µg/L)
GRAB GROUNDWATER SAMPLES			
OH-1 (MW-6)	6/14/97	668	--
OH-2	6/14/97	ND	--
OH-4 (MW-8)	6/14/97	ND	--
OH-5	6/15/97	258	--
MONITORING WELL GROUNDWATER SAMPLES			
MW-6	6/17/97	66.1	ND
MW-7	6/17/97	ND	--
MW-8	6/17/97	ND	--

KEY

TPH Total petroleum hydrocarbons
PAHs Polynuclear Aromatic Hydrocarbons
mg/L Milligrams per liter [parts per million]
µg/L Micrograms per liter [parts per billion]
ND Not detected at or above the laboratory method detection limit
-- Sample not tested for the specified analyte
1 Groundwater cleanup levels for TPH have not been established by DEQ



Reference: Newberg Quadrangle, USGS 7.5 Minute Series, 1961
Photorevised 1985

N

0 2000 Feet

Scale

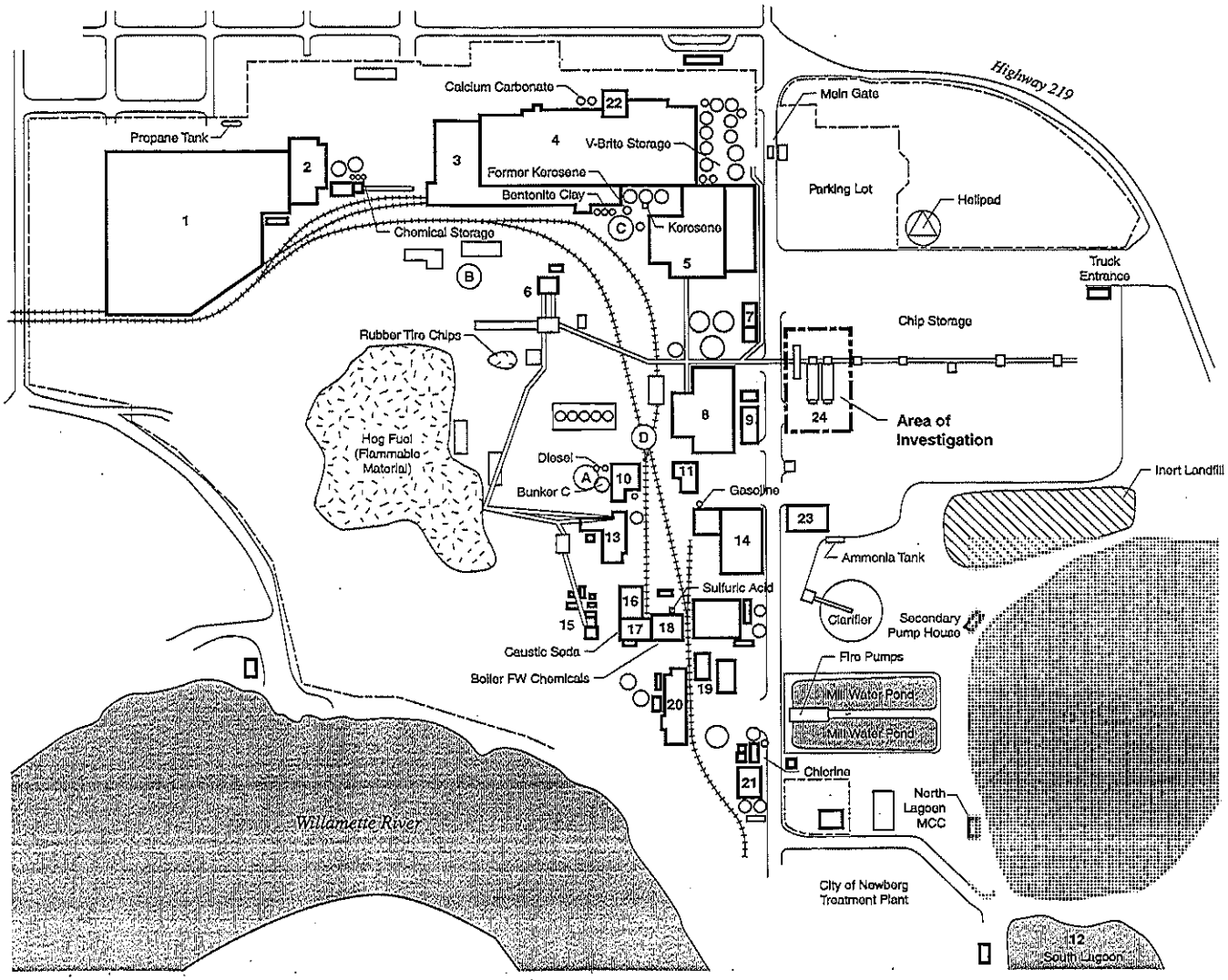
VICINITY MAP

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

FIGURE 1



KEY

- (A) Former Bunker "C" Oil Release
- (B) Former Transformer Oil Release
- (C) Former Kerosene Release
- (D) Surface Soil Staining

AREA KEY

1	Deink Warehouse
2	Deink Plant
3	Rollwrap & Shipping
4	Paper Machines
5	Warehouse
6	TMP & Refiners
7	Woodmill
8	Maintenance Lunchroom & Models
9	Main Office
10	No. 2 Turbine Generator
11	Automotive Shop
12	Effluent Treatment
13	No. 10 Boiler
14	Kraft Pulper Area & Fab Shop
15	No. 9 Boiler
16	Sludge Press Building
17	No. 6 & No. 7 Boilers
18	No. 1 Turbine Generator
19	Digesters (Demolished or Abandoned)
20	Carpenter Shop & Storage
21	Filter Plant
22	Lubricant Oil Storage Shed
23	Hazardous Waste Storage Building
24	Hydraulic Truck Lifts

N

0 300 Feet

Approximate Scale

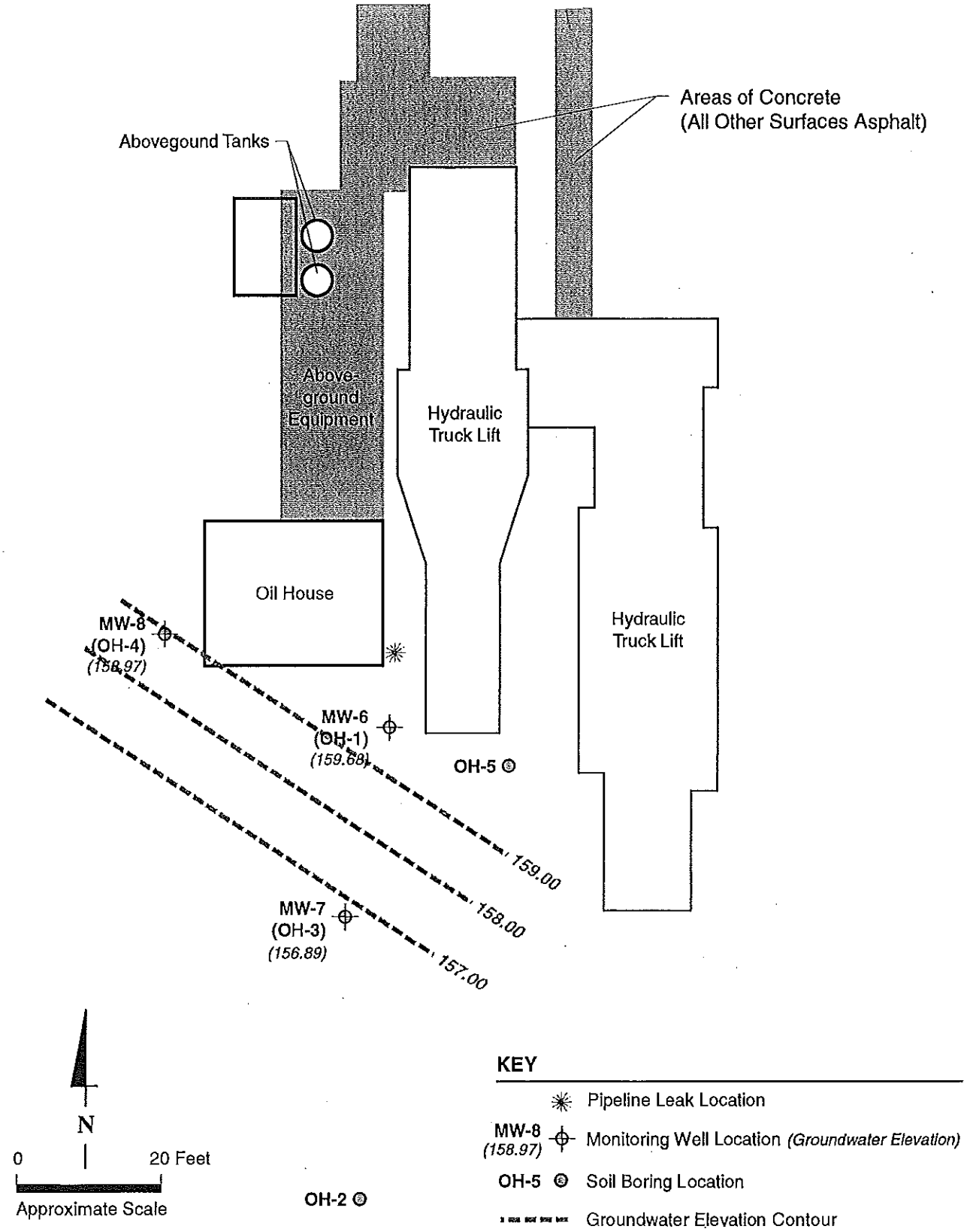
SITE PLAN

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

FIGURE 2



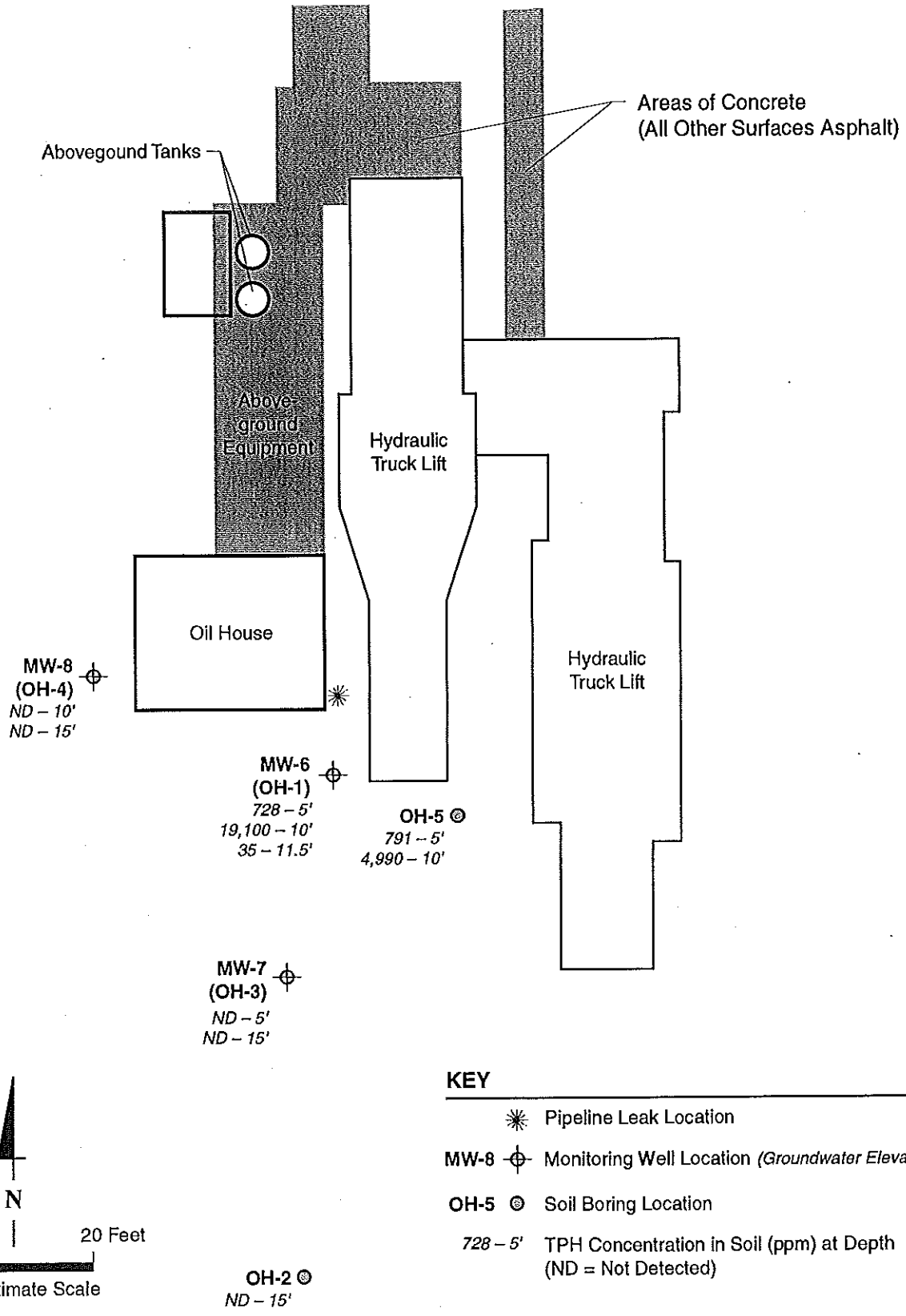
GROUNDWATER ELEVATION MAP – 16 JUNE 1997

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

DAMES & MOORE
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FIGURE 3



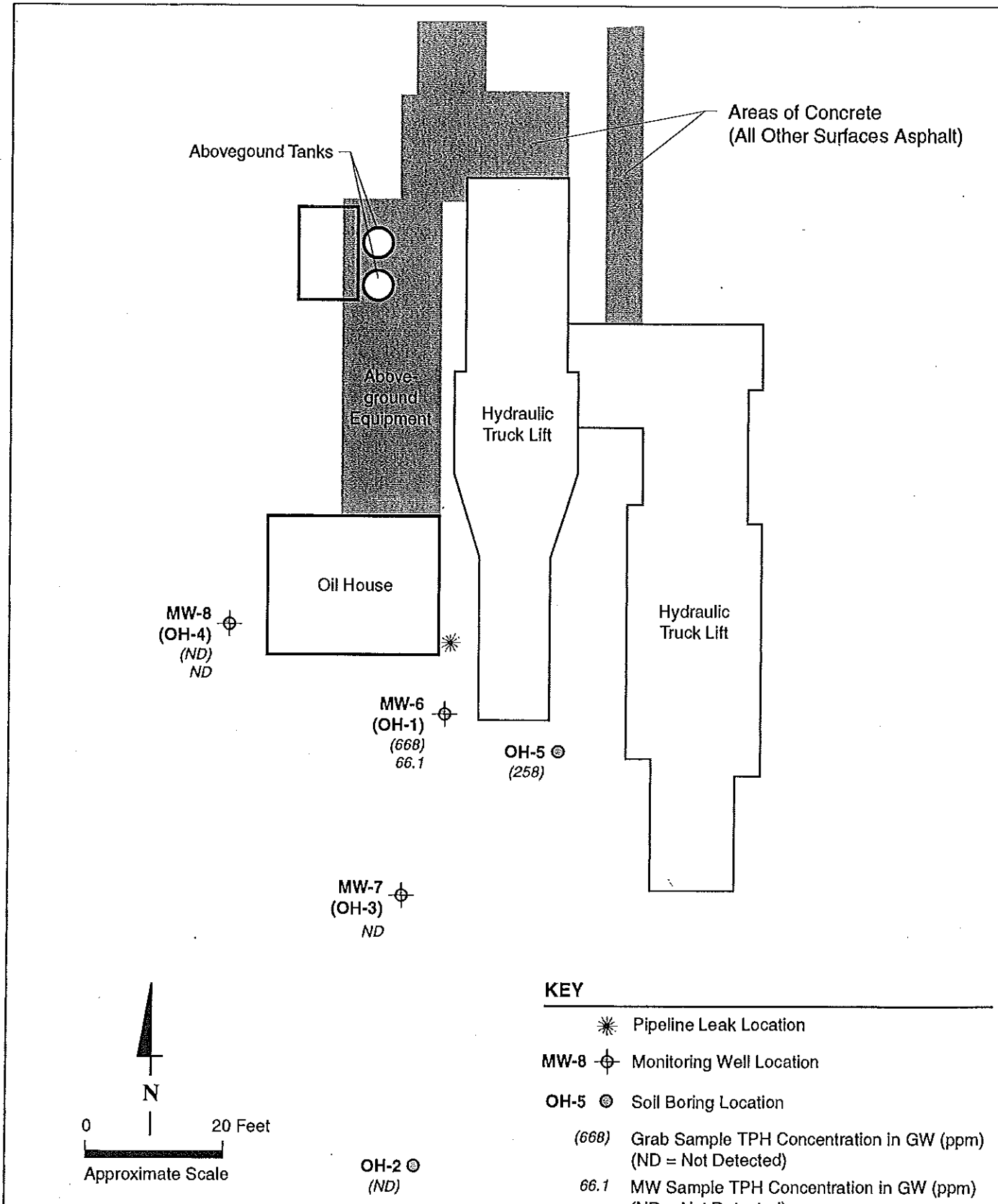
TPH CONCENTRATION IN SOIL – 16 JUNE 1997

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

DAMES & MOORE
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FIGURE 4



TPH CONCENTRATION IN GROUNDWATER – 16 JUNE 1997

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

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FIGURE 5

GeoPotential

ENVIRONMENTAL & EXPLORATION GEOPHYSICS

437 N.E. LIBERTY AVE. GRESHAM, OR 97030 • PH (503) 665-7520 • FAX (503) 492-4404
E-MAIL: GeoPotential@ortel.org

RESULTS

SUBSURFACE MAPPING SURVEY FOR UTILITIES AND CONTAMINANT PLUME

AT

SMURFIT NEWSPRINT
13001 WYNOOSKI
NEWBERG, OREGON

PERFORMED FOR

DAMES & MOORE
1750 S.W. HARBOR WAY
SUITE 400
PORTLAND, OREGON 97201

PERFORMED BY

GEOPOTENTIAL
437 NE LIBERTY AVENUE
GRESHAM, OREGON 97030

JUNE 14, 1997

INTRODUCTION

GeoPotential performed a SUBSURFACE MAPPING SURVEY for DAMES & MOORE, Portland, OR. SUBSURFACE MAPPING SURVEYS are geophysical surveys which use geophysical data and methods to identify and map the locations of subsurface features.

TIMING

Field work was performed on June 11, 1997. Report and site diagrams completed and mailed to DAMES & MOORE on June 14, 1997.

PURPOSE

The SUBSURFACE MAPPING SURVEY was designed to locate any subsurface utilities which may interfere with three proposed drill holes and to map the depth & extent of a possible hydraulic oil contaminant plume.

SURVEY SITE

The SURVEY SITE consisted of a portion of the SMURFIT NEWSPRINT lot located at 1301 Wynooski Street in Newberg, Oregon.

The SITE DIAGRAM shows the building located immediately West of the RAILER DUMPER. The Southeast exterior of this building was the possible source of a CONTAMINANT PLUME caused by leaking hydraulic oil. The area around the building is an asphalt covered driveway. The three proposed drill hole locations (DH1, 2 and 3) are shown on the diagram.

SURVEY SPECIFICATIONS

Four geophysical instruments were used for the survey:

1. SCHONSTEDT GA52B MAGNETIC GRADIOMETER (GA52 SURVEY).
2. AQUA-TRONICS A6 ELECTROMAGNETIC TRACER (EMA6 SURVEY).
3. AQUA_TRONICS POWER PUP (POWER CABLE SURVEY)
4. MALA RAMAC GROUND PENETRATING RADAR (GPR SURVEY).

The AREA to the West and South of the building were scanned for conductive utilities with an EMA6 and GA52 SURVEY. In addition an UNDERGROUND POWER CABLE SURVEY was conducted with the POWER PUP.

The GPR SURVEY consisted of acquiring and interpreting four GPR PROFILES A, B, C, and D. A 200 MEGAHERTZ antenna was used for acquisition and the data was processed with a subsurface velocity of 90 meters per microsecond.

GPR SURVEYS can detect subsurface utilities, shallow geologic layers and water tables. In addition, under the right conditions, GPR SURVEYS can detect hydrocarbon contaminants which may occur on or above the water table (see accompanying paper by Campell et. al.).

RESULTS

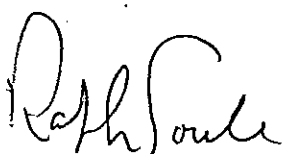
The results are shown on the accompanying SITE DIAGRAM and GPR PROFILES.

Utilities consisted of SEWER lines as shown on the SITE DIAGRAM and a water line. No underground power cables were identified.

The GPR PROFILES show a horizon at 13 to 15 feet which is interpreted as the top of the water table. Along and above this horizon are zones of stronger reflections which are interpreted to indicate zones of possible contaminant concentrations. However if these are contaminant zones they would be the zones of highest concentrations of contaminants and lower concentration may extend considerably further from this zone. The location of this zone is shown on the SITE DIAGRAM as "POSSIBLE EXTENT OF CONTAMINANT PLUME". Again this may represent only the highest concentrations of a possible contaminant plume.

LIMITATIONS

Geophysical surveys consist of interpreting geophysical responses from subsurface objects. Since a variety of subsurface objects can produce identical geophysical responses it is necessary to perform intrusive investigations (drilling or excavating) to confirm the geophysical interpretation. In addition many subsurface objects may produce no geophysical response. The use of this geophysical interpretation is the sole responsibility of the client.

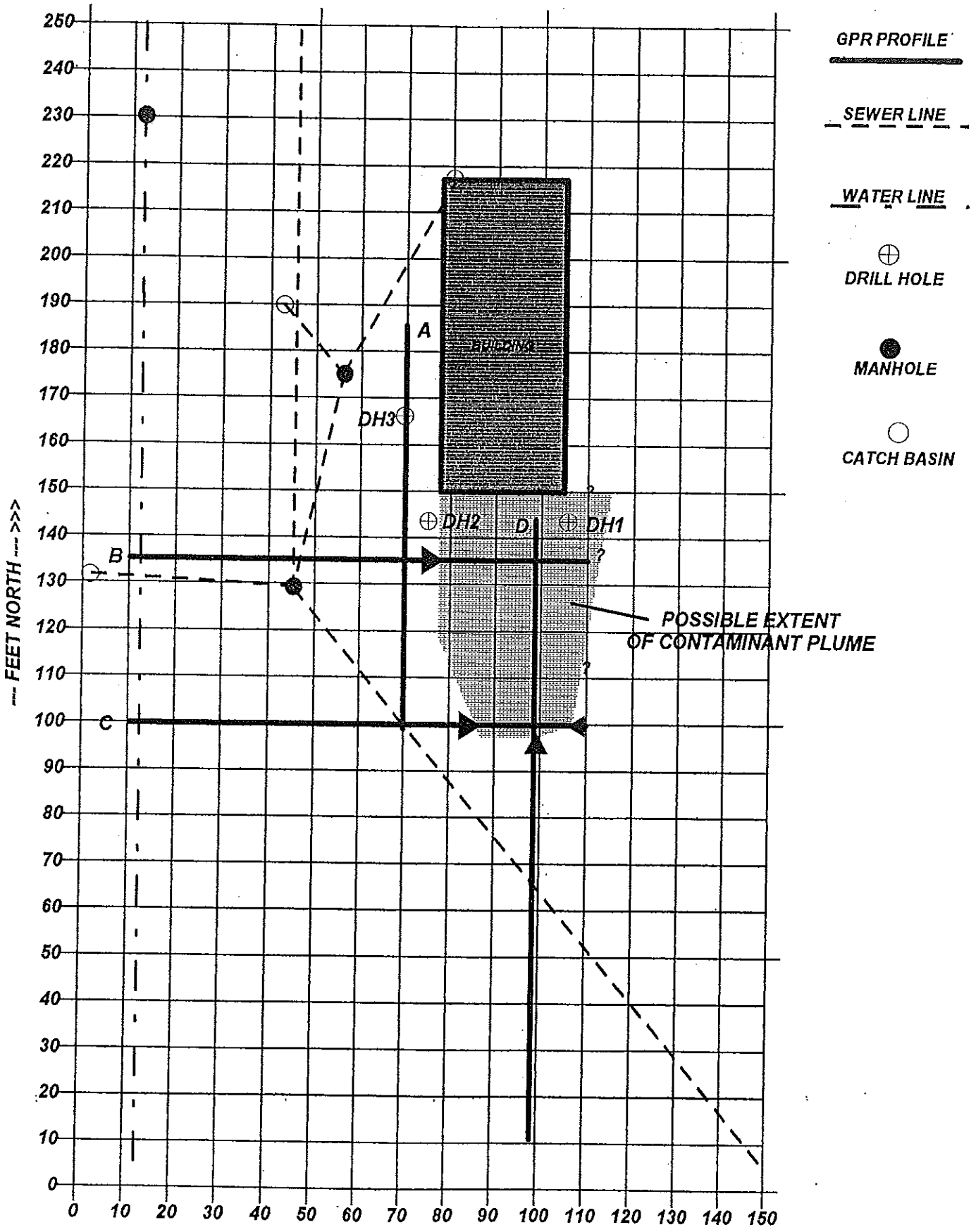


Ralph Soule
GeoPotential

June 14, 1997

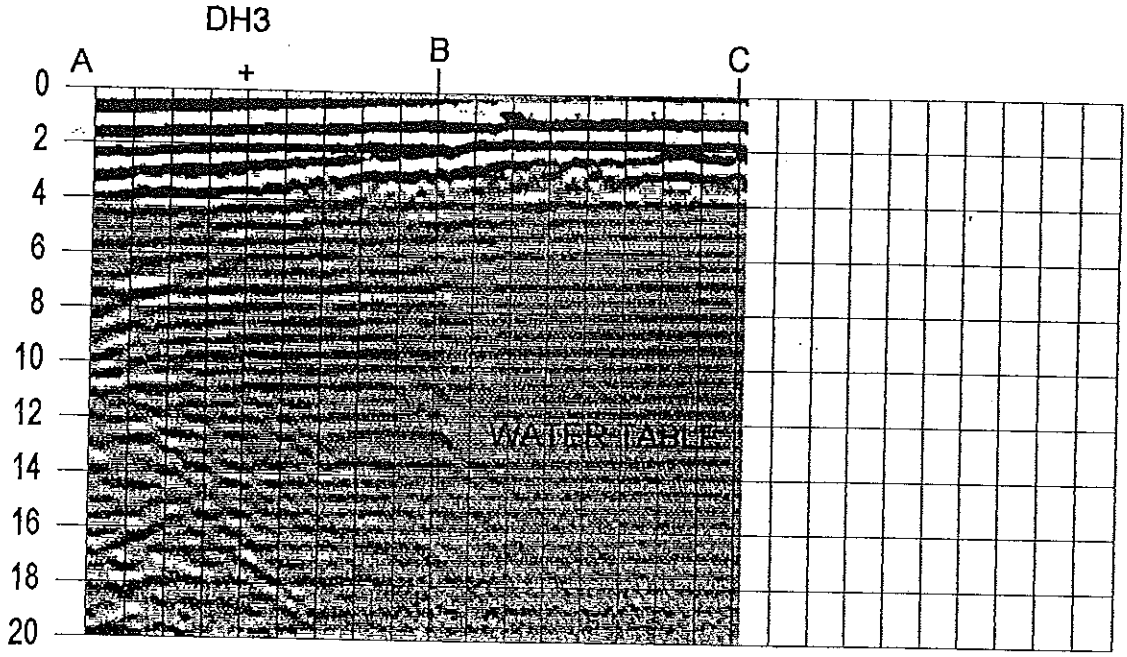
GeoPotential SUBSURFACE MAPPING SURVEY
SMURFIT, NEWBERG, OREGON
JUNE 12, 1997

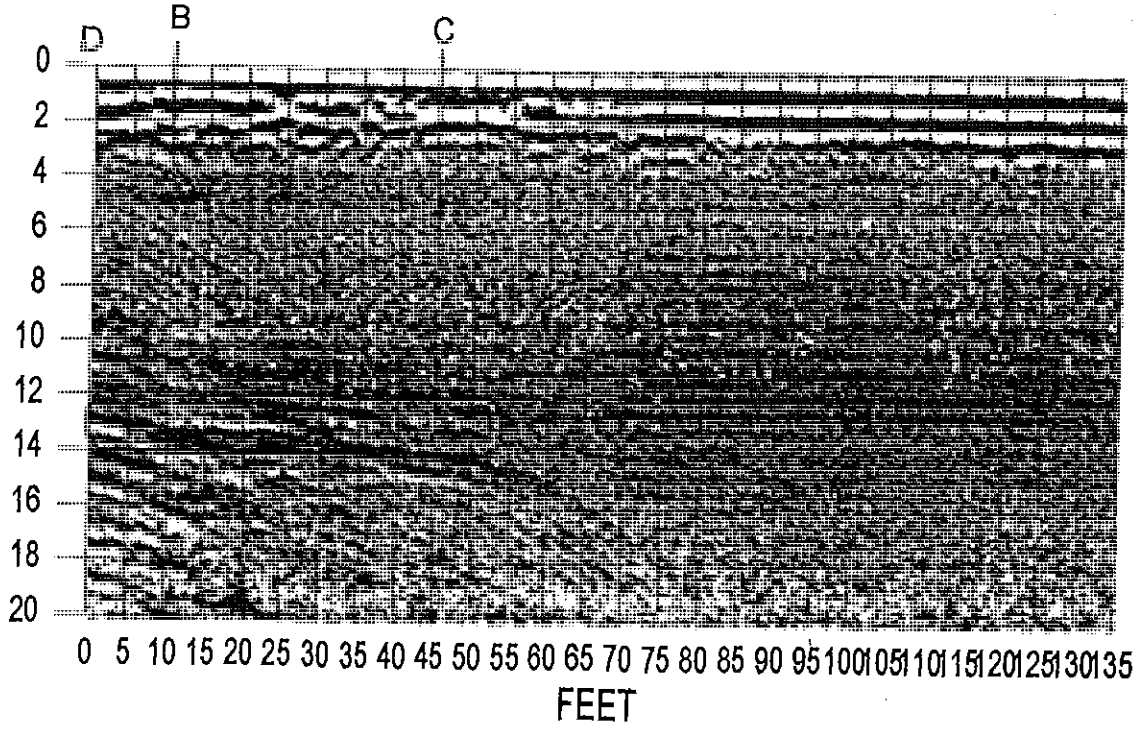
SITE DIAGRAM



GeoPotential SUBSURFACE MAPPING SURVEY
SMURFIT, NEWBERG, OREGON
JUNE 12, 1997

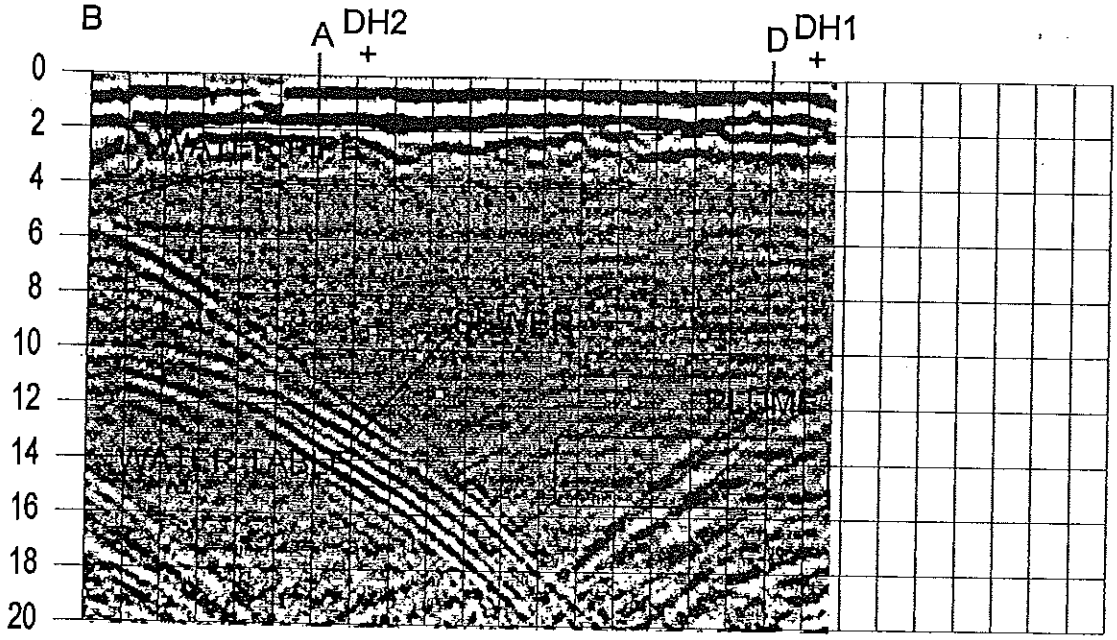
GPR 200 MHz ANTENNA

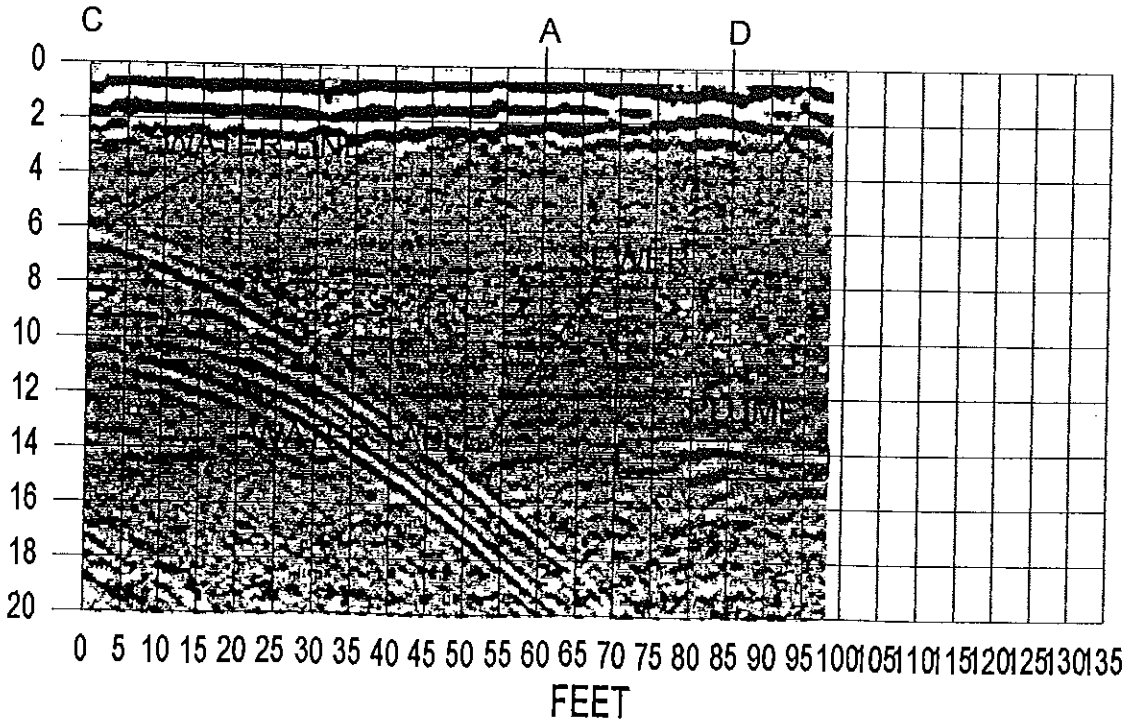




GeoPotential SUBSURFACE MAPPING SURVEY
SMURFIT, NEWBERG, OREGON
JUNE 12, 1997

GPR 200 MHz ANTENNA



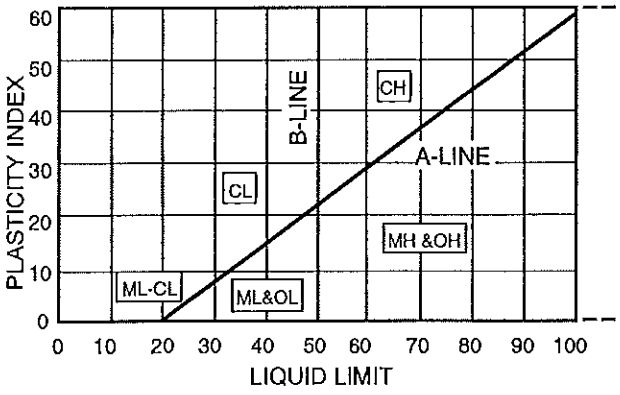


UNIFIED SOIL CLASSIFICATION SYSTEM

SYMBOL	LETTER	DESCRIPTION	MAJOR DIVISIONS			
	GW	WELL-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	CLEAN GRAVELS (LITTLE OR NO FINES)	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO.4 SIEVE SIZE	FOR VISUAL CLASSIFICATION, THE 1/4" SIZE MAY BE USED AS EQUIVALENT TO THE NO.4 SIEVE SIZE	COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO.200 SIEVE SIZE
	GP	POORLY-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES				
	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES				
	SW	WELL-GRADED SAND OR GRAVELLY SANDS, LITTLE OR NO FINES	CLEAN SANDS (LITTLE OR NO FINES)	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO.4 SIEVE SIZE		
	SP	POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES				
	SM	SILTY SANDS, SAND-SILT MIXTURES	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES				
	ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR. SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	SILTS & CLAYS LIQUID LIMIT LESS THAN 50			FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO.200 SIEVE SIZE
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS				
	OL	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY				
	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS	SILTS & CLAYS LIQUID LIMIT GREATER THAN 50			
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS				
	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS				
	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	HIGHLY ORGANIC SOILS			

THE NO.200 U.S. STANDARD SIEVE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE

PLASTICITY CHART



KEY TO SAMPLES

- INDICATES SAMPLE FOR LABORATORY ANALYSIS
- INDICATES SAMPLE FOR PHYSICAL TESTING
- INDICATES COMBINED PHYSICAL/LABORATORY SAMPLE
- INDICATES SAMPLE FOR GEOLOGIC LOGGING

KEY TO LITHOLOGIC CONTACTS

- INDICATES CONTACT OF LITHOLOGIC UNITS
- INDICATES INFERRED CONTACT OF UNITS
- INDICATES GRADATIONAL CONTACT OF UNITS
- INDICATES INFERRED GRADATIONAL CONTACT OF UNITS

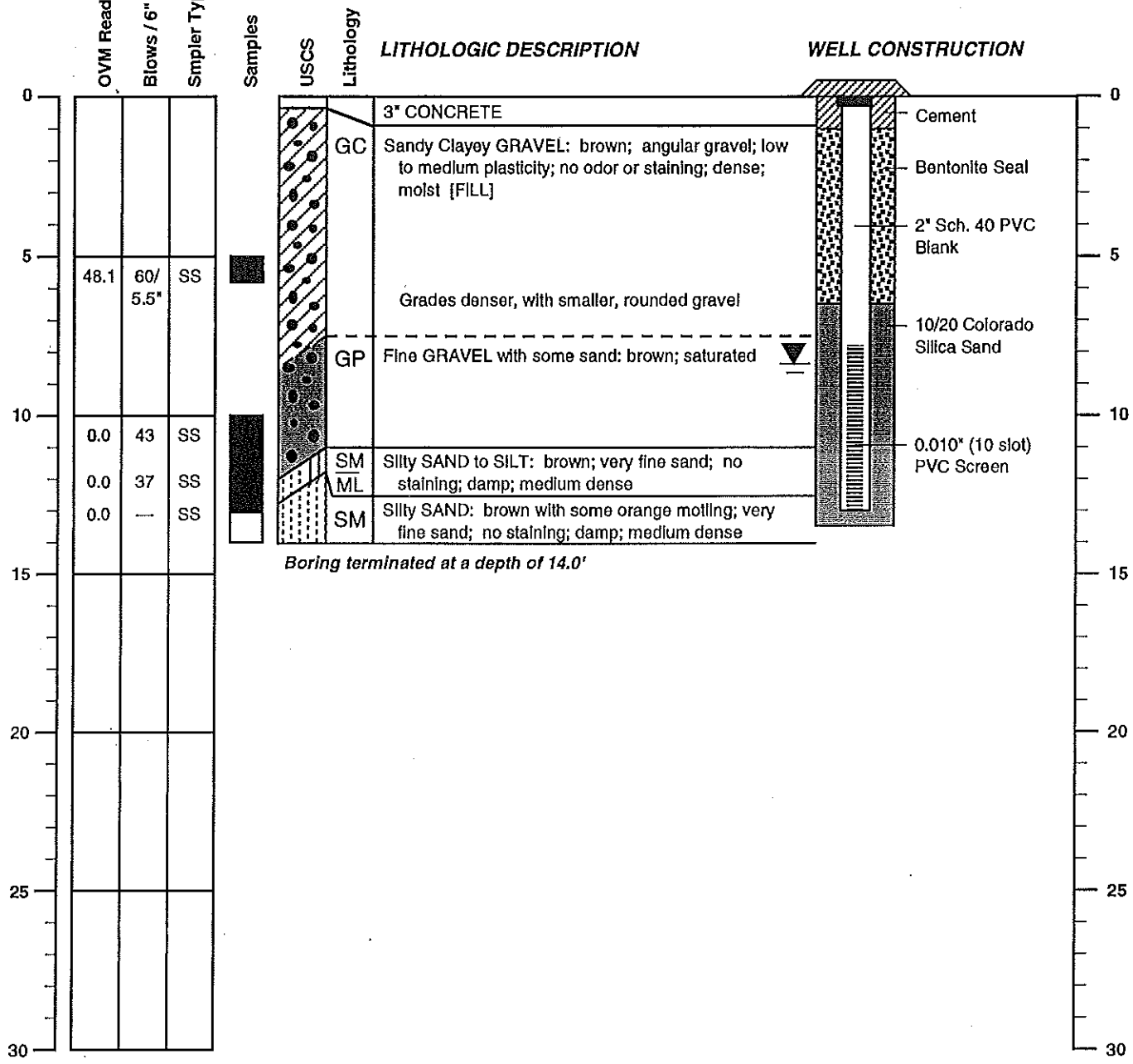
- DEPTH OF GROUNDWATER DURING DRILLING
- STATIC GROUNDWATER LEVEL (below top of casing)

SOIL CLASSIFICATION CHART AND KEY TO TEST DATA

Dames & Moore

MONITORING WELL MW-6
(Former Boring OH-1)

DATE DRILLED: 6/14/97



Boring terminated at a depth of 14.0'

NOTES:

1. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
2. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Figure B-1.

Drilling Method: Hollow Stem Auger; 140lb Hammer, 30" Drop

Sample Method: California Split Spoon

Drill Contractor: Tacoma Pump & Drilling

Geologist: JD

GEOLOGICAL BORING LOG & WELL COMPLETION DIAGRAM

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

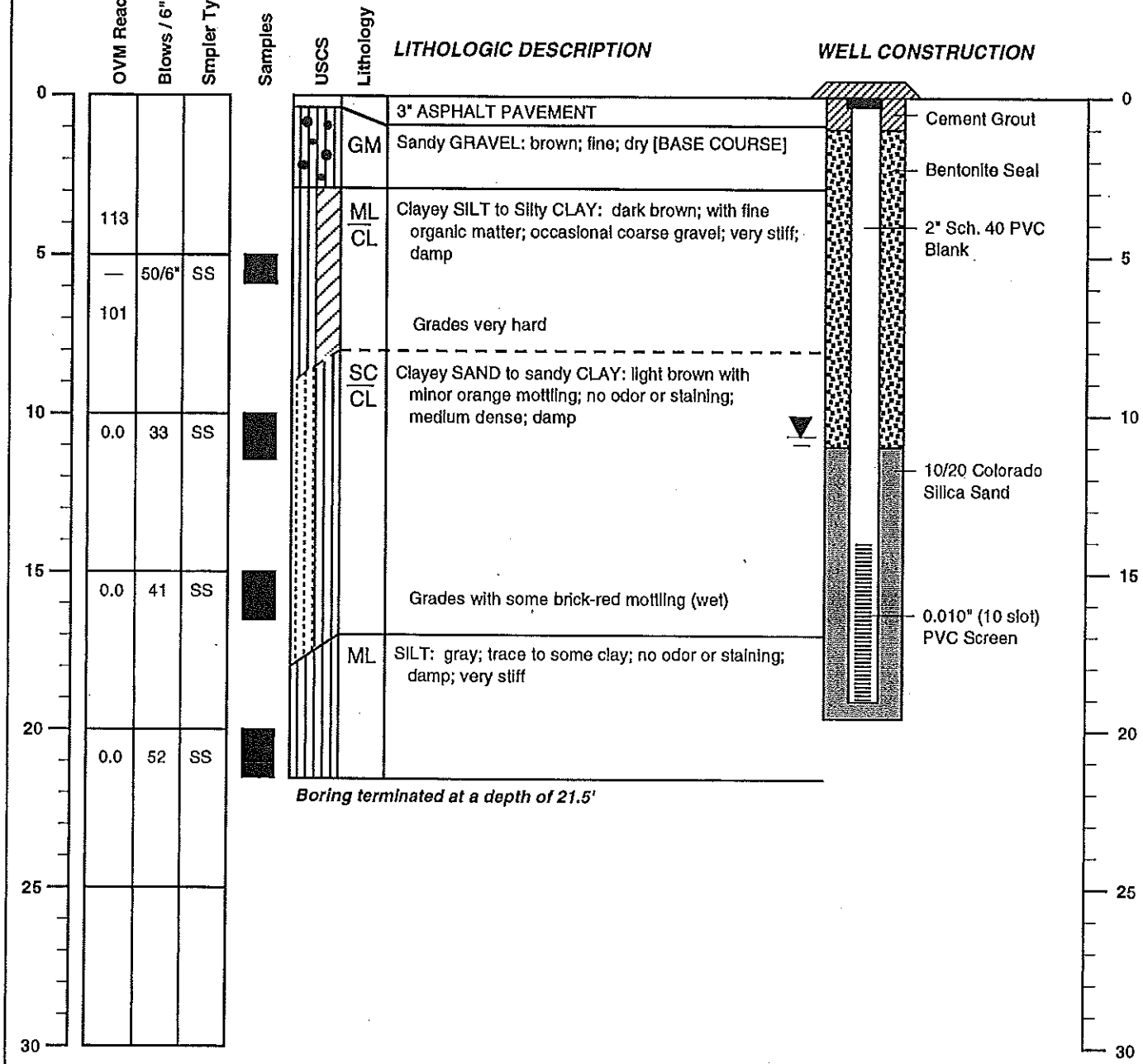
DAMES & MOORE
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December 1997
5840-040-005

FIGURE B-2

MONITORING WELL MW-7
(Former Boring OH-3)

DATE DRILLED: 6/14/97



Boring terminated at a depth of 21.5'

NOTES:
1. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
2. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Figure B-1.

Drilling Method: Hollow Stem Auger; 140lb Hammer, 30" Drop

Sample Method: California Split Spoon

Drill Contractor: Tacoma Pump & Drilling

Geologist: JD

GEOLOGICAL BORING LOG & WELL COMPLETION DIAGRAM

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

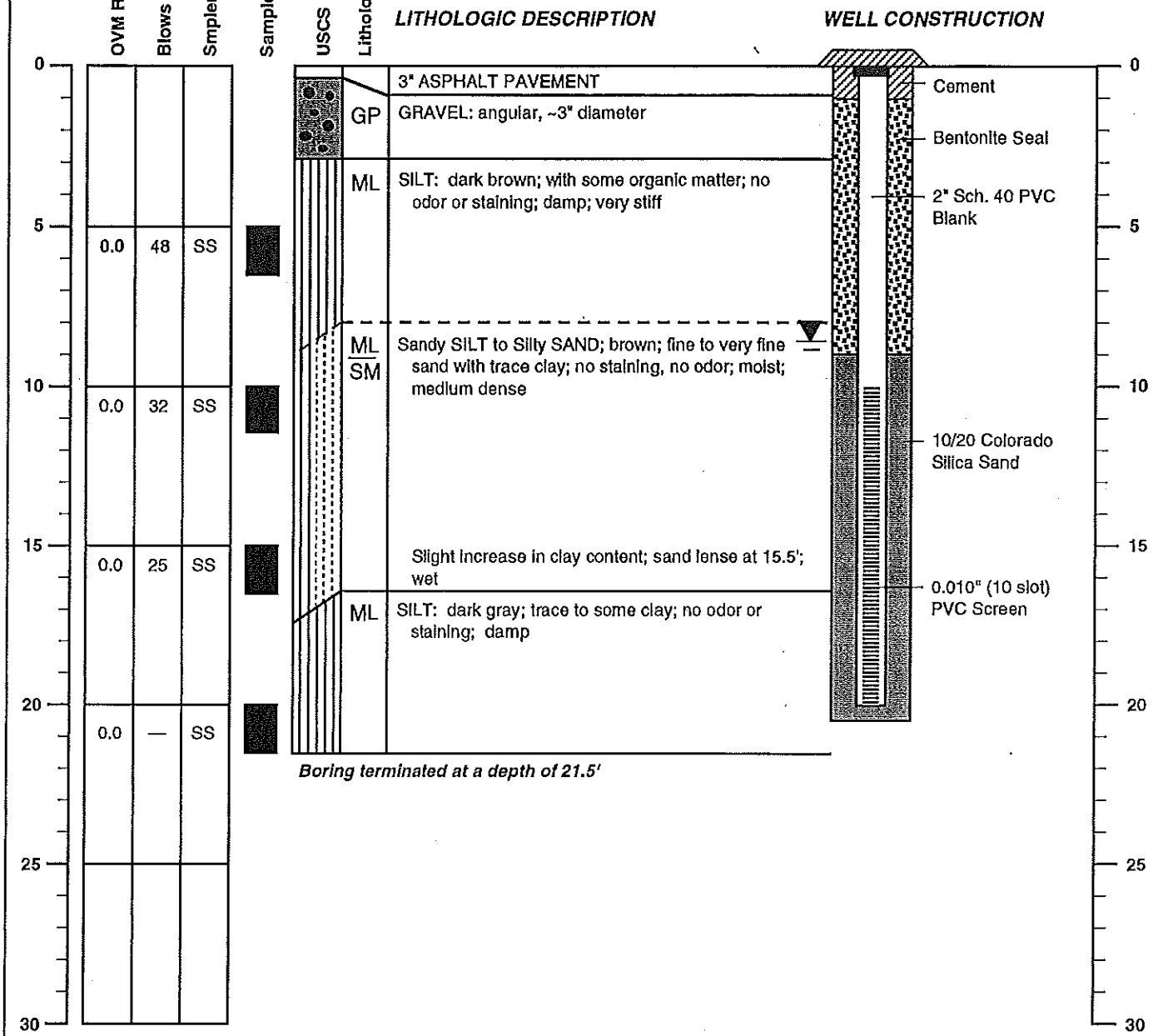
December 1997
5840-040-005

DAMES & MOORE
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FIGURE B-3

MONITORING WELL MW-8
(Former Boring OH-4)

DATE DRILLED: 6/14/97



Boring terminated at a depth of 21.5'

NOTES:
1. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
2. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Figure B-1.

Drilling Method: Hollow Stem Auger; 140lb Hammer, 30" Drop
Sample Method: California Split Spoon
Drill Contractor: Tacoma Pump & Drilling
Geologist: JD

GEOLOGICAL BORING LOG & WELL COMPLETION DIAGRAM

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

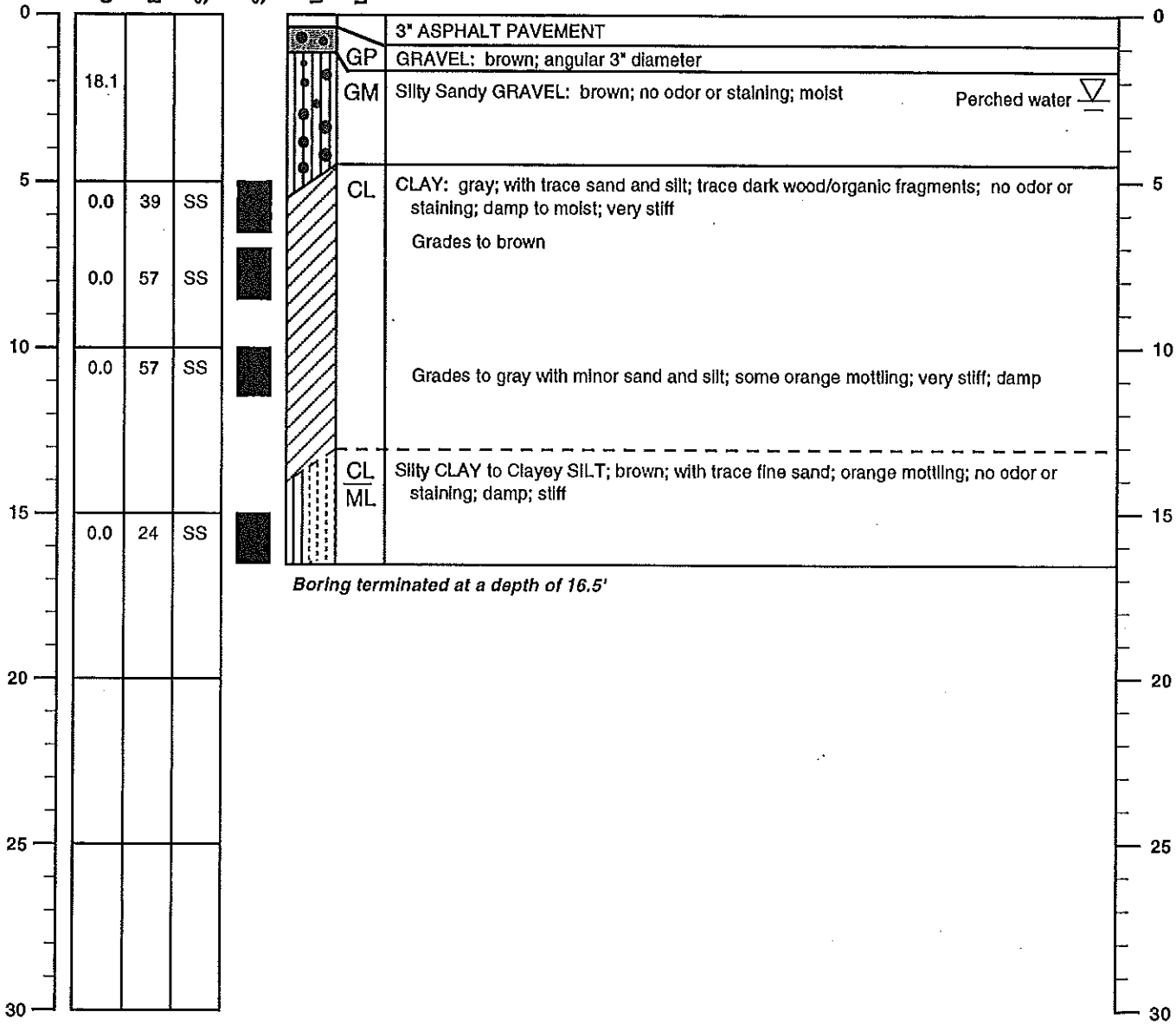
December 1997
5840-040-005

DAMES & MOORE
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FIGURE B-4

BORING OH-2

DATE DRILLED: 6/14/97



NOTES:

1. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
2. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Figure B-1.

Drilling Method: Hollow Stem Auger; 140lb Hammer, 30" Drop

Sample Method: California Split Spoon

Drill Contractor: Tacoma Pump & Drilling

Geologist: JD

GEOLOGICAL BORING LOG

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

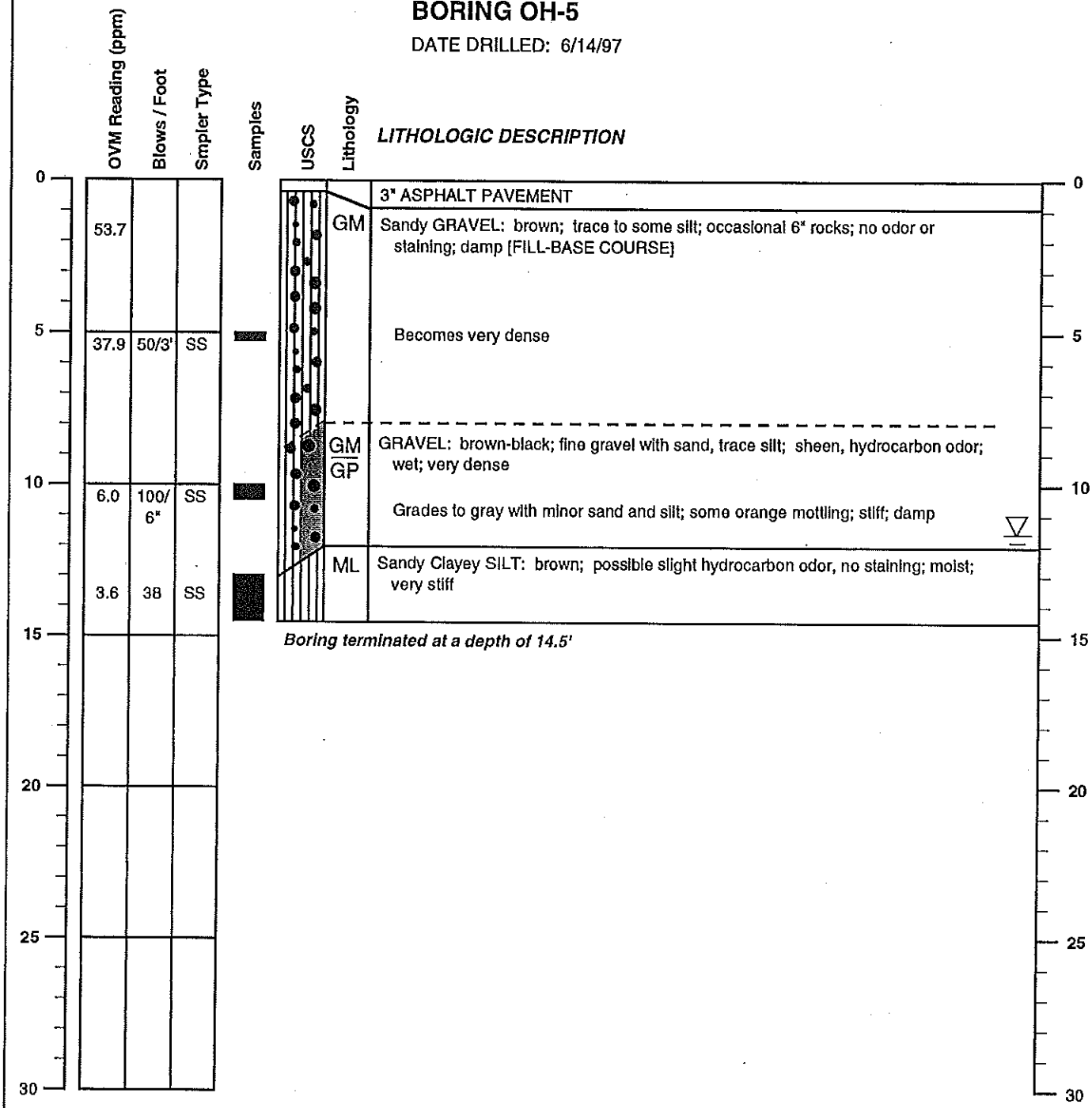
December 1997
5840-040-005

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FIGURE B-5

BORING OH-5

DATE DRILLED: 6/14/97



NOTES:

1. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
2. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Figure B-1.

Drilling Method: Hollow Stem Auger; 140lb Hammer, 30" Drop

Sample Method: California Split Spoon

Drill Contractor: Tacoma Pump & Drilling

Geologist: JD

GEOLOGICAL BORING LOG

Smurfit Newsprint Corporation
Soil & Groundwater Investigation
Truck Hydraulic Lift Area
Newberg, Oregon

December 1997
5840-040-005

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

FIGURE B-6

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project: Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number: 05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager: Peter Stroud	Reported: 7/15/97 10:39

ANALYTICAL REPORT FOR SAMPLES:

REVISED REPORT - 7/15/97

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
OH-1-5'	P706263-01	Soil	6/14/97
OH-1-W	P706263-02	Water	6/14/97
OH-1-10"	P706263-03	Soil	6/14/97
OH-1-11.5	P706263-04	Soil	6/14/97
OH-2-15'	P706263-09	Soil	6/14/97
OH-3-5'	P706263-10	Soil	6/14/97
-3-15'	P706263-12	Soil	6/14/97
OH-2-W	P706263-14	Water	6/14/97
OH-4-10'	P706263-16	Soil	6/14/97
OH-4-15'	P706263-17	Soil	6/14/97
OH-4-W	P706263-19	Water	6/14/97
OH-5-5'	P706263-20	Soil	6/14/97
OH-5-10'	P706263-21	Soil	6/14/97
OH-5-W	P706263-23	Water	6/14/97

...th Creek Analytical, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Howard Holmes, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Hydrocarbon Identification per Oregon DEQ Method HCID
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-1-5'			P706263-01				Soil	
Gasoline Range Hydrocarbons	0670423	6/19/97	6/20/97		20.0	ND	mg/kg	
Diesel Range Hydrocarbons	"	"	"		50.0	DET	"	
Heavy Oil Range Hydrocarbons	"	"	"		100	DET	"	
Surrogate: 1-Chlorooctadecane	"	"	"	*50.0-150*		*85.0*	%	

Refer to end of report for text of notes and definitions.

.th Creek Analytical, Inc.

ward Holmes, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Heavy Oil Range Hydrocarbons per Oregon DEQ Method 418.1 (modified)
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
OH-1-5'			**P706263-01**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	500	728	mg/kg	
OH-1-10"			**P706263-03**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	500	19100	mg/kg	
OH-1-11.5			**P706263-04**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	35.0	mg/kg	
OH-2-15'			**P706263-09**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	ND	mg/kg	
OH-3-5'			**P706263-10**				**Soil**	
"oleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	ND	mg/kg	
OH-3-15'			**P706263-12**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	ND	mg/kg	
OH-4-10'			**P706263-16**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	ND	mg/kg	
OH-4-15'			**P706263-17**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	20.0	ND	mg/kg	
OH-5-5'			**P706263-20**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	500	791	mg/kg	
OH-5-10'			**P706263-21**				**Soil**	
Petroleum Oil Hydrocarbons	0670424	6/19/97	6/24/97	DEQ 418.1 M	1000	4990	mg/kg	

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Total Recoverable Petroleum Hydrocarbons per EPA Method 418.1
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
OH-1-W			**P706263-02**				**Water**	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	668	mg/l	
OH-2-W			**P706263-14**				**Water**	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	ND	mg/l	
OH-4-W			P706263-19				Water	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	ND	mg/l	
OH-5-W			P706263-23				Water	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	258	mg/l	

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Polynuclear Aromatic Compounds per EPA 8270M-SIM
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-1-10"			**P706263-03**				**Soil**	**1**
Acenaphthene	0670600	6/26/97	6/30/97		26.8	ND	ug/kg dry	
Acenaphthylene	"	"	"		26.8	ND	"	
Anthracene	"	"	"		26.8	ND	"	
Benzo (a) anthracene	"	"	"		26.8	ND	"	
Benzo (a) pyrene	"	"	"		67.0	ND	"	
Benzo (b) fluoranthene	"	"	"		67.0	ND	"	
Benzo (ghi) perylene	"	"	"		67.0	ND	"	
Benzo (k) fluoranthene	"	"	"		67.0	ND	"	
Chrysene	"	"	"		26.8	ND	"	
Dibenzo (a,h) anthracene	"	"	"		67.0	ND	"	
Fluoranthene	"	"	"		26.8	ND	"	
Fluorene	"	"	"		26.8	ND	"	
[illegible]ene (1,2,3-cd) pyrene	"	"	"		67.0	ND	"	
[illegible]phthalene	"	"	"		26.8	ND	"	
Phenanthrene	"	"	"		26.8	ND	"	
Pyrene	"	"	"		26.8	ND	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	*30.0-115*		*88.1*	*%*	
Surrogate: Nitrobenzene-d5	"	"	"	*23.0-120*	*26.5*	*99.0*	"	
Surrogate: p-Terphenyl-d14	"	"	"	*18.0-137*		*82.0*	"	

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-1-5'			**P706263-01**				**Soil**	
Acetone	0670790	6/26/97	6/26/97		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Bromobenzene	"	"	"		0.0500	ND	"	
Bromochloromethane	"	"	"		0.0500	ND	"	
Bromodichloromethane	"	"	"		0.0500	ND	"	
Bromoform	"	"	"		0.0500	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
2-Butanone	"	"	"		1.00	ND	"	
n-Butylbenzene	"	"	"		0.0500	ND	"	
sec-Butylbenzene	"	"	"		0.0500	ND	"	
tert-Butylbenzene	"	"	"		0.0500	ND	"	
Carbon disulfide	"	"	"		0.0500	ND	"	
Carbon tetrachloride	"	"	"		0.0500	ND	"	
Chlorobenzene	"	"	"		0.0500	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0500	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
2-Chlorotoluene	"	"	"		0.0500	ND	"	
4-Chlorotoluene	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.200	ND	"	
1,2-Dibromoethane	"	"	"		0.0500	ND	"	
Dibromomethane	"	"	"		0.0500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0500	ND	"	
Dichlorodifluoromethane	"	"	"		0.0500	ND	"	
1,1-Dichloroethane	"	"	"		0.0500	ND	"	
1,2-Dichloroethane	"	"	"		0.0500	ND	"	
1,1-Dichloroethene	"	"	"		0.0500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0500	ND	"	
1,2-Dichloropropane	"	"	"		0.0500	ND	"	
1,3-Dichloropropane	"	"	"		0.0500	ND	"	
2,2-Dichloropropane	"	"	"		0.0500	ND	"	
1,1-Dichloropropene	"	"	"		0.0500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0500	ND	"	

North Creek Analytical, Inc.

Refer to end of report for text of notes and definitions.

Howard Holmes, Project Manager

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Dames and Moore	Project: Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number: 05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager: Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-1-5' (continued)			**P706263-01**				**Soil**	
Ethylbenzene	0670790	6/26/97	6/26/97		0.0500	ND	mg/kg dry	
Hexachlorobutadiene	"	"	"		0.0500	ND	"	
2-Hexanone	"	"	"		1.00	ND	"	
Isopropylbenzene	"	"	"		0.0500	ND	"	
p-Isopropyltoluene	"	"	"		0.0500	ND	"	
Methylene chloride	"	"	"		0.500	ND	"	
4-Methyl-2-pentanone	"	"	"		1.00	ND	"	
Naphthalene	"	"	"		0.0500	ND	"	
n-Propylbenzene	"	"	"		0.0500	ND	"	
Styrene	"	"	"		0.0500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0500	ND	"	
[illegible]rachloroethene	"	"	"		0.0500	ND	"	
[illegible]uene	"	"	"		0.0500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.0500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.0500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0500	ND	"	
Trichloroethene	"	"	"		0.0500	ND	"	
Trichlorofluoromethane	"	"	"		0.0500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.0500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.0500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.0500	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
o-Xylene	"	"	"		0.0500	ND	"	
m,p-Xylene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*84.2*	*%*	
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*87.4*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*90.1*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*90.5*	"	

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**Refer to end of report for text of notes and definitions.*

Howard Holmes, Project Manager

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-3-5'			**P706263-10**				**Soil**	
Acetone	0670790	6/26/97	6/27/97		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Bromobenzene	"	"	"		0.0500	ND	"	
Bromochloromethane	"	"	"		0.0500	ND	"	
Bromodichloromethane	"	"	"		0.0500	ND	"	
Bromoform	"	"	"		0.0500	ND	"	
Bromomethane	"	"	"		0.0500	ND	"	
2-Butanone	"	"	"		1.00	ND	"	
n-Butylbenzene	"	"	"		0.0500	ND	"	
sec-Butylbenzene	"	"	"		0.0500	ND	"	
tert-Butylbenzene	"	"	"		0.0500	ND	"	
Carbon disulfide	"	"	"		0.0500	ND	"	
·bon tetrachloride	"	"	"		0.0500	ND	"	
...orobenzene	"	"	"		0.0500	ND	"	
Chloroethane	"	"	"		0.0500	ND	"	
Chloroform	"	"	"		0.0500	ND	"	
Chloromethane	"	"	"		0.0500	ND	"	
2-Chlorotoluene	"	"	"		0.0500	ND	"	
4-Chlorotoluene	"	"	"		0.0500	ND	"	
Dibromochloromethane	"	"	"		0.0500	ND	"	
1,2-Dibromo-3-chloropropane	"	"	"		0.200	ND	"	
1,2-Dibromoethane	"	"	"		0.0500	ND	"	
Dibromomethane	"	"	"		0.0500	ND	"	
1,2-Dichlorobenzene	"	"	"		0.0500	ND	"	
1,3-Dichlorobenzene	"	"	"		0.0500	ND	"	
1,4-Dichlorobenzene	"	"	"		0.0500	ND	"	
Dichlorodifluoromethane	"	"	"		0.0500	ND	"	
1,1-Dichloroethane	"	"	"		0.0500	ND	"	
1,2-Dichloroethane	"	"	"		0.0500	ND	"	
1,1-Dichloroethene	"	"	"		0.0500	ND	"	
cis-1,2-Dichloroethene	"	"	"		0.0500	ND	"	
trans-1,2-Dichloroethene	"	"	"		0.0500	ND	"	
1,2-Dichloropropane	"	"	"		0.0500	ND	"	
1,3-Dichloropropane	"	"	"		0.0500	ND	"	
2,2-Dichloropropane	"	"	"		0.0500	ND	"	
1,1-Dichloropropene	"	"	"		0.0500	ND	"	
cis-1,3-Dichloropropene	"	"	"		0.0500	ND	"	
trans-1,3-Dichloropropene	"	"	"		0.0500	ND	"	

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OH-3-5' (continued)			P706263-10				**Soil**	
Ethylbenzene	0670790	6/26/97	6/27/97		0.0500	ND	mg/kg dry	
Hexachlorobutadiene	"	"	"		0.0500	ND	"	
2-Hexanone	"	"	"		1.00	ND	"	
Isopropylbenzene	"	"	"		0.0500	ND	"	
p-Isopropyltoluene	"	"	"		0.0500	ND	"	
Methylene chloride	"	"	"		0.500	ND	"	
4-Methyl-2-pentanone	"	"	"		1.00	ND	"	
Naphthalene	"	"	"		0.0500	ND	"	
n-Propylbenzene	"	"	"		0.0500	ND	"	
Styrene	"	"	"		0.0500	ND	"	
1,1,1,2-Tetrachloroethane	"	"	"		0.0500	ND	"	
1,1,2,2-Tetrachloroethane	"	"	"		0.0500	ND	"	
[illegible]rachloroethene	"	"	"		0.0500	ND	"	
[illegible]uene	"	"	"		0.0500	ND	"	
1,2,3-Trichlorobenzene	"	"	"		0.0500	ND	"	
1,2,4-Trichlorobenzene	"	"	"		0.0500	ND	"	
1,1,1-Trichloroethane	"	"	"		0.0500	ND	"	
1,1,2-Trichloroethane	"	"	"		0.0500	ND	"	
Trichloroethene	"	"	"		0.0500	ND	"	
Trichlorofluoromethane	"	"	"		0.0500	ND	"	
1,2,3-Trichloropropane	"	"	"		0.0500	ND	"	
1,2,4-Trimethylbenzene	"	"	"		0.0500	ND	"	
1,3,5-Trimethylbenzene	"	"	"		0.0500	ND	"	
Vinyl chloride	"	"	"		0.0500	ND	"	
o-Xylene	"	"	"		0.0500	ND	"	
m,p-Xylene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*88.7*	*%*	
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*89.2*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*93.9*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*93.1*	"	

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled:	6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received:	6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported:	7/15/97 10:39

Dry Weight Determination
North Creek Analytical - Bothell

Sample Name	Lab ID	Matrix	Result	Units
OH-1-5'	P706263-01	Soil	90.2	%
OH-3-5'	P706263-10	Soil	86.6	%

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled:	6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received:	6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported:	7/15/97 10:39

Dry Weight Determination
North Creek Analytical - Portland

Sample Name	Lab ID	Matrix	Result	Units
OH-1-5'	P706263-01	Soil	89.8	%
OH-1-10"	P706263-03	Soil	82.3	%
OH-3-5'	P706263-10	Soil	84.6	%

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Hydrocarbon Identification per Oregon DEQ Method HCID/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670423	**Date Prepared: 6/19/97**					**Extraction Method: TPH-HCID (OR)**				
Blank	**0670423-BLK1**									
Gasoline Range Hydrocarbons	6/19/97			**ND**	mg/kg	**20.0**				
Diesel Range Hydrocarbons	"			**ND**	"	**50.0**				
Heavy Oil Range Hydrocarbons	"			**ND**	"	**100**				
Surrogate: 1-Chlorooctadecane	"	*DET*		*DET*	"	*50.0-150*	*107*			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported:. 7/15/97 10:39

Heavy Oil Range Hydrocarbons per Oregon DEQ Method 418.1 (modified)/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670424	**Date Prepared: 6/19/97**					**Extraction Method: TPH-418.1 (OR)**				
Blank	0670424-BLK1									
Petroleum Oil Hydrocarbons	6/23/97			ND	mg/kg	20.0				
LCS	0670424-BS1									
Petroleum Oil Hydrocarbons	6/23/97	175		157	mg/kg	50.0-150	89.7			
Duplicate	0670424-DUP1		P706263-01							
Petroleum Oil Hydrocarbons	6/24/97		728	662	mg/kg			50.0	9.50	
Duplicate	0670424-DUP2		P706263-09							
Petroleum Oil Hydrocarbons	6/24/97		ND	ND	mg/kg			50.0		
Duplicate	0670424-DUP3		P706306-02							
Petroleum Oil Hydrocarbons	6/24/97		188	105	mg/kg			50.0	56.7	2

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Total Recoverable Petroleum Hydrocarbons per EPA Method 418.1/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670472	**Date Prepared: 6/20/97**					**Extraction Method: TPH Freon Extraction**				
Blank	**0670472-BLK1**									
Petroleum Oil Hydrocarbons	6/23/97			ND	mg/l	0.500				
LCS	**0670472-BS1**									
Petroleum Oil Hydrocarbons	6/23/97	5.00		5.55	mg/l	50.0-150	111			
LCS Dup	**0670472-BSD1**									
Petroleum Oil Hydrocarbons	6/23/97	5.00		5.86	mg/l	50.0-150	117	50.0	5.26	

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Polynuclear Aromatic Compounds per EPA 8270M-SIM/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670600	**Date Prepared: 6/26/97**					**Extraction Method: EPA 3550**				
Blank	**0670600-BLK1**									
Acenaphthene	6/29/97			ND	ug/kg dry	6.70				
Acenaphthylene	"			ND	"	6.70				
Anthracene	"			ND	"	6.70				
Benzo (a) anthracene	"			ND	"	6.70				
Benzo (a) pyrene	"			ND	"	6.70				
Benzo (b) fluoranthene	"			ND	"	6.70				
Benzo (ghi) perylene	"			ND	"	6.70				
Benzo (k) fluoranthene	"			ND	"	6.70				
Chrysene	"			ND	"	6.70				
Dibenzo (a,h) anthracene	"			ND	"	6.70				
Fluoranthene	"			ND	"	6.70				
Fluorene	"			ND	"	6.70				
Indeno (1,2,3-cd) pyrene	"			ND	"	6.70				
Naphthalene	"			ND	"	6.70				
Phenanthrene	"			ND	"	6.70				
Pyrene	"			ND	"	6.70				
Surrogate: 2-Fluorobiphenyl	"	*83.3*		*76.0*	"	*30.0-115*	*91.2*			
Surrogate: Nitrobenzene-d5	"	*83.3*		*ND*	"	*23.0-120*	*NR*			*3*
Surrogate: p-Terphenyl-d14	"	*83.3*		*100*	"	*18.0-137*	*120*			
LCS	**0670600-BS1**									
Acenaphthylene	6/29/97	167		154	ug/kg dry	50.0-150	92.2			
Benzo (k) fluoranthene	"	167		149	"	50.0-150	89.2			
Pyrene	"	167		191	"	50.0-150	114			
Surrogate: 2-Fluorobiphenyl	"	*83.3*		*79.3*	"	*30.0-115*	*95.2*			
Surrogate: Nitrobenzene-d5	"	*83.3*		*ND*	"	*23.0-120*	*NR*			*3*
Surrogate: p-Terphenyl-d14	"	*83.3*		*85.3*	"	*18.0-137*	*102*			
Matrix Spike	**0670600-MS1**		**P706437-03**							
Acenaphthylene	7/1/97	239	ND	185	ug/kg dry	50.0-150	77.4			
Benzo (k) fluoranthene	"	239	ND	230	"	50.0-150	96.2			
Pyrene	"	239	ND	280	"	50.0-150	117			
Surrogate: 2-Fluorobiphenyl	"	*119*		*92.2*	"	*30.0-115*	*77.5*			
Surrogate: Nitrobenzene-d5	"	*119*		*107*	"	*23.0-120*	*89.9*			
Surrogate: p-Terphenyl-d14	"	*119*		*138*	"	*18.0-137*	*116*			

North Creek Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

Howard Holmes, Project Manager

NORTH CREEK ANALYTICAL
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PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Polynuclear Aromatic Compounds per EPA 8270M-SIM/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup	0670600-MSD1		P706437-03							
Acenaphthylene	7/1/97	239	ND	178	ug/kg dry	50.0-150	**74.5**	60.0	**3.82**	
Benzo (k) fluoranthene	"	239	ND	230	"	50.0-150	**96.2**	60.0	**0**	
Pyrene	"	239	ND	233	"	50.0-150	**97.5**	60.0	**18.2**	
Surrogate: 2-Fluorobiphenyl	"	*119*		*85.5*	"	*30.0-115*	*71.8*			
Surrogate: Nitrobenzene-d5	"	*119*		*84.6*	"	*23.0-120*	*71.1*			
Surrogate: p-Terphenyl-d14	"	*119*		*116*	"	*18.0-137*	*97.5*			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670790	**Date Prepared: 6/26/97**					**Extraction Method: MeOH Extraction**				
Blank	**0670790-BLK1**									
Acetone	6/26/97			ND	mg/kg dry	2.00				
Benzene	"			ND	"	0.200				
Bromobenzene	"			ND	"	0.200				
Bromochloromethane	"			ND	"	0.200				
Bromodichloromethane	"			ND	"	0.200				
Bromoform	"			ND	"	0.200				
Bromomethane	"			ND	"	0.200				
2-Butanone	"			ND	"	2.00				
n-Butylbenzene	"			ND	"	0.200				
sec-Butylbenzene	"			ND	"	0.200				
tert-Butylbenzene	"			ND	"	0.200				
[illegible]-bon disulfide	"			ND	"	0.200				
[illegible]bon tetrachloride	"			ND	"	0.200				
Chlorobenzene	"			ND	"	0.200				
Chloroethane	"			ND	"	0.200				
Chloroform	"			ND	"	0.200				
Chloromethane	"			ND	"	0.200				
2-Chlorotoluene	"			ND	"	0.200				
4-Chlorotoluene	"			ND	"	0.200				
Dibromochloromethane	"			ND	"	0.200				
1,2-Dibromo-3-chloropropane	"			ND	"	1.00				
1,2-Dibromoethane	"			ND	"	0.200				
Dibromomethane	"			ND	"	0.200				
1,2-Dichlorobenzene	"			ND	"	0.200				
1,3-Dichlorobenzene	"			ND	"	0.200				
1,4-Dichlorobenzene	"			ND	"	0.200				
Dichlorodifluoromethane	"			ND	"	0.200				
1,1-Dichloroethane	"			ND	"	0.200				
1,2-Dichloroethane	"			ND	"	0.200				
1,1-Dichloroethene	"			ND	"	0.200				
cis-1,2-Dichloroethene	"			ND	"	0.200				
trans-1,2-Dichloroethene	"			ND	"	0.200				
1,2-Dichloropropane	"			ND	"	0.200				
1,3-Dichloropropane	"			ND	"	0.200				
2,2-Dichloropropane	"			ND	"	0.200				
1,1-Dichloropropene	"			ND	"	0.200				
cis-1,3-Dichloropropene	"			ND	"	0.200				

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	0670790-BLK1									
trans-1,3-Dichloropropene	6/26/97			ND	mg/kg dry	0.200				
Ethylbenzene	"			ND	"	0.200				
Hexachlorobutadiene	"			ND	"	0.200				
2-Hexanone	"			ND	"	2.00				
Isopropylbenzene	"			ND	"	0.200				
p-Isopropyltoluene	"			ND	"	0.200				
Methylene chloride	"			ND	"	1.00				
4-Methyl-2-pentanone	"			ND	"	2.00				
Naphthalene	"			ND	"	0.200				
n-Propylbenzene	"			ND	"	0.200				
Styrene	"			ND	"	0.200				
1,1,1,2-Tetrachloroethane	"			ND	"	0.200				
1,1,2,2-Tetrachloroethane	"			ND	"	0.200				
Tetrachloroethene	"			ND	"	0.200				
Toluene	"			ND	"	0.200				
1,2,3-Trichlorobenzene	"			ND	"	0.200				
1,2,4-Trichlorobenzene	"			ND	"	0.200				
1,1,1-Trichloroethane	"			ND	"	0.200				
1,1,2-Trichloroethane	"			ND	"	0.200				
Trichloroethene	"			ND	"	0.200				
Trichlorofluoromethane	"			ND	"	0.200				
1,2,3-Trichloropropane	"			ND	"	0.200				
1,2,4-Trimethylbenzene	"			ND	"	0.200				
1,3,5-Trimethylbenzene	"			ND	"	0.200				
Vinyl chloride	"			ND	"	0.200				
o-Xylene	"			ND	"	0.200				
m,p-Xylene	"			ND	"	0.200				
Surrogate: 2-Bromopropene	"	*2.00*		*1.78*	"	*70.0-130*	*89.0*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.76*	"	*70.0-130*	*88.0*			
Surrogate: Toluene-d8	"	*2.00*		*1.86*	"	*70.0-130*	*93.0*			
Surrogate: 4-BFB	"	*2.00*		*1.81*	"	*70.0-130*	*90.5*			
LCS	0670790-BS1									
Benzene	6/26/97	1.00		0.934	mg/kg dry	70.0-130	93.4			
Chlorobenzene	"	1.00		0.906	"	70.0-130	90.6			
1,1-Dichloroethene	"	1.00		0.865	"	70.0-130	86.5			
Toluene	"	1.00		0.932	"	70.0-130	93.2			
Trichloroethene	"	1.00		0.919	"	70.0-130	91.9			

North Creek Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

Howard Holmes, Project Manager

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Volatile Organic Compounds by EPA Method 8260A/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	0670790-BS1									
Surrogate: 2-Bromopropene	*6/26/97*	*2.00*		*2.00*	*mg/kg dry*	*70.0-130*	*100*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.99*	"	*70.0-130*	*99.5*			
Surrogate: Toluene-d8	"	*2.00*		*2.03*	"	*70.0-130*	*101*			
Surrogate: 4-BFB	"	*2.00*		*2.01*	"	*70.0-130*	*100*			
Matrix Spike	0670790-MS1		B706436-01							
Benzene	6/26/97	1.16	ND	0.966	mg/kg dry	70.0-130	83.3			
Chlorobenzene	"	1.16	ND	0.979	"	70.0-130	84.4			
1,1-Dichloroethene	"	1.16	ND	0.824	"	70.0-130	71.0			
Toluene	"	1.16	ND	0.985	"	70.0-130	84.9			
Trichloroethene	"	1.16	ND	0.954	"	70.0-130	82.2			
Surrogate: 2-Bromopropene	"	*2.33*		*1.89*	"	*70.0-130*	*81.1*			
Surrogate: 1,2-DCA-d4	"	*2.33*		*2.02*	"	*70.0-130*	*86.7*			
Surrogate: Toluene-d8	"	*2.33*		*2.10*	"	*70.0-130*	*90.1*			
Surrogate: 4-BFB	"	*2.33*		*2.12*	"	*70.0-130*	*91.0*			
Matrix Spike Dup	0670790-MSD1		B706436-01							
Benzene	6/26/97	1.16	ND	0.998	mg/kg dry	70.0-130	86.0	15.0	3.19	
Chlorobenzene	"	1.16	ND	0.999	"	70.0-130	86.1	15.0	1.99	
1,1-Dichloroethene	"	1.16	ND	0.868	"	70.0-130	74.8	15.0	5.21	
Toluene	"	1.16	ND	1.01	"	70.0-130	87.1	15.0	2.56	
Trichloroethene	"	1.16	ND	0.989	"	70.0-130	85.3	15.0	3.70	
Surrogate: 2-Bromopropene	"	*2.33*		*1.96*	"	*70.0-130*	*84.1*			
Surrogate: 1,2-DCA-d4	"	*2.33*		*2.04*	"	*70.0-130*	*87.6*			
Surrogate: Toluene-d8	"	*2.33*		*2.08*	"	*70.0-130*	*89.3*			
Surrogate: 4-BFB	"	*2.33*		*2.08*	"	*70.0-130*	*89.3*			

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/14/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	05840-040-5024-005	Received: 6/17/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/15/97 10:39

Notes and Definitions

#	Note
1	Reporting limits raised due to dilution necessary for analysis.
2	Analyses are not controlled on RPD values from sample concentrations less than 5 times the reporting limit.
3	Unable to calculate analyte recovery due to laboratory contamination.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Rec.	Recovery
RPD	Relative Percent Difference

P706243

DAMES & MOORE

1750 SW Harbor Way • Suite 400 • Portland, Oregon 97201 • (503) 228-7688 Fax: (503) 223-6083

Chain of Custody

Date 6/14/97 Page 1 of 2

Project Number: 05840-040-005
Project Name: Shaw-Fit
Project Manager: Pete Strand / S. Williams
Laboratory: NCA
Turn around time: Standard
Sampler's Initials: JED
Sampler's Signature: Jeanne Dorn

Analysis Request

Sample ID	Date	Time	Matrix	State:	TPH-HCID	TPH-G	TPH-D	TPH-418.1 Modified OR DEQ-Soil EPA 418.1 Mod	8015 Modified Diesel	PCBs 608/8080	Volatile Hydrocarbons 601/8010	BTEX 602/8020	Volatile Organics 624/8240	Volatile Organics 624/8260	Semivolatile Organics 625/8270	PAHs 8310	Total RCRA 8 Metals				Archive	Number of Containers
OH-1-5'	6-14-97	0845	S	OR	X3			X2						X1								1
OH-1-W	"	0920	W					X														2
OH-1-10'	"	0940	S					X														1
OH-1-11.5	"	0955	S					X														1
OH-1-13'	"	1010	S																		X	1
OH-2-5'	"	1145	S																		X	1
OH-2-7'	"	1200	S																		X	1
OH-2-10'	"	1215	S																		X	1
OH-2-15'	"	1400	S					X														1
OH-3-5'	"	1440	S					X						X								1
OH-3-10'	"	1450	S																		X	1
OH-3-15'	"	1500	S					X														1
OH-3-20'	"	1540	S																		X	1
OH-2-W	"	1615	W					X														2
OH-4-5'	"	1735	S																		X	1
OH-4-10'	"	1745	S	↓				X														1

Special Instructions/Comments:
FAX results to: Shawn Williams
Must include:
DrM Job# 05840-040-5024-005
DrM P.O.# PDX-V-0597-0096

Relinquished by:
(Sig) [signature]
(Printed) Shawn C. Williams
(Company) Dames & Moore
(Time) 4:50 (Date) 6/16/97
Shawn C. Williams

Received by (lab):
(Sig) [signature]
(Printed) Larry Spangler
(Company) NCA
(Time) 0916 (Date) 6-17-97
Clarke Mull

Sample Receipt

Total no. of containers:
Chain of custody seals:
Rec'd good condition/cold:
Conforms to record:
Lab number:

P.O. 203

DAMES & MOORE

1750 SW Harbor Way • Suite 400 • Portland, Oregon 97201 • (503) 228-7688 Fax: (503) 223-6083

Chain of Custody

Date 6/14/97 (6/15/97) Page 2 of 2

Project Number: 05840-040-005
Project Name: SMURFIT
Project Manager: Williams/Stroud
Laboratory: NCA
Turn around time: Standard

Sampler's Initials: JED
Sampler's Signature: Jeanne Dorn

Analysis Request

Sample ID	Date	Time	Matrix	State:	TPH-HCID	TPH-G	TPH-D	TPH-418.1 Modified DRO-Soil EPA 418.1 mod	8015 Modified Diesel	PCBs 608/8080	Volitile Hydrocarbons 601/8010	BTEX 602/8020	Volitile Organics 624/8240	Volitile Organics 624/8260	Semiyolitile Organics 625/8270	PAHs 8310	Total RCRA 8 Metals				Archive	Number of Containers
OH-4-15'	6-14-97	1750	S	OR				X														1
OH-4-20'	"	1820	S	↓																	X	1
OH-4-W	"	1830	W					X														2
OH-5-5'	6/15/97	0805	S					X														1
OH-5-10'	"	0845	S					X														1
OH-5-13'	"	0855	S																			1
OH-5-W	"	0930	W					X														2

Special Instructions/Comments:

FAX results to: Shawn Williams

D+M Job # 05840-040-5024-005
D+M P.O.# POX-N-0597-0096

Relinquished by:

(Sig) [signature]
(Printed) Shawn C. Williams
(Company) Dames & Moore
(Time) 4:50 (Date) 6/16/97

Received by (lab):

(Sig) [signature]
(Printed) Larry Spengler
(Company) NCA
(Time) 0916 (Date) 6-17-97

Sample Receipt

Total no. of containers:
Chain of custody seals:
Rec'd good condition/cold:
Conforms to record:

Lab number:

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/3/97 16:01

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-6	P706296-01	Water	6/17/97
MW-7	P706296-02	Water	6/17/97
MW-8	P706296-03	Water	6/17/97

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/3/97 16:01

Total Recoverable Petroleum Hydrocarbons per EPA Method 418.1
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-6			P706296-01				Water	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	66.1	mg/l	
MW-7			P706296-02				Water	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	ND	mg/l	
MW-8			P706296-03				Water	
Petroleum Oil Hydrocarbons	0670472	6/20/97	6/23/97	EPA 418.1	0.500	ND	mg/l	

Refer to end of report for text of notes and definitions.

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Howard Holmes, Project Manager

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Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/3/97 16:01

Polynuclear Aromatic Compounds per EPA Method 8310
North Creek Analytical - Portland

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-6			P706296-01				Water	
Acenaphthene	0670551	6/24/97	6/28/97		5.00	ND	ug/l	
Acenaphthylene	"	"	"		5.00	ND	"	
Anthracene	"	"	"		5.00	ND	"	
Benzo (a) anthracene	"	"	"		0.100	ND	"	
Benzo (a) pyrene	"	"	"		0.100	ND	"	
Benzo (b) fluoranthene	"	"	"		0.100	ND	"	
Benzo (ghi) perylene	"	"	"		0.100	ND	"	
Benzo (k) fluoranthene	"	"	"		0.100	ND	"	
Chrysene	"	"	"		0.100	ND	"	
Dibenzo (a,h) anthracene	"	"	"		0.100	ND	"	
Fluoranthene	"	"	"		0.100	ND	"	
Fluorene	"	"	"		0.500	ND	"	
[illegible]ene (1,2,3-cd) pyrene	"	"	"		0.100	ND	"	
[illegible]phthalene	"	"	"		5.00	ND	"	
Phenanthrene	"	"	"		5.00	ND	"	
Pyrene	"	"	"		0.100	ND	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	*30.0-100*		*35.2*	%	

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Dames and Moore	Project: Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number: 5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager: Peter Stroud	Reported: 7/3/97 16:01

Total Recoverable Petroleum Hydrocarbons per EPA Method 418.1/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670472	**Date Prepared: 6/20/97**					**Extraction Method: TPH Freon Extraction**				
Blank	0670472-BLK1									
Petroleum Oil Hydrocarbons	6/23/97			ND	mg/l	0.500				
LCS	0670472-BS1									
Petroleum Oil Hydrocarbons	6/23/97	5.00		5.55	mg/l	50.0-150	111			
LCS Dup	0670472-BSD1									
Petroleum Oil Hydrocarbons	6/23/97	5.00		5.86	mg/l	50.0-150	117	50.0	5.26	

Refer to end of report for text of notes and definitions.

.th Creek Analytical, Inc.

Howard Holmes, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite 8, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 481-9200 ▪ FAX 485-2992
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/3/97 16:01

Polynuclear Aromatic Compounds per EPA Method 8310/Quality Control
North Creek Analytical - Portland

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0670551	**Date Prepared: 6/24/97**					**Extraction Method: EPA 3520/600 Series**				
Blank	**0670551-BLK1**									
Acenaphthene	6/27/97			ND	ug/l	5.00				
Acenaphthylene	"			ND	"	5.00				
Anthracene	"			ND	"	5.00				
Benzo (a) anthracene	"			ND	"	0.100				
Benzo (a) pyrene	"			ND	"	0.100				
Benzo (b) fluoranthene	"			ND	"	0.100				
Benzo (ghi) perylene	"			ND	"	0.100				
Benzo (k) fluoranthene	"			ND	"	0.100				
Chrysene	"			ND	"	0.100				
Dibenzo (a,h) anthracene	"			ND	"	0.100				
Fluoranthene	"			ND	"	0.100				
[illegible]pyrene	"			ND	"	0.500				
[illegible]eno (1,2,3-cd) pyrene	"			ND	"	0.100				
Naphthalene	"			ND	"	5.00				
Phenanthrene	"			ND	"	5.00				
Pyrene	"			ND	"	0.100				
Surrogate: 2-Fluorobiphenyl	"	*50.0*		*28.4*	"	*30.0-100*	*56.8*			
LCS	**0670551-BS1**									
Acenaphthylene	6/27/97	20.0		17.2	ug/l	20.0-124	86.0			
Benzo (k) fluoranthene	"	1.00		0.987	"	20.0-159	98.7			
Pyrene	"	1.00		0.967	"	50.0-150	96.7			
Surrogate: 2-Fluorobiphenyl	"	*50.0*		*40.2*	"	*30.0-100*	*80.4*			
LCS Dup	**0670551-BSD1**									
Acenaphthylene	6/27/97	20.0		18.6	ug/l	20.0-124	93.0	50.0	7.82	
Benzo (k) fluoranthene	"	1.00		0.949	"	20.0-159	94.9	50.0	3.93	
Pyrene	"	1.00		0.936	"	50.0-150	93.6	50.0	3.26	
Surrogate: 2-Fluorobiphenyl	"	*50.0*		*44.7*	"	*30.0-100*	*89.4*			

NORTH CREEK ANALYTICAL
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SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 643-9200 ▪ FAX 644-2202

Dames and Moore	Project:	Smurfit/Newberg Mill	Sampled: 6/17/97
1750 S.W. Harbor Way, Ste. 400	Project Number:	5830-039-005	Received: 6/18/97
Portland, OR 97201	Project Manager:	Peter Stroud	Reported: 7/3/97 16:01

Notes and Definitions

#	Note

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

DAMES & MOORE

1750 SW Harbor Way • Suite 400 • Portland, Oregon 97201 • (503) 228-7688 Fax: (503) 223-6083

Chain of Custody

Date 6/17/97 Page 1 of 1

Project Number: 05840-040-005
Project Name: Smurfit Newberg mill
Project Manager: Shawn Williams
Laboratory: Northcreek
Turn around time: standard
Sampler's Initials: D.L.
Sampler's Signature: David Lamadrid

Analysis Request

Sample ID	Date	Time	Matrix	State	TPH-HCID	TPH-G	TPH-D	TPH-418.1 Modified	8015 Modified Diesel	PCBs 608/8080	Volitile Hydrocarbons 601/8010	BTEX 602/8020	Volitile Organics 624/8240	Volitile Organics 624/8260	Semivolitile Organics 625/8270	PAHs 8310	Total RCRA 8 Metals	EPA 418.1 TPH			Archive	Number of Containers
MW-6	6/17/97	1300	water	OR														X				5
MW-7	↓	1215	↓	OR														X				5
MW-8	↓	1230	↓	OR														X				5

Potential PAH and/or BTEX analysis pending TPH results

Special Instructions/Comments:

Relinquished by:
(Sig) David Lamadrid
(Printed) David Lamadrid
(Company) Dames & Moore
(Time) 0830 (Date) 6/18/97

Received by (lab):
(Sig) Donna a. Hanks
(Printed) Larry Spangler
(Company) N/A
(Time) 1120 (Date) 6-18-97

Donna a. Hanks

Rec'd by: M. Plumb N/A

Sample Receipt

Total no. of containers:
Chain of custody seals:
Rec'd good condition/cold:
Conforms to record:
Lab number:

CH2M HILL
825 NE Multnomah
Suite 1300
Portland, OR
97232-2146
Tel 503.235.5000
Fax 503.235.2445

CH2MHILL

May 13, 1999

Mr. Stan Miller
Senior Process Engineer
Newberg Mill
Smurfit Newsprint Corporation
P. O. Box 70
Newberg, OR 97132

Dear Stan:

This letter report summarizes the groundwater quality sampling results for March 1999 at the Newberg Mill site. Groundwater was sampled from six monitoring wells and one kerosene recovery well on March 18, 1999. Attached is a copy of the analytical results and the field sampling log forms for each well. Purge water was disposed of by pouring it into the Smurfit Newsprint Mills process drain.

Kerosene Spill Area

Monitoring wells MW1, MW3, MW4, and MW5 were sampled for kerosene using EPA method 3510C/NWTPH-Dx. There were no detectable levels of kerosene in MW1, MW3, and MW4. These three wells were purged using a peristaltic pump at low flow rates which yielded continuous flow and low turbidities.

There was a 2.07 mg/L detection of diesel oil rather than kerosene in MW5. The sample did not match the typical chromatogram for a diesel fingerprint, but did have components in the diesel range. MW5 is the kerosene recovery well and is repeatedly pumped dry approximately every 20 minutes. Smurfit shut off the recovery pump for approximately one week prior to sampling to allow groundwater levels to recovery to static conditions. To avoid contaminating the sample with the kerosene floating on top of the well and get a sample representative of groundwater the following steps were taken: 1) A ½-inch polyethylene tube was inserted into the well with the end closed off with Teflon tape to create a sampling point below the surface. 2) A ¼-inch polyethylene tubing was then inserted through the inside of the ½" tubing and through the Teflon tape seal so the sampling point was below the surface. 3) The well was purged using the same methodology as the other three wells. The sample was clear and colorless with no visible oil sheen.

A summary of water level elevations for the March 18 site visit (Table 1) and a water level elevation contour map for the kerosene spill area (figure 1) are included. Groundwater flow direction is toward the Willamette River.

Hydraulic Oil Spill Area

Monitoring wells MW6, MW7, and MW8 were sampled for hydraulic oil using EPA method 3510C/ NWTPH-Dx. There were no detectable levels of hydraulic oil in MW7 and MW8. There was a 0.35 mg/L detection of diesel fuel at MW7. The sample did not match the typical chromatogram for a diesel fingerprint, but did have components in the diesel range. These two wells were purged using a peristaltic pump at low flow rates which yielded continuous flow and low turbidities.

There was a 13.1 mg/L detection of hydraulic oil in MW6. MW6 is located in the source area of the hydraulic oil spill area. Smurfit removed the oil recovery filter from the well approximately one week prior to sampling so it would not interfere with groundwater elevation measurement. This well was pumped dry from the top of the water column to remove any free oil. No red colored oil was recovered from the top of the water column during purging. The purge water had a heavy sheen on top. The well was allowed to recover for six hours and forty minutes before sampling. MW6 was sampled using the same methodology as MW5. The sample was slightly cloudy and had a yellowish color. There was a visible oil sheen on top of the sample.

A water level elevation contour map for the hydraulic oil spill area (figure 2) is included. Groundwater flow direction is toward the Willamette River.

Please call us if you have any questions or need assistance with any other projects.

Sincerely,

CH2M HILL

Mike Abbott

Mike Abbott
Environmental Manager

Table 1
Groundwater Elevations
Smurfit Newsprint - Newberg, Oregon

Well Number	Time	Date	Top of Measuring Point Elevation (feet) a, b, c	Total PVC Length (feet)	Screened Interval Below Surface (feet) i		Depth to Water from below Measuring Point (feet)	Groundwater Level Elevation (feet) a, b
Kerosene Spill Area								
MW-1	10:23	3/18/99	168.29	20	20	5	3.58	164.71
MW-3	10:34	3/18/99	169.97	20	20	5	6.34	163.63
MW-4	10:29	3/18/99	170.07	20	20	4	6.81	163.26
MW-5	10:58	3/18/99	170.81	11.75	11	?	7.10	163.71
Hydraulic Oil Spill Area								
MW-6	9:57	3/18/99	167.96	12.7	12.7	7.7	7.52	160.44
MW-7	9:51	3/18/99	167.66	19	20	15	10.34	157.32
MW-8	9:54	3/18/99	167.72	24.3	20	15	8.32	159.40

Notes:

a: mean sea level

b: Smurfit engineering local datum, benchmark #3, elevation 174.00 feet msl

c: Top of PVC well casing

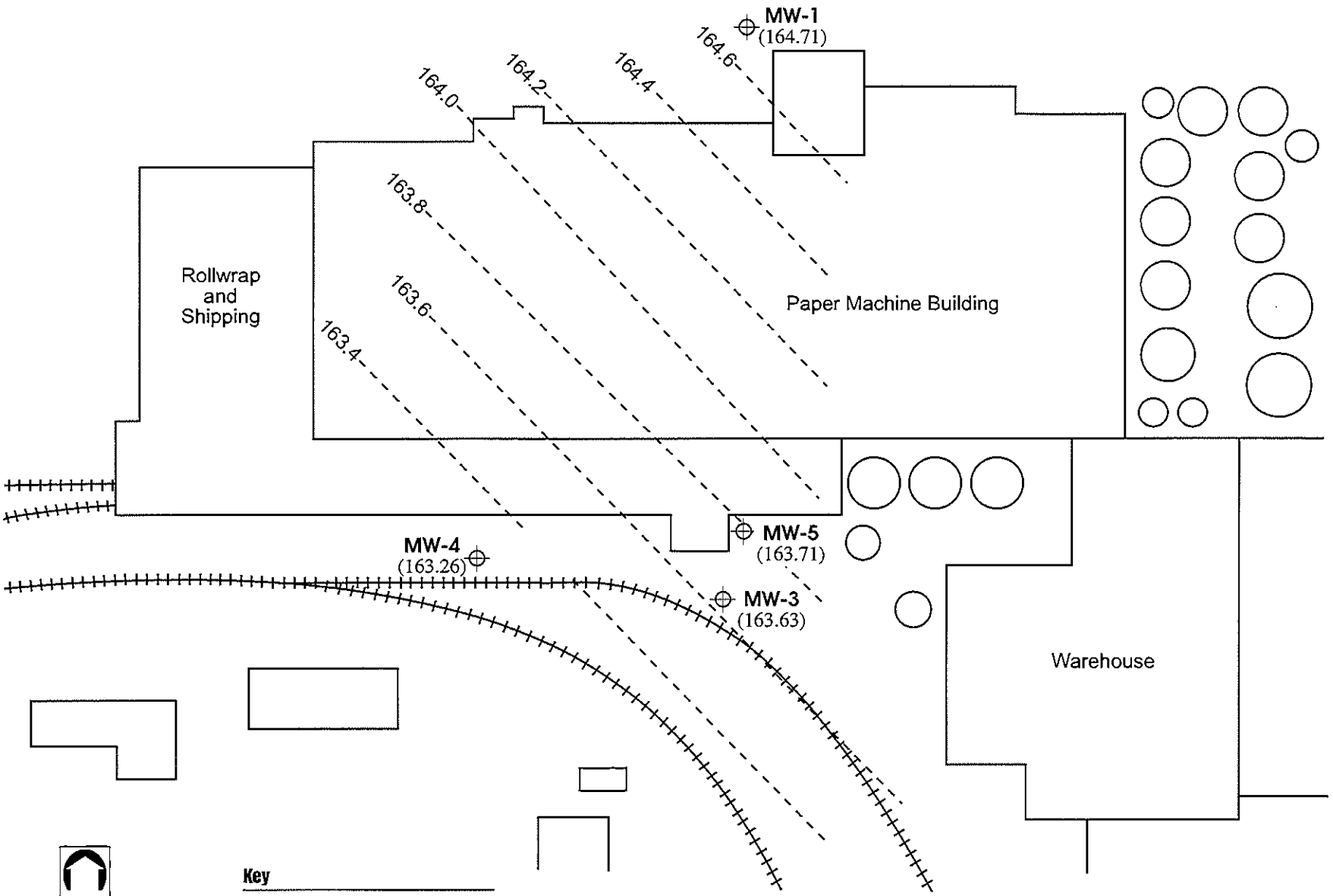


Figure 1
Groundwater Elevation Contour
Kerosene Spill Area, March 1999
Smurfit Newsprint Corporation
Newberg, OR

CH2MHILL

Columbia Analytical Services INC.
An Employee-Owned Company

April 1, 1999 Service Request No: K9901728

Stan Miller
Smurfit Newsprint
1301 Wynooski Street
P.O. Box 70
Newberg, OR 97132

Re: Smurfit Newsprint-Newberg OR/146761.99.ZZ

Dear Stan:

Enclosed are the results of the sample(s) submitted to our laboratory on March 19, 1999. For your reference, these analyses have been assigned our service request number K9901728.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions. My extension is 280.

Respectfully submitted,

Columbia Analytical Services, Inc.

Les Kennedy
Project Chemist

LK/td

cc: Mike Abbott (CH2MHill/Portland OR)

1317 South 13th Avenue • P.O. Box 479 • Kelso, Washington 98626 • Telephone 360/577-7222 • Fax 360/636-1068

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
J	Estimated concentration. The value is less than the method reporting limit, but greater than the method detection limit.
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NAN	Not Analyzed
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected at or above the MRL
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW6	Units:	ug/L (ppb)
Lab Code:	K9901728-001	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	D	

D — Detected at or above the method reporting limit. Follow-up analyses are required for quantitative results.

Approved By: _____ Date: 3/25/99

IS22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Semivolatile Petroleum Products
Northwest TPH-Dx

Sample Name:	MW6	Units:	ug/L (ppb)
Lab Code:	K9901728-001	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Mineral Spirits	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Kerosene	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Diesel	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Heavy Fuel Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Lube Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	13100	
PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Non-PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	

PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 3/31/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW7	Units:	ug/L (ppb)
Lab Code:	K9901728-002	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	D	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	

D — Detected at or above the method reporting limit. Follow-up analyses are required for quantitative results.

Approved By: _____ Date: 3/25/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Semivolatile Petroleum Products
Northwest TPH-Dx

Sample Name:	MW7	Units:	ug/L (ppb)
Lab Code:	K9901728-002	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Mineral Spirits	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Kerosene	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Diesel	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	350	N
Heavy Fuel Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Lube Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Non-PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	

N	Quantitated as diesel. The sample contained components that eluted in the diesel range, but the chromatogram did not match the typical diesel fingerprint.
PHC as Diesel Fuel:	Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
Non-PHC as Diesel:	Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 3/31/99

IS22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW8	Units:	ug/L (ppb)
Lab Code:	K9901728-003	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

Approved By: _____ Date: 3/25/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW1	Units:	ug/L (ppb)
Lab Code:	K9901728-004	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

Approved By: _____ Date: 3/25/99

IS22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW3	Units:	ug/L (ppb)
Lab Code:	K9901728-005	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

Approved By: _____ Date: 3/25/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW4	Units:	ug/L (ppb)
Lab Code:	K9901728-006	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

Approved By: _____ Date: 3/25/99

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MWDupe	Units:	ug/L (ppb)
Lab Code:	K9901728-007	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	D	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

D — Detected at or above the method reporting limit. Follow-up analyses are required for quantitative results.

Approved By: _____ Date: 3/25/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Semivolatile Petroleum Products
Northwest TPH-Dx

Sample Name:	MWDupe	Units:	ug/L (ppb)
Lab Code:	K9901728-007	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Mineral Spirits	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Kerosene	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Diesel	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	1980	N
Heavy Fuel Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
Lube Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
Non-PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	

N	Quantitated as diesel. The sample contained components that eluted in the diesel range, but the chromatogram did not match the typical diesel fingerprint.
PHC as Diesel Fuel:	Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
Non-PHC as Diesel:	Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 3/31/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	MW5	Units:	ug/L (ppb)
Lab Code:	K9901728-008	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	D	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/25/99	ND	

D — Detected at or above the method reporting limit. Follow-up analyses are required for quantitative results.

Approved By: _____ Date: 3/25/99

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99

Semivolatile Petroleum Products
Northwest TPH-Dx

Sample Name:	MW5	Units:	ug/L (ppb)
Lab Code:	K9901728-008	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Mineral Spirits	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Jet Fuel as Jet A	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Kerosene	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	ND	
Diesel	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/25/99	2070	N
Heavy Fuel Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
Lube Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	
Non-PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/25/99	ND	

N	Quantitated as diesel. The sample contained components that eluted in the diesel range, but the chromatogram did not match the typical diesel fingerprint.
PHC as Diesel Fuel:	Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
Non-PHC as Diesel:	Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 3/31/99

IS21/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Total Petroleum Hydrocarbon - Hydrocarbon Identification
Northwest TPH-HCID

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	K990323-WB	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as JP-4	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Mineral Spirits	METHOD	NWTPH-HCID	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Kerosene	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Diesel	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Heavy Fuel Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	
Lube Oil	METHOD	NWTPH-HCID	630	1	3/23/99	3/24/99	ND	

Approved By: _____ Date: 3/25/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semivolatile Petroleum Products
Northwest TPH-Dx

Sample Name:	Method Blank	Units:	ug/L (ppb)
Lab Code:	K990323-WB	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Mineral Spirits	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Jet Fuel as Jet A	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Kerosene	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Diesel	EPA 3510C	NWTPH-Dx	250	1	3/23/99	3/24/99	ND	
Heavy Fuel Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Lube Oil	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	
Non-PHC as Diesel	EPA 3510C	NWTPH-Dx	500	1	3/23/99	3/24/99	ND	

PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 3/31/99

1S22/020597p

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Smurfit Newsprint Corp
Project: Smurfit Newsprint-Newberg OR/146761.99.ZZ
Sample Matrix: Water

Service Request: K9901728
Date Collected: 3/18/99
Date Received: 3/19/99
Date Extracted: 3/23/99
Date Analyzed: 3/24-25/99

Surrogate Recovery Summary
Total Petroleum Hydrocarbon - Hydrocarbon Identification

Prep Method: METHOD
Analysis Method: NWTPH-HCID

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	Percent Recovery o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
MW6	K9901728-001		67	57	82
MW7	K9901728-002		83	61	85
MW8	K9901728-003		82	58	87
MW1	K9901728-004		78	56	81
MW3	K9901728-005		82	55	86
MW4	K9901728-006		80	56	86
MWDupe	K9901728-007		80	52	83
MW5	K9901728-008		85	63	88
Method Blank	K990323-WB		83	53	88
CAS Acceptance Limits:			50-150	50-150	50-150

Approved By: _____ Date: 3/25/99

SUR3/020597p
01728PHC.LL1 - SUR 3/25/99

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Smurfit Newsprint Corp	**Service Request:**	K9901728
Project:	Smurfit Newsprint-Newberg OR/146761.99.ZZ	**Date Collected:**	3/18/99
Sample Matrix:	Water	**Date Received:**	3/19/99
		Date Extracted:	3/23/99
		Date Analyzed:	3/24-25/99

Surrogate Recovery Summary
Northwest TPH-Dx

Prep Method:	EPA 3510C	Units:	PERCENT
Analysis Method:	NWTPH-Dx	Basis:	NA

Sample Name	Lab Code	Test Notes	Percent Recovery	
			o-Terphenyl	n-Triacontane
MW6	K9901728-001		67	82
MW7	K9901728-002		83	85
MWDupe	K9901728-007		80	83
MW5	K9901728-008		85	88
Method Blank	K990323-WB		83	88
CAS Acceptance Limits:			50-150	50-150

Approved By: _____ Date: 3/31/99

SUR2/061197p
01728PHC.LL3 - SUR 3/29/99

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: 3-18-99

Project #: Field Team: 10:23 Well I.D.: MW1

Total Depth: (ft) ~20	Time 13:41	(-) DTW: (ft) 3.57	= 16.43	Circle one (X) (0.17) 0.65 gal\ft	(=) Well Casing Volume: 2.8

Field Conditions: Overcast, 55°F, Calm

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

	Purge Method: Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing
X	Purge Method: Peristaltic pump with new / dedicated polyethylene tubing & C-flex head tubing

Pump Suction Depth(ft): Top 1ft of WC Purge water disposal: To J.S.C. procees drain.

Type of Flow Through Cell: [ ] 1-gallon poly jug [ ] 10 oz cup [X] Grab Sample

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks (10% Next time)
13:44	Pump On						.3	Initial 3.57	20%, SC, lots of susp. solids
13:45		115	13.7	6.62		—	.3	—	" " " , Sucking Air
13:51	2.5	112	13.9	6.55		—	.3	9.90	" , AC, few S.S - sucking Air
13:59	5	103	14.6	6.51		—	0.83	~~12.4~~	" " few S.S.
14:02	6	—	—	—		—	.3	12.4	10%, Sucking Air
14:08	7	107	15.0	6.57		13	—	14.0	10% VSC, Colorless
14:20	~9	111	15.2	6.61		10	.17	—	5%, " S.S "
14:25		114	15.3	6.68		10		13.50	" " S.S "
14:27	Start Sampling								
14:29	End Sampling								
14:30		115	15.3	6.69		9		13.45	" " "

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 14 : 27 Well ID: MW 1

	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW 1						(1)	500ml	Glass	HCL	3/19	NW Acid-X
											Kerosene

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: 3-18-99

Project #: 141761.99.ZZ Field Team: MDA Well I.D.: MW 3

Total Depth: ~20 (ft)	Time 10:34 / 14:48	(-) DTW: 6.34 / (ft) 6.30	= 13.7	Circle one (X) 0.17 0.65 gal/ft	(=) Well Casing Volume: 2.3

Field Conditions: 55°F, lt. Breeze, Overcast

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing				
X	Purge Method:	Peristaltic pump with new / (dedicated) polyethylene tubing & C-flex head tubing				
Pump Suction Depth(ft): ~upper 1ft of WC	Purge water disposal: To J.S.C. procees drain.					
Type of Flow Through Cell:		1-gallon poly jug		10 oz cup	X	Grab Sample
Comments/Exceptions to SAP:						

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
14:52	Pump On							Initial 6.30	20%, Clear, Colorless
14:57		716	13.8	6.53		—		—	" " "
15:00	2.8	695	14.6	6.57		—	.35	—	" " "
15:08	5.0	617	15.1	6.65		—	.28	8.48	" " "
15:15	7.2	603	15.2	6.67		0.3		8.53	" " "
:									
:									
:									
15:17	Start Sampling								
15:18	End Sampling								
15:19		600	15.3	6.70		0.3		—	" " "

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 15 : 17 Well ID: MW3

	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW3						(1)	500 ml	G	HCL	3/17	NW TPH-D-X
											Kerosene

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: ~~3~~ 3-18-99

Project #: 10:29 Field Team: Well I.D.: MW4

Total Depth: (ft) ~20	~~1000~~ 1300 (-) DTW: (ft) 6.81	= 13.19	Circle one (X) 0.17 0.65 gal/ft	(=) Well Casing Volume: 2.2

Field Conditions: Overcast

Decontamination: Alconox + tap wash: Tap rinse; DI rinse

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing				
X	Purge Method :	Peristaltic pump with new / dedicated polyethylene tubing & C-flex head tubing				
Pump Suction Depth(ft):		Purge water disposal: To J.S.C. procees drain.				
Type of Flow Through Cell:		1-gallon poly jug		10 oz cup	X	Grab Sample
Comments/Exceptions to SAP:						

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
13:03	Pump On							Initial 6.81	20% , Clear, Colorless
13:04		288	14.7	6.79		—		—	" " "
13:12	2.5	267	16.9	7.04		—	0.28	7.50	" " " sucked air
13:20	5.0	269	16.2	7.14		—	0.3	—	" " "
13:25	6.5	257	16.3	7.22		0.3	.3		" " "
:									
:									
:									
13:28	Start Sampling								
13:29	End Sampling								
13:30		255	16.3	7.22		0.3			" " "

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 13 : 28 Well ID: MW4

	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW4						(1)	500 ml	G	HCL	3/19	DWTPH-Dx
											Kerosene

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

Dupe

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Measured TD = 11.75 ft

Date: 3-18-99

Project #: 146761.99.22 Field Team: mda Well I.D.: MW 5

Total Depth: (ft)	Time	(-) DTW: (ft)	=	Circle one (X) 0.17 0.65 gal/ft	(=) Well Casing Volume:
11.75	1530	7.10 7.14	4.61		.78

Field Conditions: 55°F, Overcast, light Breeze

Decontamination: Alconox + tap wash; Tap rinse; DI rinse

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing				
X	Purge Method :	Peristaltic pump with (new) / dedicated polyethylene tubing & C-flex head tubing				
Pump Suction Depth(ft): ~ 9'		Purge water disposal: To J.S.C. procees drain.				
Type of Flow Through Cell:		1-gallon poly jug		10 oz cup	X	Grab Sample

Comments/Exceptions to SAP: Used Tube within a tube method w/ Teflon Cover over Outer tube & then Broke Seal w/ inner tube below surface to Avoid any Floating Product. Note: None Visible on WL1 Probe.

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
15:48	Pump On							Initial 7.14	10%, Cloudy, Orange
15:49		945	14.2	6.93		—		—	"Almost" NO Sheen
15:55	1	994	14.5	6.87		—		7.75	10%, NO Sheen VSC, Colorless
16:02	2	977	14.5	6.87		—		7.87	10%, NO Sheen AC, Colorless
16:09	3	973	14.5	6.90		5		7.96	10%, NO Sheen Clear, Colorless
:									
:									
:									
16:12	Start Sampling								
16:15	End Sampling								
16:16		974	14.5	6.92		4.5		—	" " "

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

NOISEY - Ear protection reqd.

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 16:12 Well ID: MW5

	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW5						1	500 ml	G	HCL	3/19	NW HCID-Y

Duplicate ID: MW Dupe Time: 1530

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: 3-18-99

Project #: 147761.99.22 Field Team: mba Well I.D.: MW 6

Total Depth: (ft)	Time	(-) DTW: (ft)	=	Circle one (X) (0.17) 0.65 gal\ft	(=) Well Casing Volume:
12.7 BMP	0957	7.52	5.18		0.88

Field Conditions:

Decontamination: Alconox + tap wash; Tap rinse; DI rinse.

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing				
X	Purge Method :	Peristaltic pump with (new ?) dedicated polyethylene tubing & C-flex head tubing				
Pump Suction Depth(ft):		Purge water disposal: To J.S.C. procees drain.				
Type of Flow Through Cell:		1-gallon poly jug		10 oz cup	X	Grab Sample

Comments/Exceptions to SAP: Used Tube within a tube to Sample MW-6 - See Comments MW5

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
10.10	Pump On	Purged Well Dry						Initial 7.52	~~No Sheen~~ ~~Very Turbid~~ Reddish color
:	Purged ~1 gal to Dry								Sheen mba
:									
:									
:									
:									
:									
16.35	DTW = 7.52				Unsure if this is correct wl mba			7.52	
16.50	Start Sampling								
:	~~End Sampling~~								
16.52		815	13.8			40		9.44	Sheen, SC

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 16 : 50 Well ID: MW 6

Sample I.D.	Circle # of containers: Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	preservative	Shipping Date	Analytical Method
MW 6						(1)	500 ml	Glass	HCL	3/19	NW HCID-X
											Hydraulic Oil

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: 3-18-99

Project #: 146761.99.22 Field Team: MDA Well I.D.: ~~MW7~~ MW7

Total Depth: (ft)	Time	(-) DTW: (ft)	=	Circle one (X) 0.17 0.65 gal/ft	(=) Well Casing Volume:
~20	0951	10.34	9.66		1.6

Field Conditions: Overcast, 55°F

Decontamination: Alconox + tap wash: Tap rinse: DI rinse

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with ~~new~~ / dedicated 1/4" polyethylene tubing
X	Purge Method :	Peristaltic pump with new / (dedicated) polyethylene tubing & C-flex head tubing

Pump Suction Depth(ft): Top 11ft of W.C Purge water disposal: To J.S.C. procees drain.

Type of Flow Through Cell: [ ] 1-gallon poly jug [ ] 10 oz cup [X] Grab Sample

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
11:11	Pump On	375 Calibrating Instrumnts	16.3	—				Initial 10.34	20%, SC, Unit of orange
11:16	1.6	385	16.6	7.09		—	0.3	14.00	" , Clear, Colorless
11:24	3.2	401	17.0	7.13		—	0.2	14.27	" " "
11:36	5.6	408	~~12.1~~ 16.9	7.04		0.6	0.2	14.26	" " "
:									
:									
:									
:									
11:40	Start Sampling								
11:41	End Sampling								
11:42		409	16.9	7.07		0.6		14.27	" " "

* VC=Very cloudy Cl=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

4.00, 7.04, 10.15

99.9

Laboratory Analytical Program

DATE: 3/18/99 Sample Time: 11:40 Well ID: MW7

	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW7						(1)	500 ml	Glass	HCL	3/19	DW HCl BX
											Hydraulic Oil

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:

CH2M HILL WELL SAMPLING FIELD LOG
Jefferson Smurfit - Newberg, Oregon

Date: 3-18-99

Project #: 146761.99.ZZ Field Team: MDG Well I.D.: MW 8

Total Depth: (ft)	Time	(-) DTW: (ft)		Circle one (X) 0.17 0.65 gal/ft	(=) Well Casing Volume:
~20	0954	8.32	11.68		2

Field Conditions:

Decontamination: Alconox + tap wash: Tap rinse: DI rinse

PURGE INFORMATION

	Purge Method:	Transient 2" Grundfos pump with new / dedicated 1/4" polyethylene tubing
X	Purge Method :	Peristaltic pump with new / dedicated polyethylene tubing & C-flex head tubing

Pump Suction Depth(ft): Top 1/3 of water column Purge water disposal: To J.S.C. procees drain.

Type of Flow Through Cell:		1-gallon poly jug		10 oz cup	X	Grab Sample

Comments/Exceptions to SAP:

Time	Purge Volume (gallons)	Specific Conductuctance (uS/cm)	Temp. (oC)	Ph		Turbidity (NTU's)	Purge Rate (gpm)	DTW (ft)	Pump Speed/*Clarity/ Color/Remarks
11:48	Pump On							Initial 8.32	20% Clear, Colorless
11:49		207	16.9	6.23		—	0.2	—	" " "
11:59	2.3	195	16.8	6.69 6.15		—	0.2	10.25	" " " Sucked Air
12:07	5.0	207	17.1	6.62		—	.33	11.43	" " "
12:12	8.3	203	17.2	6.55			0.2	11.62	" " "
:									
:									
:									
12:15	Start Sampling								
12:16	End Sampling								
12:17		207	17.2	6.59				—	— " "

* VC=Very cloudy CI=Cloudy SC=Slightly Cloudy VSC=Very Slightly Cloudy AC=Almost Clear C=Clear CC=Crystal Clear

Laboratory Analytical Program

DATE: 3-18-99 Sample Time: 12:15 Well ID: MW8

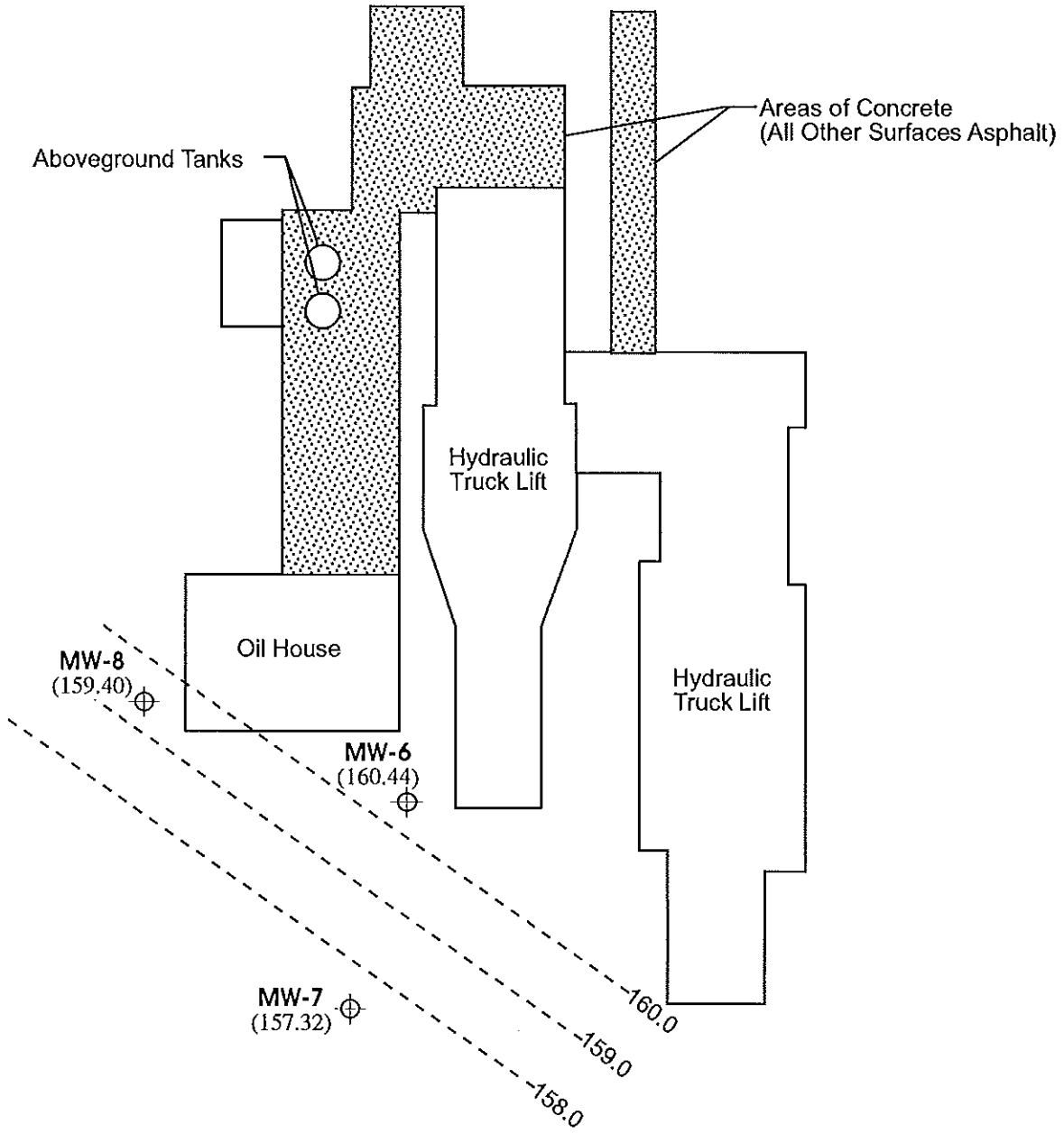
	Circle # of containers										
Sample I.D.	Equipment	Blank	MS	MSD	Duplicate	Parent sample	Volume	Type	Preservative	Shipping Date	Analytical Method
MW 8						(1)	500ml	G	HCL	3/19	NWTH10-X
											Hydraulic oil

Duplicate ID: Time:

Equipment Blank ID: Time:

Trip Blank ID:

Comments:



Key

MW-8 (159.40) ⊕ Monitoring Well

Groundwater Elevation Contour (MSL)

0 10 20 FEET

Approximate Scale

Figure 2
Groundwater Elevation Contour
Hydraulic Oil Spill Area, March 1999
Smurfit Newsprint Corporation
Newberg, OR

Fuel Line Soil Geoprobe Investigation Summary Report

PREPARED FOR: Stan Miller/SP Newsprint

COPIES: Heidi Blischke/CH2M HILL

PREPARED BY: David Mustonen P.E./CH2M HILL
Pat Heins/CH2M HILL

DATE: May 23, 2001

SP Newsprint owns and operates a paper mill located at 1301 Wynooski road in Newberg Oregon. During routine pressure testing of a subsurface diesel fuel line, a leak was identified by mill maintenance crews. The subsurface pipeline is 75 feet long and was used to transfer red dyed No. 2 diesel fuel from a bulk storage tank to a railroad locomotive fueling station. CH2M HILL was tasked to conduct a preliminary investigation to assess the extent of potential contamination of subsurface soil. The findings from the field investigation are summarized in this memorandum.

Geoprobe Investigation Objectives

The subsurface investigation was conducted with the intent of meeting the following objectives:

- Assess the spatial distribution of fuel-impacted soil relative to the subsurface pipeline alignment.
- Assess the magnitude of fuel present in the subsurface by analytical evaluation of soil samples.
- Visually determine the extent of free fuel.

Summary of Geoprobe Investigation Activities and Methods

The geoprobe field investigation was conducted on March 26th, 2001. A total of 7 geoprobes were driven to depths ranging from 4 feet to 12 feet using direct-push drilling methods. Geotech explorations, Inc. conducted the drilling, and a CH2M HILL engineer observed all geoprobe operations and logged the soils retrieved from the geoprobe sampler.

The geoprobe drilling operations consisted of advancing a 2-inch-diameter steel drive point using hydraulic direct-push methods. Soil samples were retrieved within a 2-inch-diameter plastic sheath, which is 4 feet long. The plastic sheath was cut longitudinally along the entire length of the sampler with a utility knife to allow inspection and collection of soil samples. A total of nine soil samples were collected for laboratory analysis of hydrocarbon identification in the diesel range, using NW-HCID methodology.

Sample Locations

The extent of diesel fuel in the subsurface along the pipeline was assessed using an observational approach through collection of continuous soil cores from Geoprobe borings advanced in the vicinity of the former fuel line. A map illustrating the location of the Geoprobe locations is presented in Figure 1. Soil cores were collected to a depth where soils appeared clean or a low permeability confining layer was encountered. The Geoprobe was not advanced through the confining layer due to concerns of dragging down fuel contamination.

Soil Sampling Procedures

Continuous soil samples were collected from each Geoprobe boring for the follwing:

- Visual inspection for the presence of fuel
- Interpretation of soil type
- Field screening of soil samples with a photo ionization detector (PID)
- Collection of soil samples for laboratory analysis of TPH-Diesel from select borings and select depth intervals based on PID measurements. Analytical samples provided to Colombia Analytical Services (Kelso WA) for laboratory analysis of diesel range total petroleum hydrocarbons (TPH-diesel).

All analytical soil samples were collected in 125-ml, wide-mouth sampling jars with no headspace. Recovered soil was field screened with a PID and logged for soil description. Field soil screening methods included visual observations for fuel stained soil and headspace measurements with the PID.

PID Headspace Measurements

The PID was calibrated at the beginning of the sampling day according to the manufacturer's instructions. After calibration, a background level was measured. A headspace measurement was taken by immediately placing a fixed volume of soil from the sampling device into a plastic bag, sealing the bag and allowing volatilization of any compounds into the air space of the bag (a minimum of 10 minutes inside the warmed vehicle), followed by a reading of the headspace in the bag with a PID.

Sample Handling

All soil samples were place in iced coolers immediately after collection. At the conclusion of the sampling, the cooler was properly packed to prevent breakage. The Chain of Custody was filled out and placed inside the cooler. The cooler was sealed with a chain of custody seal and shipped to Columbia Analytical Services for analysis.

Geoprobe Investigation Results

Results from the Geoprobe soil investigation indicate that a limited area of soil is impacted with fuel which may have originated from the former subsurface fuel line. It appears that the low permeability soil underlying the facility has limited migration of the fuel to the area in the vicinity of the fueling station. Table 1 presents a summary of the subsurface media encountered at each of the geoprobe locations, the observed PID reading, and identifies soil samples that were collected for laboratory analysis. A map illustrating the location of the

geoprobe locations was presented in Figure 1. A cross section of the soil profile in the area where diesel was encountered is provided in Figure 2.

TABLE 1
Summary of Field Observations
SP Newsprint Geoprobe Investigation Summary Report

Geoprobe Location	Sample Depth Interval (feet)	Soil Description	Headspace PID reading	Laboratory samples
GP-1	0-4	Brown silt w/large gravel	0	
	4-8	Brown silt w/ mixed gravel	110	
	8-10	Silt w/well graded sand	130	
	10-12	Moist blue gray clay	50	
GP-1B	0-2	Large gravel	0	
	2-4	Brown silt w/gravel	30	GP1-2-4
	4-6	Brown silt/ mixed gravel	65	GP1-4-6
	6-8	Gray/brown silt	73	GP1-6-8
	8-10	Graded sand silt	75	GP1-8-10
	10-12	Moist blue gray clay	50	GP1-10-12
GP-2	0-2	Light brown silty w/gravel fill	0	
	2-4	Moist black silt w/wood pieces	0	
	4-6	Moist gray/green/brown silt	0	GP2-4-8
	6-8	Light brown silty clay	0	GP2-4-8
GP-3	0-2	Gravel fill dark brown/black	0	
	2-4	Large gravel	0	
		refusal		
GP-4	0-2	Dark brown/black large gravel fill	0	
	2-4	Brown/black silt w/gravel	0	
	4-6	Brown silty sand to gray silt	0	GP4-4-8
	6-8	Gray/brown clay silt	0	GP4-4-8
	8-12	Brown silty clay	0	
GP-5	0-2	Light brown gravelly loam	0	
	2-4	Moist brown silt to gray silt	0	
	4-6	Moist gray silt	50	GP5-4-8
	6-8	Moist gray silt	100	GP5-4-8
	8-10	Moist gray silty clay	0	
GP-6	0-2	Light brown gravel	0	
	2-4	Black silt to gray clay silt	0	
	4-6	Black spots in gray clay silt	0	GP6-4-8
	6-8	Gray/brown clay silt to sandy silt	0	GP6-4-8
	8-10	Moist gray silt	0	
	10-12	Moist gray silty clay	0	

Summary of Analytical Results and Field Observations

A summary of the field investigation findings and laboratory analytical results are presented in this section. The field investigation analytical results are provided in Attachment I, and the Geoprobe Geologic logs are provided in Attachment II.

Lithology

The area in the vicinity of the fuel line is primarily covered with asphalt. The only area not paved with asphalt consists of two semi active railroad spurs. Also located in the vicinity of the investigation area is a fueling station and a concrete foundation for an industrial pipe bridge.

The area is primarily underlain with fine grained silts that grade to clay at a depth of approximately 8 feet, typical of the Willamette Silt Formation. Some well graded sand was encountered at Geoprobe GP-1, at a depth of approximately 8 feet below grade, this sand could be a portion of the fuel line pipe bedding. At each boring location, brown silt mixed with large gravel fill was typically encountered in the upper 2 to 4 feet bgs. Black to gray silts extended from the fill downward to a depth of 8 to 9 feet bgs. A low permeability gray clay was encounter at a depth of 8 to 11 feet bgs consistently at each boring. This low permeability clay layer is appears to be functioning as an underlying confining layer.

Soil Analytical Results

The analytical laboratory results of soil samples collected are summarized in Table 2. Soil samples were submitted to Columbia Analytical Services for analysis of total petroleum hydrocarbons in the diesel range using USEPA method NWTPH-D_x. The Oregon UST Soil Cleanup level 3 cleanup level is presented for comparison in Table 2, the rationale for using the level 3 cleanup is established in the following section. The spatial distribution of TPH encountered during the soil investigation is presented in Figure 3, the inferred area of soil containing TPH at a concentration greater than the level 3 soil cleanup level of 1000 ppm, is also depicted in Figure 3.

TABLE 2
Geoprobe Soil Samples Analytical Results
SP Newsprint March 2001

Sample Location	Sample depth	Results mg/Kg Diesel range	Soil Diesel Reference Levels* mg/Kg
GP-1	2-4	11,000	1,000
	4-6	7,300	
	6-8	6,700	
	8-10	16,000	
	10-12	2,700	
GP-2	4-8	100	
GP-4	4-8	100	

TABLE 2
Geoprobe Soil Samples Analytical Results
SP Newsprint March 2001

Sample Location	Sample depth	Results mg/Kg Diesel range	Soil Diesel Reference Levels* mg/Kg
GP-5	4-8	5200	
GP-6	4-8	57	

* The Oregon Soil Matrix Cleanup level concentrations for Diesel based on Numeric Soil Cleanup Standards Level 3. OAR 340-122-0330.

Evaluation of Conditions

The area conditions were evaluated in accordance with the DEQ Soil Cleanup Procedures (OAR 340-122-0330) in order to determine the specific matrix cleanup level. The Soil Cleanup Procedures specify that the following parameters must be evaluated:

- Depth to groundwater
- Mean annual precipitation
- Native soil type
- Sensitivity to the uppermost aquifer
- Potential receptors

A score for each of the parameters is determined based on DEQ guidelines, and then the five parameter scores are totaled. The rationale for the scoring of each parameter is summarized below:

Depth to Groundwater. The maximum depth of this investigation was 12 feet bgs with no groundwater encountered. Without actually attaining the depth of groundwater, the most conservative score was selected. This resulted in a parameter score of 10.

Mean Annual Precipitation. The normal annual precipitation for Portland, Oregon, has been reported to be 36.3 inches per year by the Oregon Climatic Services. This resulted in a parameter score of 4.

Soil Type. The Geoprobe investigation characterized soil conditions directly around the leaking fuel line through a depth of 12 feet bgs. Results from this investigation indicate that the soils beneath the spill area consist predominately of low-permeability silts and clays typical of the Willamette Silt Formation. This resulted in a parameter score of 1.

Sensitivity to the Uppermost Aquifer. The water-bearing zone was not detected in this investigation. The strata effected by this release is an area of very low conductivity, thus, it was determined to be a unusable aquifer due to extremely low yield. This resulted in a parameter score of 1.

Potential Receptors. The parameter has two components:

- Distance to the nearest well
- Number of people at risk

The water well records search indicated that domestic wells have been constructed within a half-mile of the spill area. However, most of these wells are on the east side of Hess Creek, which appears to be a groundwater divide for shallow groundwater. In addition, domestic wells are likely to extract groundwater from a zone of higher yield than the low-permeability zone effected by this release. Considering the low yield of this zone, it is unlikely that more than 100 people are using groundwater that could potentially be impacted by the release. This resulted in a potential receptor parameter score of 5.

A summary of the parameter scoring is provided in Table 3. The total parameter score for the area was evaluated to be 21, which results in a Soil Cleanup Level 3 matrix. The Level 3 soil cleanup concentrations for diesel and gasoline range TPH are provided below:

- TPH Gasoline – 130 ppm
- TPH Diesel – 1000 ppm

TABLE 3
Soil Matrix Scoring Evaluation
SP Newsprint, Former Diesel Spill Area

	Criteria	Conditions	Score
1	Depth to Groundwater	< 25 feet	10
2	Annual Precipitation	36.3 inches*	4
3	Soil Type	Silts/Clays	1
4	Aquifer Sensitivity	Very Low Yield	1
5	Nearest Well	<1/2 mile	
6	# of People at Risk	<100	5
	Total Score		**21**
	Level 3 Area		

* City of Portland Normal Annual Precipitation, Oregon Climatic Service

Conclusions

The findings from the Geoprobe soil investigation indicate that a limited area of soil in the vicinity of the fuel station is impacted with diesel fuel at levels which exceed the Level 3 USI Reference Cleanup level. The area with the highest TPH concentrations are in the vicintiy of Geoprobe boring GP-1. The impacted soil profile appears to be underlain with a low permeability clay that is likely limiting the vertical migration of the fuel constituents downward. The impacted soils are predominately low permeability silts, which are limiting spatial migration of fuel constituents. This investigation did not encounter groundwater, therefore groundwater quality was not evaluated. A subsequent investigation will be needed to confirm that the diesel fuel impacted soil does not extend to the shallow most groundwater, and present a threat to impacting groundwater quality.

Recommendations

There are multiple pathways of progressing the site towards closure. A flow chart illustrating the three most likely pathways is presented in Figure 4. Considering the elevated levels of TPH encountered at GP-1, it is likely that DEQ will require characterization of groundwater quality, and constituent specific characterization of the soil, prior to site closure. A risk based approach using the Risk Based Corrective Action (RBCA) is the preferred approach considering the difficulty of remediating the soil due to the presence of the pipe bridge column structural foundation and railroads in the vicinity of the soil contamination.

CH2M HILL is recommending that an additional investigation be conducted, that is intended to accomplish the following:

- Conduct soil sampling in vicinity of geoprobe boring GP-1, using telescopic methods, to further evaluate the vertical extent of TPH and evaluate whether TPH concentrations decline to acceptable levels prior to encountering shallow most groundwater.
- Determine the depth of the shallow most groundwater and evaluate whether groundwater quality beneath the area has been impacted by the diesel impacted soil. Groundwate will be sampled for BTEX, and Polycylic Aromatic Hydrocarbons (PAHs).
- Collect additional soil samples from area that contained elevated TPH, which will be analyzed for PAHs. This data will be used for assessing the potential risk of the site by using the Risk Based Approach for Petroleum Contaminated Sites.

Attachment I

Laboratory Analytical Report

Attachment II

Geologic Boring Logs

5/11/01

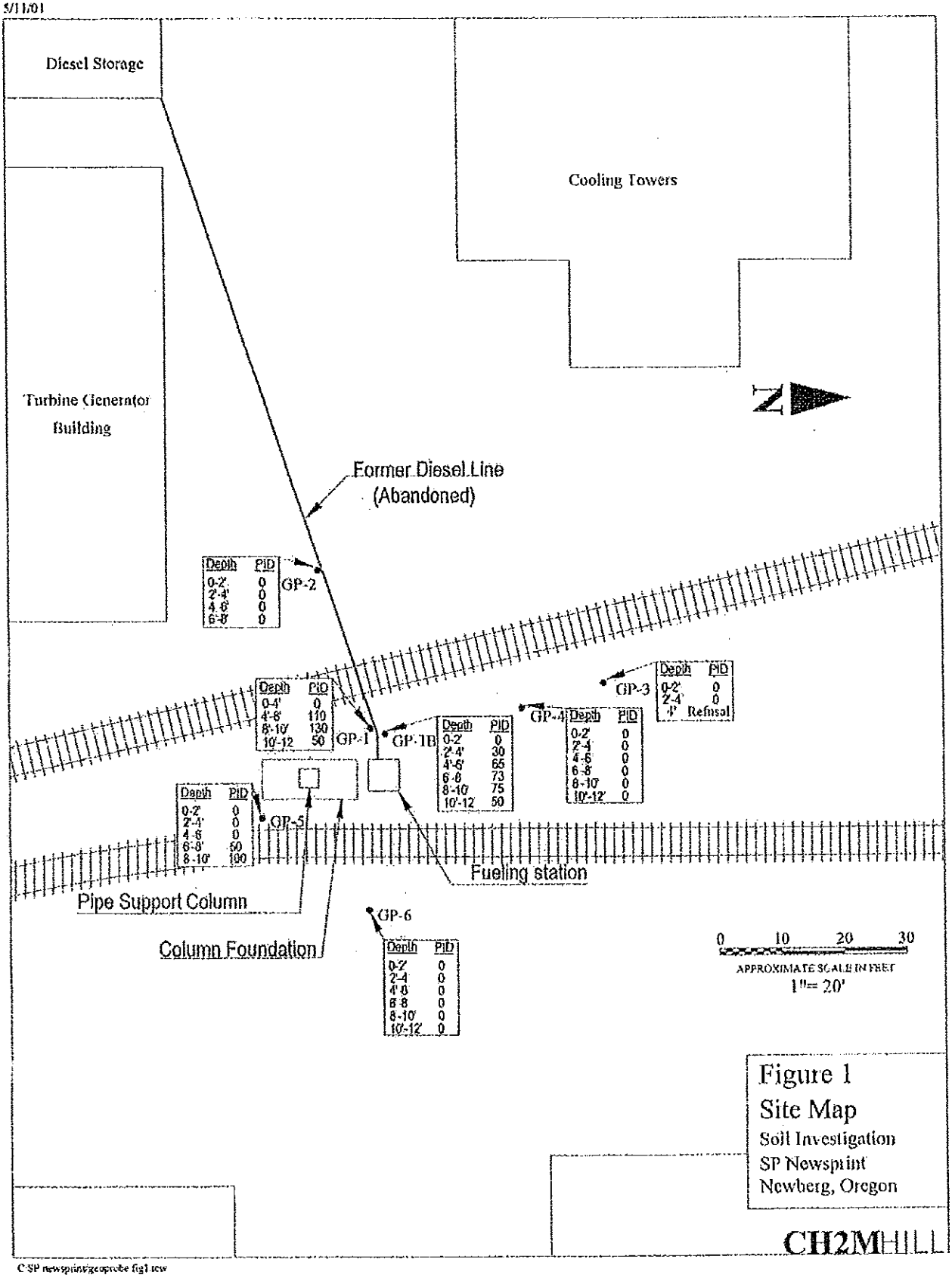


Figure 1
Site Map
Soil Investigation
SP Newsprint
Newberg, Oregon

CH2MHILL

C:\SP newsprint\geoprobe fig1.tcw

5/11/01

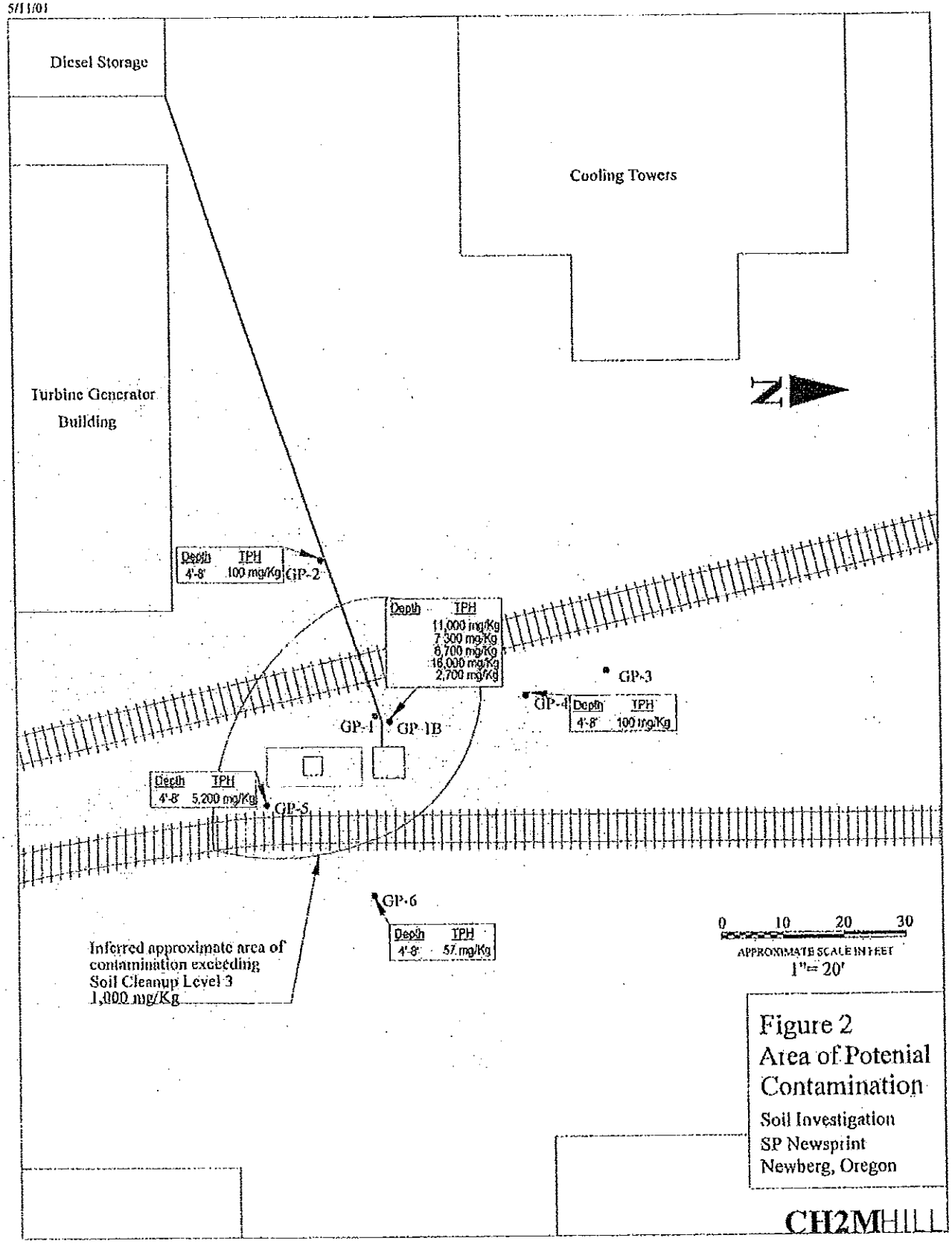


Figure 2
Area of Potenial Contamination
Soil Investigation
SP Newsprint
Newberg, Oregon

CH2MHILL

C:\SP newsprint\groprobe fig2.tsw

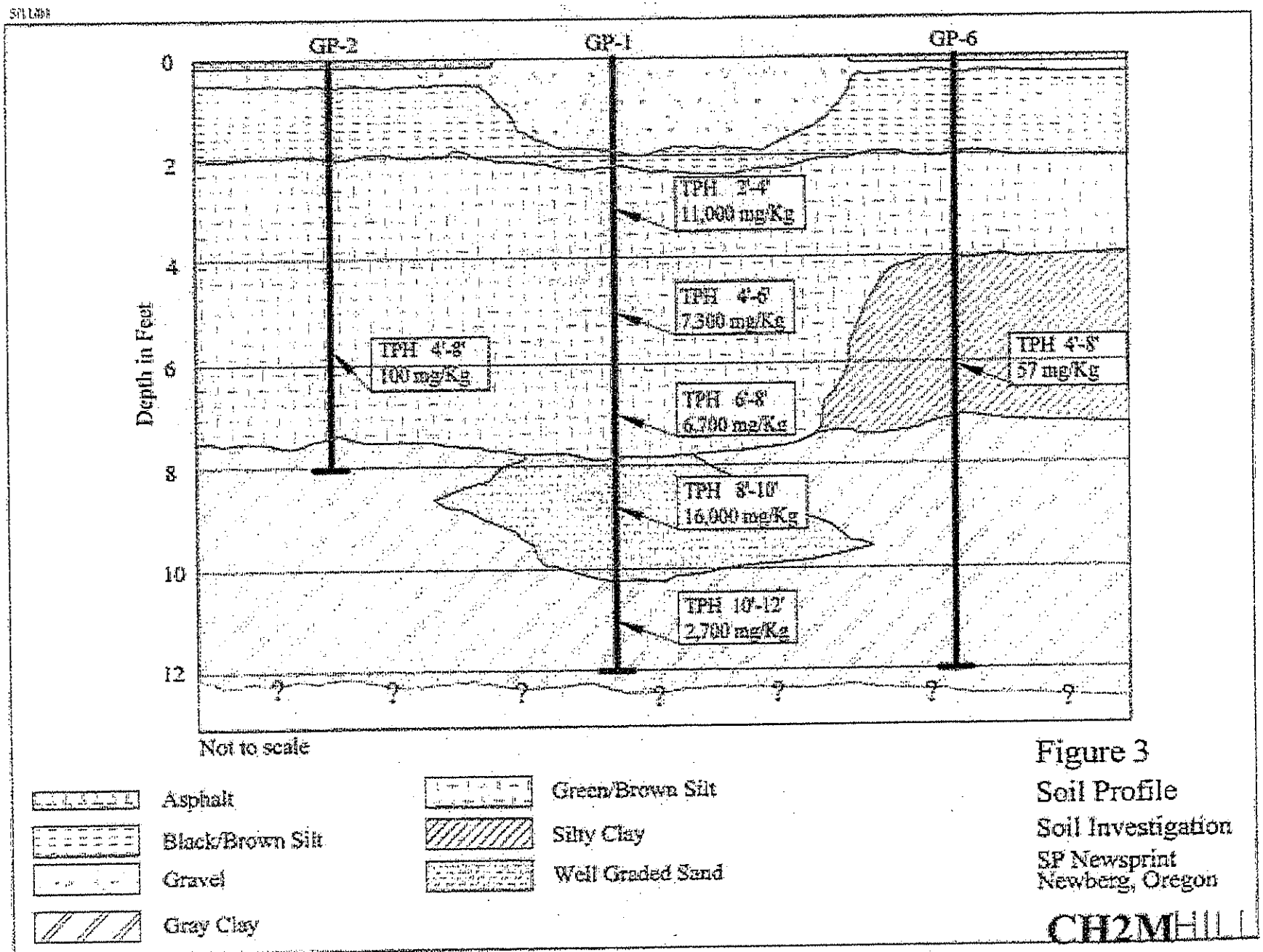
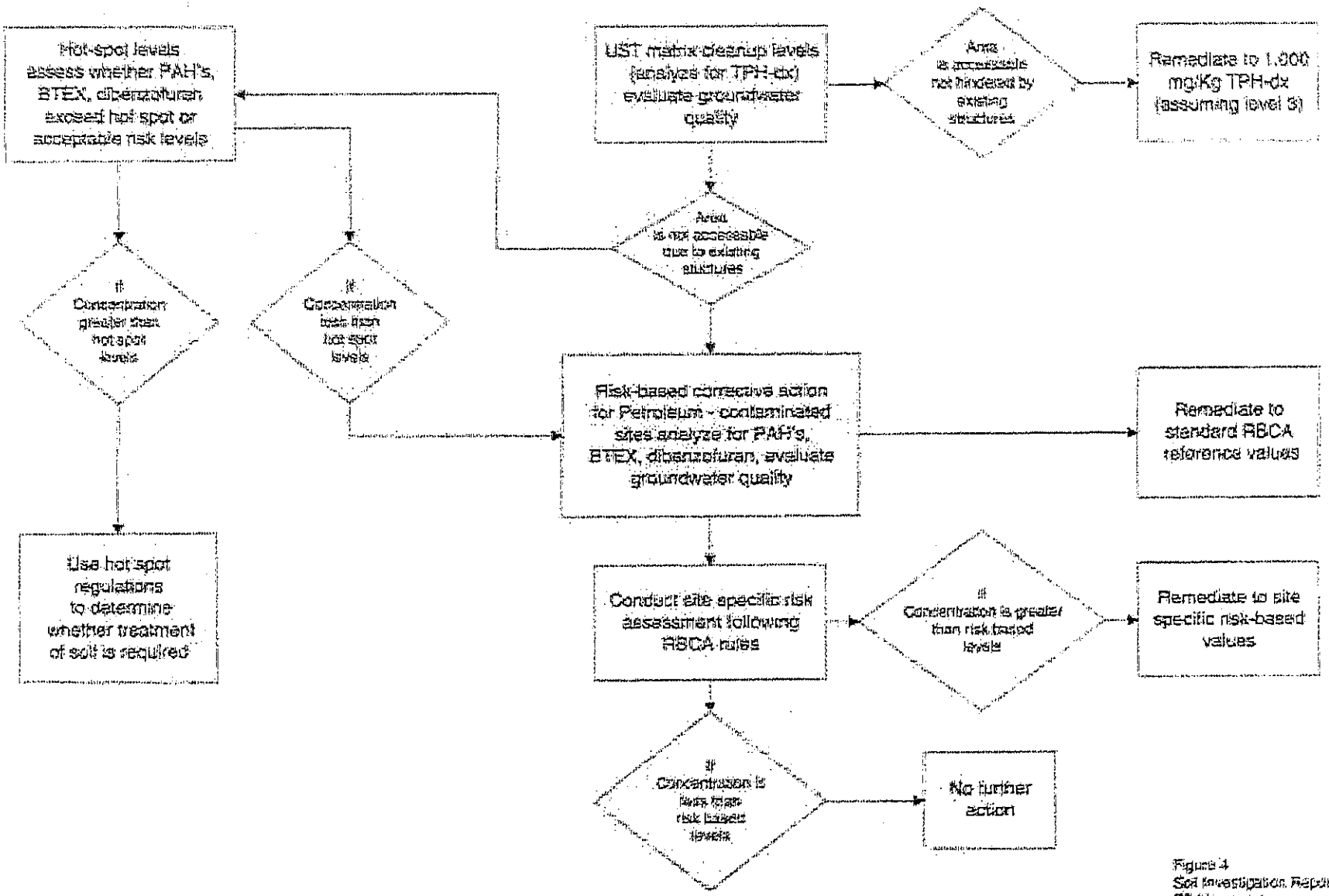


Figure 3
Soil Profile
Soil Investigation
SP Newsprint
Newberg, Oregon

CH2MHILL

Remedial Approach Flow Chart for Former Fuel Line Site



Note: RBCA, as Petroleum site typically applies to underground storage tank sites, DEQ can also require you to follow the hot spot cleanup.

Figure 4
Soil Investigation Report
SP Newsprint
Newberg, Oregon

CH2M HILL
825 NE Multnomah
Suite 1300
Portland, OR
97232-2146
Tel 503.235.5000
Fax 503.736.2000

CH2MHILL

April 27, 2001

Mr. Stan Miller
SP Newsprint Company
1301 Wynooski Street
PO Box 70
Newberg, OR 97132-0070

Subject: Former Diesel Spill Area Closure Report

Dear Stan:

Enclosed is the agency draft version of the document entitled ***Former Diesel Spill Area Closure Report***. I plan to provide Jim Anderson of DEQ a copy of the report during our meeting scheduled for Wednesday, May 2. If you have any questions or comments on this version, please let me know. We appreciate the opportunity to work with you on this project.

Sincerely,

CH2M HILL

David T. Mustonen P.E., C.W.R.E.
Project Manager

c: Ms. Claudia Powers, Ater Wynne LLP

Agency Review Draft

Former Diesel Spill Area Closure Report

Prepared for

SP Newsprint

1301 Wynooski St.
PO Box 70
Newberg, Oregon 97132

April 2001

Prepared by

CH2MHILL
Portland

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1 Monitoring Well Construction Reports
2 Vapor Extraction System As-Built Drawings
3 Fall 2000 Investigation Geologic Logs

Executive Summary

This report presents a summary of the investigations and response actions conducted at a former diesel spill area of the SP Newsprint paper mill (the Mill) located in Newberg, Oregon. The spill area is located within the boundary of the Mill. As documented in this report, spill area conditions were evaluated using the Oregon Department of Environmental Quality (DEQ) Soil Cleanup Matrix Scoring Procedures outlined in Oregon Administrative Rule (OAR) 340-122-0330.

In December 1994, prior to SP Newsprint's acquisition of the Mill, employees reported to DEQ a release of diesel in the area of the paper machine building. The spill occurred when a 500-gallon day tank was overfilled. The spilled diesel appeared to have dispersed into the crawlspace beneath the paper machine building.

Initial response activities included recovery of the spilled diesel product with a vacuum truck and operation of a temporary pumping system. Installation of a ventilation system in the crawlspace enhanced recovery of diesel vapors and mitigated atmospheric vapor concerns. An initial spill area assessment included collecting soil samples and water samples of water that had ponded in the crawlspace. Diesel range total petroleum hydrocarbons (TPHs) were detected in the soil samples ranging from 150 parts per million (ppm) to 2100 ppm. The ponded water samples contained diesel range TPH concentrations that ranged from 1.1 to 1.9 milligrams per liter (mg/L).

An initial subsurface soil and groundwater investigation was conducted in spring of 1995. The investigation consisted of drilling multiple borings and installing three permanent shallow (20 feet) groundwater monitoring wells (MW-1, MW-3, and MW-4). Results of the investigation indicated that the area was underlain with low-permeability silts and clays characteristic of the Willamette Silt Formation. Soil samples collected in the vicinity of the day tank detected diesel range TPH at levels ranging from 360 ppm to 1,100 ppm. Groundwater sampling analytical results did not detect diesel range TPH or benzene, toluene, ethylbenzene, and total xylene (BTEX) constituent levels above analytical reporting limits.

During the summer of 1995 an additional monitoring well (MW-5) was installed adjacent to the day tank. This well was installed by hand to a depth of 11 feet. Upon completion of well installation, diesel fuel was observed floating on the groundwater. In September 1995 a diesel recovery program was implemented by installing a total fluids pumping system in MW-5. The groundwater extraction system has been fully operational for over 5 years. Diesel is no longer observed in MW-5.

Multiple groundwater monitoring activities have been conducted at the Mill. Quarterly groundwater monitoring was conducted in 1998, and biannual monitoring was conducted in 1999. Groundwater monitoring results suggest that groundwater quality is not impacted outside the immediate area of the spill.

A soil investigation was conducted in October 2000 to further evaluate the subsurface soils conditions in the vicinity of the day tank. Results from sampling indicated that soils diesel

range TPH concentrations are below the Soil Cleanup Level 2 (500 ppm) and Level 3 (1000 ppm) matrix values.

The spill area conditions were evaluated in accordance with the soil matrix scoring procedures outlined in OAR 340-122-0330. The results indicate that the spill area should be classified as Soil Cleanup Level 3.

The soil conditions in the vicinity of the former diesel spill do not exceed the Soil Cleanup Level 3 reference concentrations for diesel range TPH. The groundwater in the area does not appear to be impacted outside the immediate vicinity of monitoring well MW-5. Groundwater recovery operations ongoing at MW-5 are successfully recovering any residual impacted groundwater remaining in the vicinity of the former diesel spill. Natural attenuation processes are also contributing to the degradation of the residual TPH detected in the groundwater at MW-5.

SECTION 1

Introduction

This report presents a summary of the investigation and remedial work conducted at a former diesel spill area at the SP Newsprint paper mill (the Mill) located in Newberg, Oregon. Included in this report is information that has been duplicated and summarized from reports previously prepared for SP Newsprint by other consultants.

Report Organization

This report is organized as follows:

- Environmental Setting
- History and Summary of Investigations
- Summary of Investigation Results
- Evaluation of Conditions
- Conclusions
- References

Area Description

In November 1999, SP Newsprint acquired the Mill from Smurfit Newsprint Corporation. Currently, SP Newsprint owns and operates the Mill, which is located at 1301 Wynooski Road in Newberg, Oregon (Figure 1). The Mill is located partially within the southeast portion of the City of Newberg and partially inside the city limits in Yamhill County, Section 29 of Township 3 South, Range 2. The Mill covers approximately 180 acres zoned for industrial use. A land use map for the vicinity of the Mill is presented in Figure 2.

In December 1994, Mill personnel reported a release of diesel to the Oregon Department of Environmental Quality (DEQ) in the area of the paper machine building. The spilled diesel resulted from overfilling a day tank with a capacity of 500 gallons. The spilled diesel appeared to have dispersed on the ground surface into the crawlspace beneath the paper machine building. A thin layer of diesel was observed to be floating on water that ponded within the crawlspace beneath the paper machine building. The diesel spill area is located within the interior of the Mill, adjacent to the south side of the paper machine building (Figure 3).

SECTION 2

Environmental Setting

Regional Geology

The regional geology within the Newberg Basin North of the Willamette River has been described by Schlicker and Deacon (1967). The Newberg Basin, as well as the Tualatin and Wilsonville Basins, resulted from regional folding that produced broad synclinal features with alluvial filling. The geologic units in the Newberg area include, from youngest to oldest: Alluvium, The Willamette Silt Formation, the Troutdale Formation, and the Columbia River Basalt Group volcanics. Eocene-aged marine sedimentary rocks also underlie the Columbia River Basalt Group volcanics.

Local Geology

Soil borings drilled during construction of monitoring wells (MW-1, MW-3, MW-4) and Geoprobes (GP-1 through GP-6) indicate that the shallow soils in the vicinity of the former diesel spill consist of alluvial and lacustrine deposits, which are consistent with the Willamette Silt Formation. The soils are characterized as silts that are yellow, green and mottled blue in color, with some fine sand to depths of at least 20 feet below ground surface (bgs). The silts are of low permeability, and yield very little water.

Deep geotechnical soil borings were drilled in the vicinity of the area wastewater aeration lagoons, which are located approximately 1500 feet from the former diesel spill area. The soil borings indicate that the silts extend to a depth of approximately 40 to 50 feet bgs. The geologic logs of these deep borings also indicate that the Troutdale Formation underlies the Willamette Silt Formation. The soils of the Troutdale Formation encountered during advancement of this boring consisted predominately of bluish gray, gray, and brown silt and clay, with lenses of silty sand less than 10 feet thick.

Regional Hydrogeology

The regional hydrogeology has been described by Schlicker and Deacon (1967). The principal water-bearing units in the region occur within the Troutdale Formation and the Columbia River Basalt Group volcanics. Groundwater occurs within the Willamette Silt Formation under unconfined conditions. Groundwater in the Troutdale Formation occurs under confined conditions, and groundwater within the Columbia River Basalt Groups occurs under artesian conditions.

Well yields from wells constructed within the Willamette Silt Formation are typically low, and mostly capable of providing water for only domestic uses. Wells completed in the Troutdale Formation are the principal source for groundwater domestic purposes in the area. Wells are commonly constructed from depths of approximately 75 feet to several hundred feet bgs. Yields of wells completed in the Troutdale Formation have been observed

to range from 10 gallons per minute (gpm) to greater that 100 gpm. The Columbia River Basalt Group is the principal aquifer developed for providing irrigation and industrial groundwater in the region. Wells constructed in the Columbia River Basalt Group produce a wide range of yields varying from approximately 10 gpm to over 1000 gpm.

Local Hydrogeology

During an earlier geotechnical investigation, monitoring wells were installed on the Mill property near the paper machine building. Shallow unconfined groundwater was measured at approximately 5 to 10 feet bgs. During a later geotechnical investigation near the lagoons, piezometers were installed. Shallow groundwater in the alluvial and lacustrine deposits predominantly consists of silt and clays with silty sand lenses. These materials appear to extend to a depth up to 40 to 50 feet bgs at the Mill.

Beneficial Use of Groundwater

A groundwater beneficial use study was conducted for the Mill in 1996 to evaluate groundwater use within a half-mile radius of the Mill. The groundwater use data were obtained from the Oregon Water Resources Department water well records. Fifty-six water wells were available for review within the half-mile radius, which covers an area within portions of Sections 19, 21, 28, 29, and 30 of Township 3 South, Range 2 West. Water well locations are illustrated in Figure 4. A review of groundwater use in the area was conducted in 1996 (Dames and Moore, November 26, 1996). The following uses have been reported for the 56 well reports reviewed:

- Eight wells were drilled for municipal use.
- Two wells were drilled for irrigation use.
- Two wells were drilled as test wells and subsequently abandoned.
- Forty-four wells were drilled for domestic use.

The wells are predominately screened at the bottom of the Willamette Silt and Troutdale Formations. The screen interval of the wells ranged from 20 to 407 feet bgs. Over 50 percent of the wells were reported to be screened across an interval that started at a depth greater than 39 feet, suggesting that shallow groundwater is not readily available for beneficial use.

Surface Water Hydrology Features

The Willamette River, located adjacent to the southern Mill property boundary, is the principal drainage feature of the Newberg Valley. Major tributaries located north of the Willamette River drain southerly in the area. Tributaries include Chehalem Creek, Hess Creek, Spring Creek, and Brook Creek. The creeks contain steeply incised flat bottomed channels. The Hess Creek drainage channel is closest to the spill area and is located adjacent to the eastern Mill property boundary. Hess Creek was artificially diverted via a diversion tunnel in 1981 due to the failure of a culvert which previously diverted the creek past the North Lagoon. The new diversion tunnel is located approximately 200 feet east of the North Lagoon.

SECTION 3

History and Summary of Investigations

The sections that follow provide a chronological summary of the removal actions and investigations conducted at the former diesel spill area. A summary of the findings of the investigations is presented in Section 4.

Initial Removal Action

An inspection of the crawlspace beneath the paper machine building loading dock known as the "west chamber" and the space beneath the dye room known as the "east chamber" indicated that the water accumulated within the chambers was emitting diesel odors. Water typically accumulates beneath the paper machine building during the winter, but the presence of diesel odors and sheen indicated that diesel spill may have entered the west chamber. Samples of the ponded water were collected from the west chamber, and analyzed using the HAZCAT method. The analyses indicated that the sampled water contained diesel. The diesel was floating on top of the accumulated water beneath the loading dock.

On December 27 and 28, 1994, Smurfit Newsprint Corporation removed approximately 1500 gallons of the diesel and water mixture from the west chamber with a vacuum truck. The water within the vacuum truck was decanted, and discharged to the Mill's wastewater treatment plant. Approximately 150 gallons of diesel/water mixture was retained within the vacuum truck. The retained diesel/water mixture was disposed of at Oil Re-Refiners in Portland, Oregon.

Reinspection of the space beneath the paper machine building in January 1995 indicated that the area had once again recharged with water. Dewatering operations involving the flooded area beneath the shipping dock recommenced. A sump was constructed beneath the loading dock and the diesel/water mixture was conveyed to a baker tank with centrifugal pumps. The baker tank functioned as an oil-water separator. The separated water was discharged to the Mill wastewater treatment system. The recovered diesel/water mixture was either further treated and reused or properly disposed of. Dewatering operations continued through early February 1995. A total of 81,000 gallons of water was pumped from beneath the loading dock to the baker tank and discharged to the Mill wastewater treatment system.

Initial Area Assessment

Initial area assessment investigations were conducted on February 16 and February 28, 1995. During the first visit, a composite soil sample was collected. The sample consisted of soil collected from four discrete points within the crawlspace beneath the paper machine building loading dock. The soil sample was submitted to National Environmental Laboratory for analysis of Appendix IX metals using U.S. Environmental Protection Agency (EPA) method 6010, volatile organic compounds (VOCs) using EPA method 8260, polychlorinated

biphenyls (PCBs) using EPA method 8080, gasoline range TPH, diesel range TPH, and heavy oil TPH.

On February 28, 1995, additional investigative work was conducted beneath the paper machine building. A total of five soil samples were collected from the surface soils beneath the paper machine building. Two water samples were collected from the ponded water accumulated beneath the paper machine building. The sampling locations are shown in Figure 5. The soil samples were submitted for laboratory analysis of TPH using EPA modified method 8015. The water samples were submitted for laboratory analysis of TPH using EPA method 8015, and BTEX using EPA method 602. The results of the initial area assessment sampling are summarized in Table 1.

The sampling results indicated that diesel range TPH was detected at levels exceeding the Soil Cleanup Level 3 (1000 ppm) reference concentrations for diesel at two locations. No other constituents were detected above reference levels.

Summary of Groundwater and Subsurface Investigations and Actions

Spring 1995 Investigation Summary

During March and April of 1995 a total of four soil borings were drilled in the vicinity of the paper machine building. In accordance with the Oregon Administrative Rules, each of the soil borings was completed as 2-inch diameter groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) to depth bgs of 20 feet. Upon completion of the construction of monitoring well MW-2, it was determined that the monitoring well had penetrated a sewer line. The monitoring well was abandoned in accordance with the Oregon Administrative Rules and the sewer line was repaired by Mill personnel. Construction of MW-4 served as the replacement monitoring well for MW-2. Monitoring well locations are illustrated in Figure 6. Monitoring well construction reports are provided in Attachment 1.

Soil Sampling

During the drilling operations subsurface soil samples were collected from a depth of five feet bgs at the soil borings for MW-1, MW-2 and MW-3. The soil samples were submitted for laboratory analysis of diesel-range TPH. Analytical results reported no diesel-range TPH detections above reporting limits.

Groundwater Hydrologic Monitoring

The tops of the casings for the constructed monitoring wells were surveyed using a laser level and Philadelphia rod for vertical control, and a steel tape for horizontal control. The elevations of the casing tops were tied into the local survey bench mark located inside the paper machine building west chamber crawlspace. The depth to groundwater below the monitoring well top of casing was measured with an electronic water level tape. The groundwater hydrologic measurements to date are compiled in Table 2.

Groundwater Quality Characterization

Groundwater samples were collected from monitoring wells MW-1, MW-3, and MW-4 for analysis of TPH using EPA method 418.1, and of BTEX using EPA method 602. Groundwater analytical results for all groundwater sampling at the spill area are presented in Table 3. Analytical results from the spring 1995 sampling event are summarized as follows:

- No constituents were detected above regulatory levels.
- MW-1 contained total xylenes concentration of 1.4 µg/L.
- MW-3 contained the following constituents: benzene at 1.1 µg/L, toluene at 0.6 µg/L, ethylbenzene at 2.5 µg/L, and total xylenes at 4.7 µg/L.
- MW-4 did not have levels of TPH or BTEX above detection limits.

Summer 1995 Investigation Summary

The following investigative work was conducted during the summer of 1995:

- Spaces beneath the paper machine building were inspected.
- Further characterization of the subsurface soils and groundwater was completed.
- Implementation of a diesel recovery program was begun.
- Inspection of the west chamber vapor extraction system was conducted.

Visual Inspection of the Space Beneath the Paper Machine Building

During May 1995 the east and west chambers beneath the paper machine building were inspected. No diesel was observed within either the west chamber or east chamber. A water sample was collected from the west chamber sump. The sample was submitted for laboratory analysis of TPH using EPA method 481.1, and BTEX using EPA method 8020. Analytical results reported no constituents above detection levels.

Subsurface Characterization and Installation of Monitoring Well MW-5

On August 29, 1995, soil samples were collected in the vicinity of the former day tank. (See Figure 6 location identified as MW-5.)

A borehole was advanced using hand auguring methods to a depth of 5 feet bgs. A Geoprobe direct push sampler was used to advance the borehole to a depth of 9.5 feet bgs. At this depth, diesel was observed at the bottom of the borehole. Soil samples were collected from depths of 2.5 feet, 5 feet, and 8 feet bgs and submitted for analysis of TPH-Diesel. The sample collected from a depth of 8 feet was also submitted for analysis of polycyclic aromatic hydrocarbons (PAHs). The soil sampling analytical results are summarized in Table 4.

Upon completion of soil sampling activities the borehole was further advanced to a depth of 11 feet using hand auguring methods. The borehole was completed as a 2-inch monitoring well (MW-5, Figure 6), with a screen interval from 5.5 feet to 11 feet bgs. Upon completion of well construction, diesel thickness was measured to be 28 inches in the well, floating on the groundwater. The depth to water was measured to be 8 feet bgs.

Groundwater Monitoring

During the summer of 1995, groundwater elevation measurements and groundwater samples were collected from monitoring wells MW-1, MW-3, and MW-4. The groundwater samples were submitted for laboratory analysis of TPH using EPA method 418.1, and BTEX using EPA method 602. Groundwater samples collected from MW-1 were also analyzed for PAHs using EPA method 610. The groundwater elevation measurements are compiled in Table 2, and the groundwater analytical results are compiled in Table 3. Analytical results from the summer 1995 sampling event are summarized as follows:

- No constituents were detected above regulatory levels.
- MW-3 and MW-4 did not have levels of TPH or BTEX above detection limits.
- MW-1 contained TPH at a level of 500 µg/L, and toluene at a level of 0.59 µg/L.
- No PAHs were detected above detection limits in MW-1.

Diesel Recovery Program

On September 1, 1995, a total fluids groundwater extraction system was installed in MW-5, with the intent of recovering diesel observed in monitoring well MW-5. The system utilized a pumping system that extracted groundwater at a rate of approximately 20 gallons per day. The extracted groundwater was pumped into a 275-gallon polyethylene tank for temporary storage prior to disposal.

Inspection of West Chamber Vapor Extraction System

During the August 29, 1995 inspection of the west chamber, compressed air was observed to be entering the chamber, providing sufficient ventilation and evacuation of air within the space.

1995-1996 Winter Monitoring Program Summary

The monitoring activities conducted during winter 1995-1996 consisted of periodic Mill visits and sampling events. Construction associated with the improvement of the vapor extraction system was conducted. The following activities were conducted during winter 1995-1996:

- Groundwater monitoring during December 1995 and February 1996
- Inspection of the west and east chambers
- Continued extraction of groundwater and diesel from MW-5
- Upgrade of the capacity of the vapor extraction system installed in the west chamber

Groundwater Monitoring

On December 26, 1995, and February 8, 1996, groundwater elevation measurements were conducted at monitoring wells MW-1, MW-3, and MW-4. Groundwater samples were also collected from each of the monitoring wells and submitted for laboratory analysis of TPH using EPA method 418.1 and BTEX using EPA method 8020. The analytical results are compiled in Table 3. The groundwater elevation data are compiled in Table 2. The results of the groundwater monitoring indicate that no TPH or BTEX constituents were detected above laboratory detection levels.

West Chamber and East Chamber Inspection Summary

Monthly inspections of both the west and east chambers were conducted during the fall of 1995 fall and the winter of 1995-1996. There were no indications of diesel from either the west or east chamber.

Groundwater Extraction and Diesel Recovery

Groundwater extraction and diesel recovery continued through the winter of 1995-1996. Groundwater and diesel were extracted from monitoring well MW-5 into a 275-gallon polyethylene tank. Groundwater extraction rates continued to be very low.

Vapor Extraction System Improvement

During the winter of 1995-1996, the west chamber vapor extraction system was improved by installing a permanent 8-inch ventilation duct and high volume ventilation system. The upgraded vapor extraction system is capable of exchanging the volume of air in the west, east, and center chambers every 35 minutes. The vapor extraction system is projected to extract air from the three chambers at the following rates:

- West chamber at a rate of 1575 standard cubic feet per minute (SCFM)
- East chamber at a rate of 260 SCFM
- Center chamber at a rate of 260 SCFM

Spring 1997 Groundwater Monitoring

On April 23, 1997, groundwater elevations were measured in monitoring wells MW-1, MW-3, MW-4, and MW-5. To ensure that the reference elevation for each well was accurate, the top of the casing of each of the monitoring wells was resurveyed by a professional land surveyor on April 29, 1997.

Groundwater samples were also collected from each of the monitoring wells and submitted for laboratory analysis of TPH using EPA method 418.1, and BTEX using EPA method 8015. Groundwater samples collected from MW-5 were also analyzed for PAHs using EPA method 8270-SIM. The analytical results are compiled in Table 3. Highlights of the results are as follows:

- BTEX constituent was not detected above detection limits for monitoring wells MW-1, MW-3, and MW-4.
- In the spring of 1997, lower detection limits were implemented for laboratory analysis. Low levels of TPH were detected in monitoring wells MW-1 (0.34 mg/L), MW-3 (0.26 mg/L), and MW-4 (0.29 mg/L).
- MW-5, which is currently functioning as a recovery well, had a TPH concentration of 1.05 mg/L.
- Low-level PAHs were detected in the sample from MW-5.

1998 Quarterly Groundwater Monitoring Program

In 1998, a quarterly groundwater monitoring program was implemented. Groundwater monitoring activities were conducted during March, June, October, and December of 1998.

The groundwater monitoring program consisted of collecting groundwater samples from each of the monitoring wells, which included MW-1, MW-3, MW-4, and MW-5. The groundwater samples were submitted for laboratory analysis of TPH-Diesel using the DEQ Northwest HCID method. The groundwater sampling results are compiled in Table 3. Analytical results illustrate that no constituents were detected above laboratory reporting limits for MW-1, MW-3, and MW-4.

Groundwater elevation measurements were also conducted at each of the monitoring wells during each of the groundwater monitoring activities. The groundwater elevation measurements are compiled in Table 2.

1999 Semiannual Groundwater Monitoring Program

In 1999 a semiannual groundwater monitoring program was implemented. Groundwater monitoring activities were conducted during March and November of 1998. The groundwater monitoring program consisted of collecting groundwater samples from each of the monitoring wells, which included MW-1, MW-3, MW-4, and MW-5. The groundwater samples were submitted for laboratory analysis of TPH-Diesel using the DEQ Northwest HCID method. The groundwater sampling results are compiled in Table 3. Analytical results illustrate that no constituents were detected above laboratory reporting limits for MW-1, MW-3, and MW-4.

Groundwater elevation measurements were also conducted at each of the monitoring wells during each of the groundwater monitoring activities. The groundwater elevation measurements are compiled in Table 2.

2000 Soil Investigation

In October 2000, a soil investigation was conducted at the Mill in the vicinity of the former diesel spill area to further evaluate conditions and to:

- Evaluate whether expansion of the paper machine building would potentially exacerbate any residual diesel that may have originated from the former diesel spill
- Obtain further area characterization data that could be used for evaluating the potential for closure

The area investigation consisted of the following activities:

- Drilling of six Geoprobe soil borings
- Collection of soil samples for laboratory analysis of TPH-Dx
- Collection of a water sample for laboratory analysis of TPH-Dx, from the water currently ponded beneath the loading dock located in the western chamber where diesel was previously identified

Summary of Investigation Methods

The investigation consisted of drilling a total of six soil borings using direct push method drilling methods (Geoprobe). The drilling locations are illustrated in Figure 7. Three borings

(GP-1, GP-2, and GP-3) were drilled along the southern wall of the paper machine building, and two borings (GP-4 and GP-5) were drilled in the paper machine building along the southern load bearing well. These borings penetrated the soils within the crawlspace beneath the loading dock. One boring (GP-6) was drilled in the area of the former diesel spill adjacent to groundwater recovery well MW-5. Installation of this boring was intended to evaluate whether any residual diesel is remaining in the soils of the former diesel spill.

Geoprobe borings GP-1, GP-2, GP-3, and GP-6 were drilled to a total depth of 12 feet bgs. Soil samples were collected continuously for visual inspection and field screening of the soil samples with a flame ionized detector (FID).

Geoprobe borings GP-4 and GP-5 were drilled from the paper machine building floor above the crawlspace in the western chamber. This activity required coring through 12 inches of concrete and using extender rods. The western chamber crawlspace is underlain with approximately 7 feet of gravel cobbles. The gravel cobbles were hand excavated at drilling locations to facilitate installation of a 6-inch diameter conductor casing and to enable advancement of the Geoprobe. A cross section of the western chamber crawlspace depicting installed Geoprobes GP-4 and GP-5 is provided in Figure 8. Geologic logs for each of the Geoprobe borings are provided in Attachment 3.

Soil samples were collected from each of the borings for laboratory analysis of diesel range TPH using NWTHP-Dx analytical methods. The following soil samples were collected for laboratory analysis:

- GP-1: one soil sample collected from the 10-12 foot depth interval
- GP-2: one soil sample collected from the 2-4 foot depth interval
- GP-3: one soil sample collected from the 3-4 foot depth interval
- GP-4: soil samples collected (2) from the 9-11 and 11-15 foot depth interval
- GP-5: soil samples collected (2) from the 7-11 and 11-15 foot depth interval
- GP-6: soil samples collected (3) from the 2-4, 6-8, and 10-12 foot depth interval

One water sample PW-1 was collected from the ponded water observed within the western chamber crawlspace. Water sample PW-1 was analyzed for diesel range TPH using NWTPH-Dx analytical methods.

Field Observations

Inspection of the soil samples collected from each of the Geoprobe borings indicates that the area is underlain predominately with low-permeability silts and clays, consistent with the Willamette Silt Formation. No appreciable groundwater was encountered during the investigation.

Sampling Results. The laboratory results for the soil sampling and sampling of the ponded water are summarized in Table 5. The following samples had detections of diesel range TPH:

- GP-5 (depth interval 7-11 feet) had a TPH-Diesel concentration of 62 ppm.
- GP-6 (depth interval 6-8 feet) had a TPH–Diesel concentration of 488 ppm.

Geoprobe boring GP-6 was installed directly in the former diesel spill area. Sampling results indicate that the soil does not contain diesel range TPH at concentrations exceeding the DEQ soil cleanup concentration for Level 2 (500 ppm) and Level 3 (1000 ppm) areas.

SECTION 4

Summary of Investigation Results

Soil Conditions

The former diesel spill area is underlain with low-permeability silts and clays typical of the Willamette Silt Formation. The permeability of these soils is typically less than 1 X 10-5 cm/second. The presence of the low-permeability soils has limited the migration of diesel constituents released during the spill.

Soil sampling results from the initial investigations conducted in February 1995 indicate that a limited amount of soil was impacted as a result of the spill. The soil exceeded the Soil Clean Up Level 3 reference levels for diesel range TPH (Table 1). Soil sampling in the area of the former diesel spill area during the October 2000 investigation indicates that a limited amount of diesel range TPH remains below at a depth profile from 6 to 8 feet bgs (Table 5). The concentration of diesel range TPH measured was below both Level 2 (500 ppm) and Level 3 (1000 ppm) Soil Cleanup reference concentrations for diesel range TPH. Soil samples collected above and below this profile did not show the presence of diesel range TPH.

Groundwater Conditions

The shallow groundwater observed in the vicinity of the former diesel spill is characteristic of a very low yielding water-bearing zone within the Willamette Silt Formation. Groundwater extraction is currently in operation at MW-5 with a pumping system. Groundwater extraction rates have been observed to be less than 0.1 gpm. The depth to groundwater in the area has been observed to be less than 10 feet bgs. Groundwater seepage is under a very subtle gradient that ranges from 0.0027 to 0.0037. The direction of the hydraulic gradient has been observed to vary, with groundwater seepage towards the southwest in the spring, and seepage in the summer, fall, and winter towards the northwest and west. Groundwater potentiometric maps for each of the seasons from June 1998 through March 1999 are presented in Figures 9 through 12.

A summary of the groundwater monitoring analytical data has been compiled in Table 3. Analytical results of groundwater samples collected from MW-1, MW-3, and MW-4 subsequent to 1997 indicate that constituents were not detected above analytical reporting limits. Groundwater quality results from monitoring well MW-5 indicate that concentrations of TPH and related constituents have decreased over time. Low levels of PAHs were observed at MW-5 in 1997.

In general, the groundwater quality impacts from the former diesel spill appear to be limited to a small area in the vicinity of MW-5. Groundwater extraction operations and the low-permeability nature of the native soils appear to have limited migration of any diesel constituents released during the former spill. Natural attenuation processes are also contributing to the degradation of the residual TPH detected in the groundwater at MW-5.

SECTION 5

Evaluation of Conditions

The area conditions were evaluated in accordance with the DEQ Soil Cleanup Procedures (OAR 340-122-0330) in order to determine the specific matrix cleanup level. The Soil Cleanup Procedures specify that the following parameters must be evaluated:

- Depth to groundwater
- Mean annual precipitation
- Native soil type
- Sensitivity to the uppermost aquifer
- Potential receptors

A score for each of the parameters is determined based on DEQ guidelines, and then the five parameter scores are totaled for the score. The rationale for the scoring of each parameter is summarized below:

Depth to Groundwater. The depth to groundwater observed in monitoring wells installed at the Mill has been measured to be less than 10 feet bgs. This resulted in a parameter score of 10.

Mean Annual Precipitation. The normal annual precipitation for Portland, Oregon, has been reported to be 36.3 inches per year by the Oregon Climatic Services. This resulted in a parameter score of 4.

Soil Type. The soil conditions have been characterized to a depth of 20 feet through spilt spoon sampling. The October 2000 Geoprobe investigation characterized soil conditions through a depth of 12 feet. Results from these investigations indicate that the soils beneath the spill area consist predominately of low-permeability silts and clays typical of the Willamette Silt Formation. This resulted in a parameter score of 1.

Sensitivity to the Uppermost Aquifer. The water-bearing zone being monitored is a shallow zone, which is not likely capable of supplying an ample yield of groundwater for domestic, agricultural, or industrial uses. Development of groundwater resources in the area primarily occurs from the Troutdale Formation, which is considered to be under confined conditions. This resulted in a parameter score of 1.

Potential Receptors. The parameter has two components:

- Distance to the nearest well
- Number of people at risk

The water well records search indicated that domestic wells have been constructed within a half-mile of the spill area. However, most of these wells are on the east side of Hess Creek, which appears to be a groundwater divide for shallow groundwater. In addition, domestic wells are likely to extract groundwater from a zone independent of the low-permeability target water-bearing zone, which has a depth of 5-20 feet bgs. Considering the low yield of

the water-bearing zone, it is likely that less than 100 people are using groundwater that could potentially be impacted by the target water-bearing zone. This has resulted in a potential receptor parameter score of 5.

A summary of the parameter scoring is provided in Table 6. The total parameter score for the area was evaluated to be 21, which results in a Soil Cleanup Level 3 matrix. The Level 3 soil cleanup concentrations for diesel and gasoline range TPH are provided below:

- TPH Gasoline—130 ppm
- TPH Diesel—1000 ppm

SECTION 6

Conclusions

The soil conditions in the vicinity of the former diesel spill do not exceed the Soil Cleanup Level 3 reference concentrations for diesel range or gasoline range TPH. The groundwater in the area does not appear to be impacted outside the immediate vicinity of monitoring well MW-5. Groundwater recovery operations ongoing at MW-5 appear to have successfully recovered any residual diesel in the vicinity of the former diesel spill area. Natural attenuation processes are contributing to the degradation of any residual dissolved TPH remaining in the groundwater at MW-5. Based on these observations, SP Newsprint is considering terminating groundwater extraction operations at monitoring well MW-5, and requesting a no further action notification from the DEQ.

SECTION 7

References

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Tables

Table 1. Summary of Initial Investigation Sampling Results

SP Newsprint, Former Diesel Spill Area

Constituent	Soil Samples						Water Samples		Reference Levels	
	Composite #1	#1	#2	#3	#4	#5	#6	#7	Soil	Groundwater
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/l	ug/l	mg/kg	ug/l
Sampling Date	02/16/1995	02/28/1995	02/28/1995	02/28/1995	02/28/1995	02/28/1995	02/28/1995	02/28/1995		
TPH method 8015										
Gasoline	<10	ND	ND	ND	ND	ND	ND	ND	130	
Mineral Spirits	NA	ND	ND	ND	ND	ND	ND	ND		
Diesel	**1200**	100	ND	ND	**2100**	150	1,900	1,100	1000	
Heavy Oil	<50	ND	ND	ND	ND	ND	ND	ND		
BTEX method 602										
Benzene	--	--	--	--	--	--	ND	ND		3
Toluene	--	--	--	--	--	--	ND	ND		1
Ethylbenzene	--	--	--	--	--	--	0.5	ND		700
Total Xylenes	--	--	--	--	--	--	0.6	ND		7000
Appendix IV Metals										
Antimony	1.2	--	--	--	--	--	--	--		
Chromium	3	--	--	--	--	--	--	--	10	
Copper	10	--	--	--	--	--	--	--	100	
Lead	2.6	--	--	--	--	--	--	--	2	
Nickel	4.2	--	--	--	--	--	--	--	10	
Zinc	78	--	--	--	--	--	--	--		
VOCs (method 8260)	ND	--	--	--	--	--	--	--		
PCBs (method 8080)	ND	--	--	--	--	--	--	--		

Table 2. Summary of Groundwater Elevation Measurements
SP Newsprint, Former Diesel Spill Area

Well Elevation ft. msl	MW-1 168.29		MW-3 169.97		MW-4 170.07		MW-5 170.81	
Date	Depth to Water (ft bgs)	GW elevation (ft msl)	Depth to Water (feet)	GW elevation (ft msl)	Depth to Water (feet)	GW elevation (ft msl)	Depth to Water (feet)	GW elevation (ft msl)
03/30/1995	5.72	162.57	6.39	163.58	--	--	--	--
04/13/1995	--	--	--	--	7.01	163.06	--	--
08/30/1995	7.63	160.66	8.24	161.73	8.49	161.58	--	--
12/26/1995	4.31	163.98	6.87	163.1	6.41	163.66	--	--
02/08/1996	1.8	166.49	2.45	167.52	4.92	165.15	--	--
04/23/1997	4.64	163.65	6.31	163.66	7.16	162.91	7.1	163.71
03/31/1998	4.14	164.15	6.3	163.67	5.88	164.19	--	--
06/18/1998	7.01	161.28	7.26	162.71	7.98	162.09	8.2	162.61
10/14/1998	4.66	163.63	6.54	163.43	7.12	162.95	7.71	163.1
12/07/1998	3.39	164.9	6.43	163.54	6.22	163.85	6.42	164.39
03/18/1999	3.57	164.72	6.3	163.67	6.81	163.26	7.14	163.67
11/29/1999	3.31	164.98	5.56	164.41	6.61	163.46	6.48	164.33

ft bgs = feet below ground surface
ft msl = feet mean sea level

Table 3. Summary of Groundwater Analytical Data
SP Newsprint, Former Diesel Spill Area

	Date Sampled	TPH-total	Gasoline	Jet Fuel (JP-4)	Mineral Spirits	Jet Fuel as Jet A	Kerosene	Diesel	Heavy Fuel Oil	Lube Oil	PHC as Diesel	Non-PHC as Diesel	Benzene	Toluene	Ethyl Benzene	Xylenes
MW-1	11/29/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	--	--	--	--	--	--
	3/18/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	--	--	--	--	--	--
	12/7/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	10/14/1998[D]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	06/18/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	03/31/1998[B]	--	--	--	<100	<100	<100	<100	<250	<250	<250	<500	--	--	--	--
	04/23/1997[C]	340	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
	02/08/1996[C]	<500	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5
	12/26/1995[C]	<500	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5
	08/30/1995[C]	500	--	--	--	--	--	--	--	--	--	--	<0.5	0.59	<0.5	<1
	03/30/1995[C]	<250	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
MW-2	03/30/1995[C]	21000	--	--	--	--	--	--	--	--	--	--	<0.5	0.8	<0.5	<1
MW-3	11/29/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	NA	NA	--	--	--	--
	3/18/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	NA	NA	--	--	--	--
	12/7/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	10/14/1998[D]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	06/18/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	03/31/1998[B]	--	--	--	<100	<100	<100	<100	<250	<250	<250	<500	--	--	--	--
	04/23/1997[C]	260	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
	02/08/1996[C]	<500											<0.5	<0.5	<0.5	<0.5
	12/20/1995[C]	<500											<0.5	<0.5	<0.5	<0.5
	08/30/1995[C]	250	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
	03/30/1995[C]	<250	--	--	--	--	--	--	--	--	--	--	0.9-1.1	0.5-0.6	2.2-2.5	4.3-4.7
MW-4	11/29/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	NA	NA	--	--	--	--
	3/18/1999[A]	--	<250	<250	<250	<630	<630	<630	<630	<630	NA	NA	--	--	--	--
	12/7/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	10/14/1998[D]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	06/18/1998[B]	--	--	--	<250	<250	<250	<250	<500	<500	<500	<500	--	--	--	--
	03/31/1998[B]	ND	--	--	<100	<100	<100	<100	<250	<250	<250	<500	--	--	--	--
	04/23/1997[C]	291	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
	02/08/1996[C]	<500											<0.5	<0.5	<0.5	<0.5
	12/26/1995[C]	<500											<0.5	<0.5	<0.5	<0.5
	08/30/1995[C]	250	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
	03/30/1995[C]	<500	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<1
MW-5	11/29/1999[A]	--	<250	<250	<250	<630	3000	<630	<630	<630	NA	NA	--	--	--	--
	3/18/1999[A]	--	<250	<250	<250	<630	<630	2070	<630	<630	NA	NA	--	--	--	--
	12/7/1998[B]	--	--	--	<250	<250	18,700	<250	<500	504	<500	<500	--	--	--	--
	10/14/1998[D]	--	--	--	<250	<250	3,460	<250	<500	<500	<500	<500	--	--	--	--
	06/18/1998[B]	--	--	--	<250	<250	26,300	<250	<500	<500	<500	<500	--	--	--	--
	03/31/1998[B]	--	--	--	<250	<250	1,090	<250	<500	<500	<500	<500	--	--	--	--
	04/23/1997[C]	105000	--	--	--	--	--	--	--	--	--	--	6.92	<1	2.76	<2

		Polycyclic Aromatic Hydrocarbons (PAHs) Analysis													
		Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fouranthene	Benzo(ghi)peylene	Benzo(k)fouranthene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)	Naphthalene	Phenanthrene	Pyrene
MW-5[D]	04/23/1997	21.7	5.85	3.88	1.03	1.24	0.277	1.21	4.24	25.8	19.1	0.276	18.1	30	22.7
MW-1[D]	08/31/1995	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5	<0.1	<5	<5	<5

1. Note that MW-5 is a groundwater extraction well.
2. All groundwater concentrations are presented in units of ug/l (ppb).

[A] Northwest TPH-HCID Laboratory Methods
[B] Northwest TPH-Dx Laboratory Methods
[C] USEPA TPH method 418.1 and BTEX EPA method 620
[D] USEPA 8270-SIM method
-- Not analyzed
NA - Not available

Table 4. Summary of Summer 1995 Soil Sampling Results
SP Newsprint, Former Diesel Spill Area

	Soil Samples			Reference Levels
Constituent	Day Tank Pad #1	Day Tank Pad #2	Day Tank Pad #3	**Soil**
Units	mg/kg	mg/kg	mg/kg	mg/kg
Sampling Depth	2.5 feet	5 feet	8 feet	
Sampling Date	08/29/1995	08/29/1995	08/30/1995	
TPH				
Diesel	<25	360	**1,100**	1000
PAHs method 610				
Benzo (a) anthracene	--	--	0.47	
Benzo (a) pyrene	--	--	0.7	
Benzo (a) fluoranthene	--	--	0.5	
Benzo (k) fluoranthene	--	--	0.26	
chrysene	--	--	0.5	
Fluoranthene	--	--	1.4	
Ideno(123-cd)pyrene	--	--	0.4	
Phenanthrene	--	--	0.5	

Table 5. Summary of Fall 2000 Investigation Results
SP Newsprint, Former Diesel Spill Area

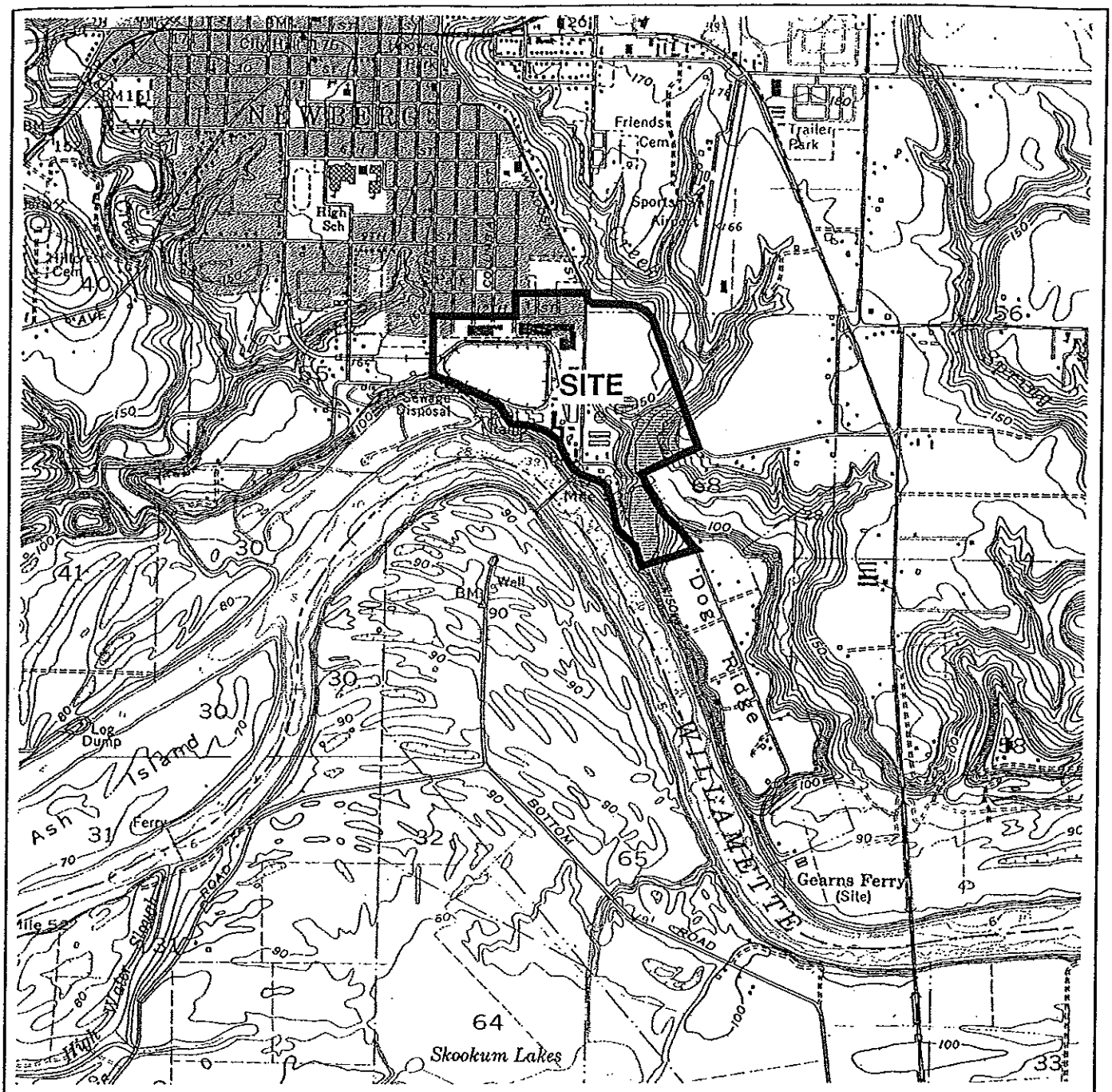
Sample ID	Depth Interval (feet below grade)	Units	TPH-Dx	TPH Heavy Oil Range
Soil Samples				
GP1-10-12	10 to 12	mg/kg	<25	<50
GP2-2-4	2 to 4	mg/kg	<25	507
GP3-3-4	3 to 4	mg/kg	<25	<50
GP4-16-18	9 to 11	mg/kg	<25	<50
GP4-18-22	11 to 13	mg/kg	<25	<50
GP5-14-18	7 to 11	mg/kg	62	<50
GP5-18-22	11 to 13	mg/kg	<25	<50
GP6-2-4	2 to 4	mg/kg	<25	<50
GP6-6-8	6 to 8	mg/kg	488	<50
GP6-10-12	10 to 12	mg/kg	<25	<50
Reference Levels			1000	
Water Sample				
PW-1	surface water	mg/L	<0.25	<0.5

Table 6. Soil Matrix Scoring Evaluation
SP Newsprint, Former Diesel Spill Area

	Criteria	Conditions	Score
1	Depth to Groundwater	< 25 feet	10
2	Annual Precipitation	36.3 inches*	4
3	Soil Type	Silts/Clays	1
4	Aquifer Sensitivity	Very Low Yield	1
5	Nearest Well	<1/2 mile	
6	# of People at Risk	<100	5
	Total Score		**21**
	Level 3 Area		

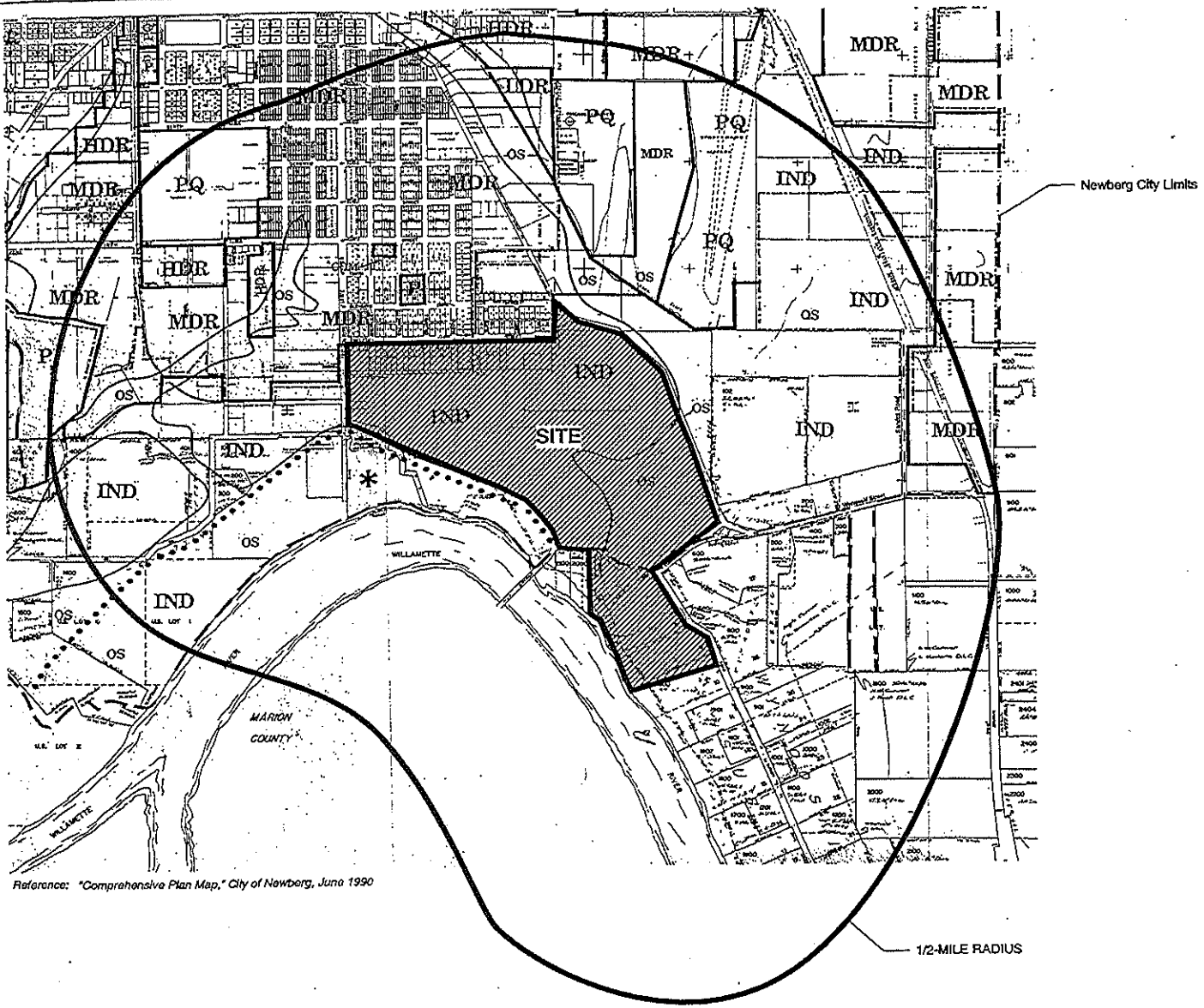
* City of Portland Normal Annual Precipitation, Oregon Climatic Service

Figures



Reference: Newberg Quadrangle, USGS 7.5 Minute Series, 1961
Photorevised 1985

FIGURE 1
Vicinity Map
Former Diesel Spill Area
SP Newsprint, Newberg, OR



Reference: "Comprehensive Plan Map," City of Newberg, June 1990

FIGURE 2
Land Use Map
Former Diesel Spill Area
SP Newsprint, Newberg, OR

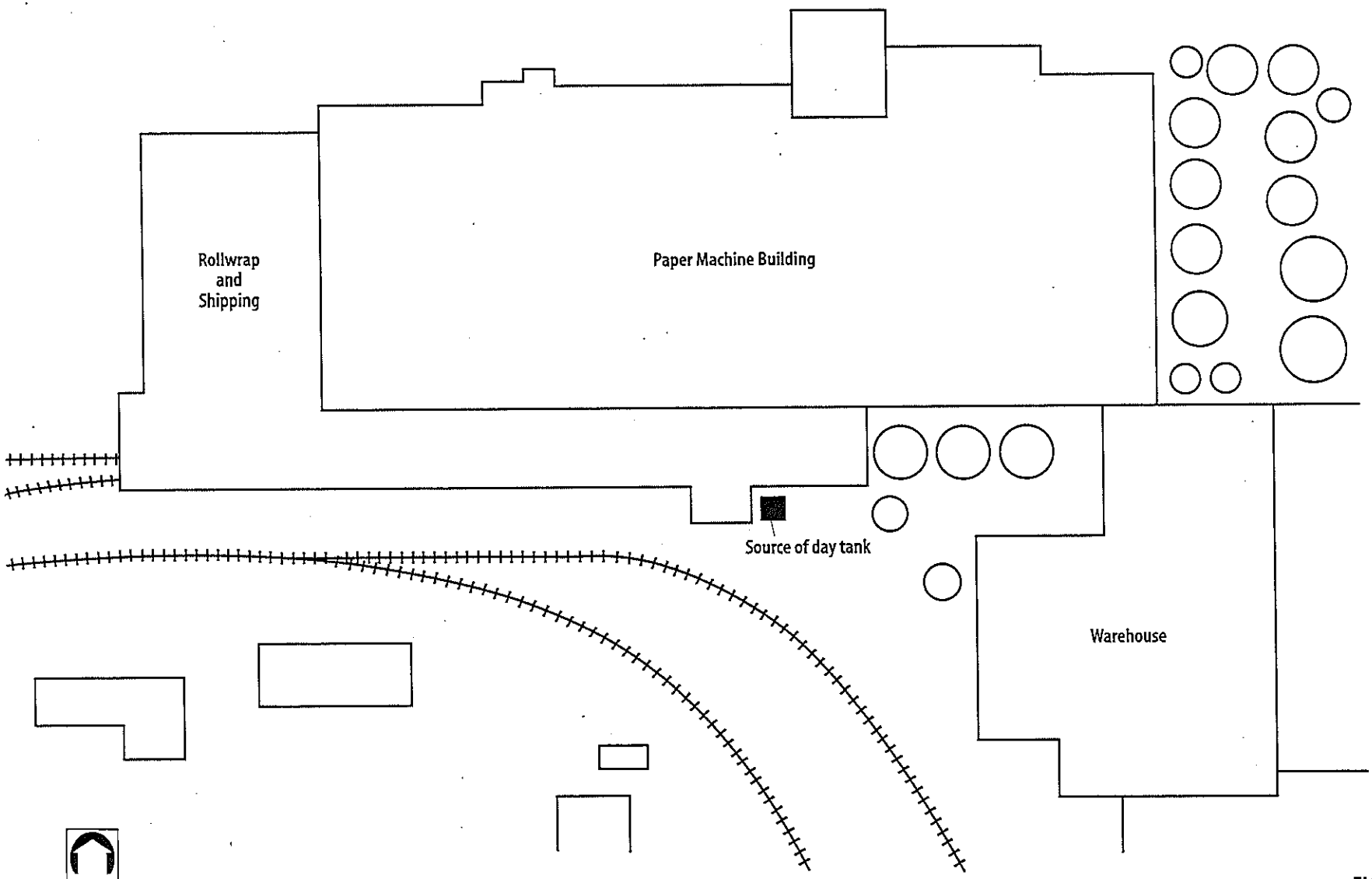


FIGURE 3
Area Map
Former Diesel Spill Area
SP Newsprint Corporation
Newberg, OR

CH2MHILL



FIGURE 4
Vicinity Well Map
Former Diesel Spill Area
SP Newsprint, Newberg, OR

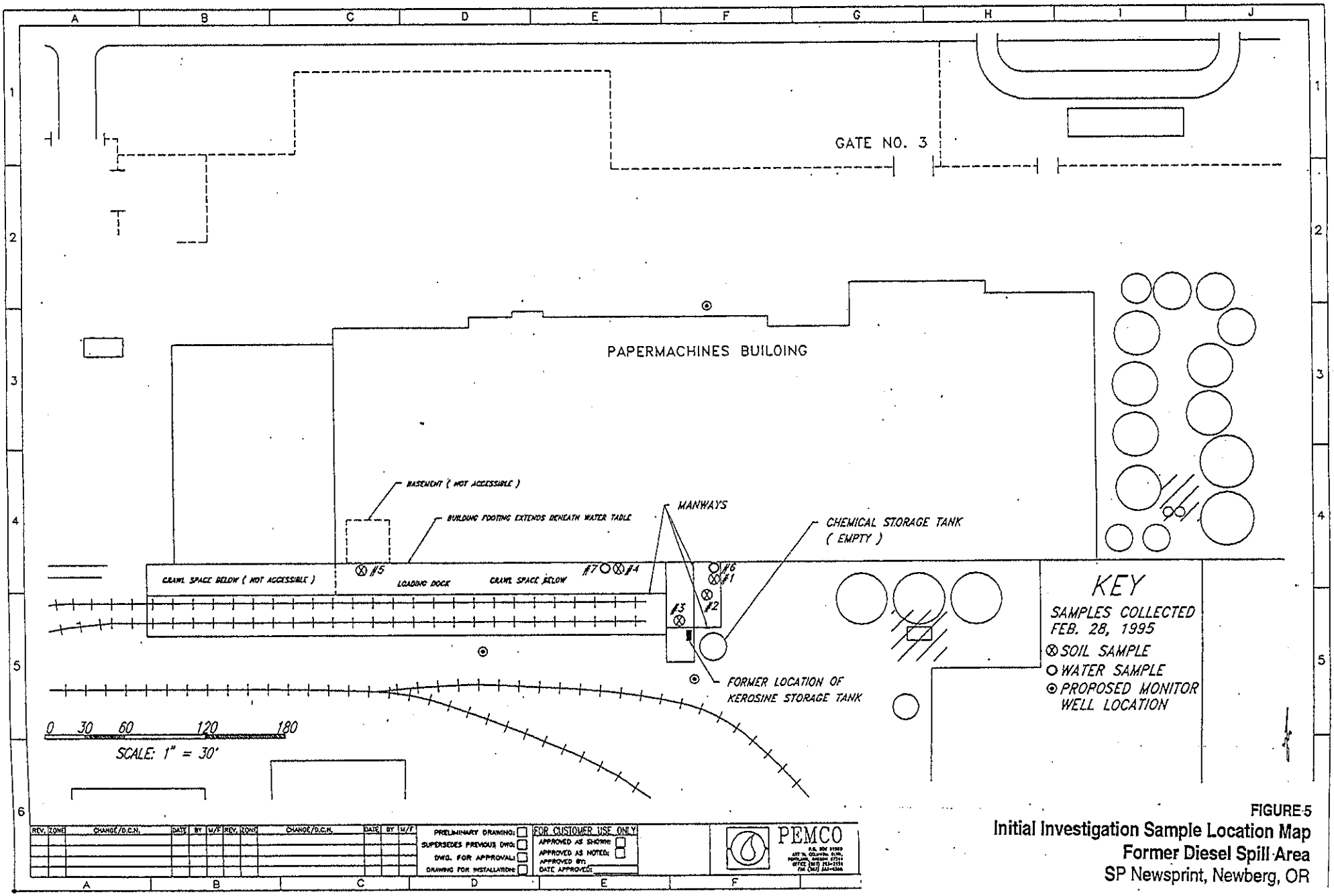


FIGURE 5
Initial Investigation Sample Location Map
Former Diesel Spill Area
SP Newsprint, Newberg, OR

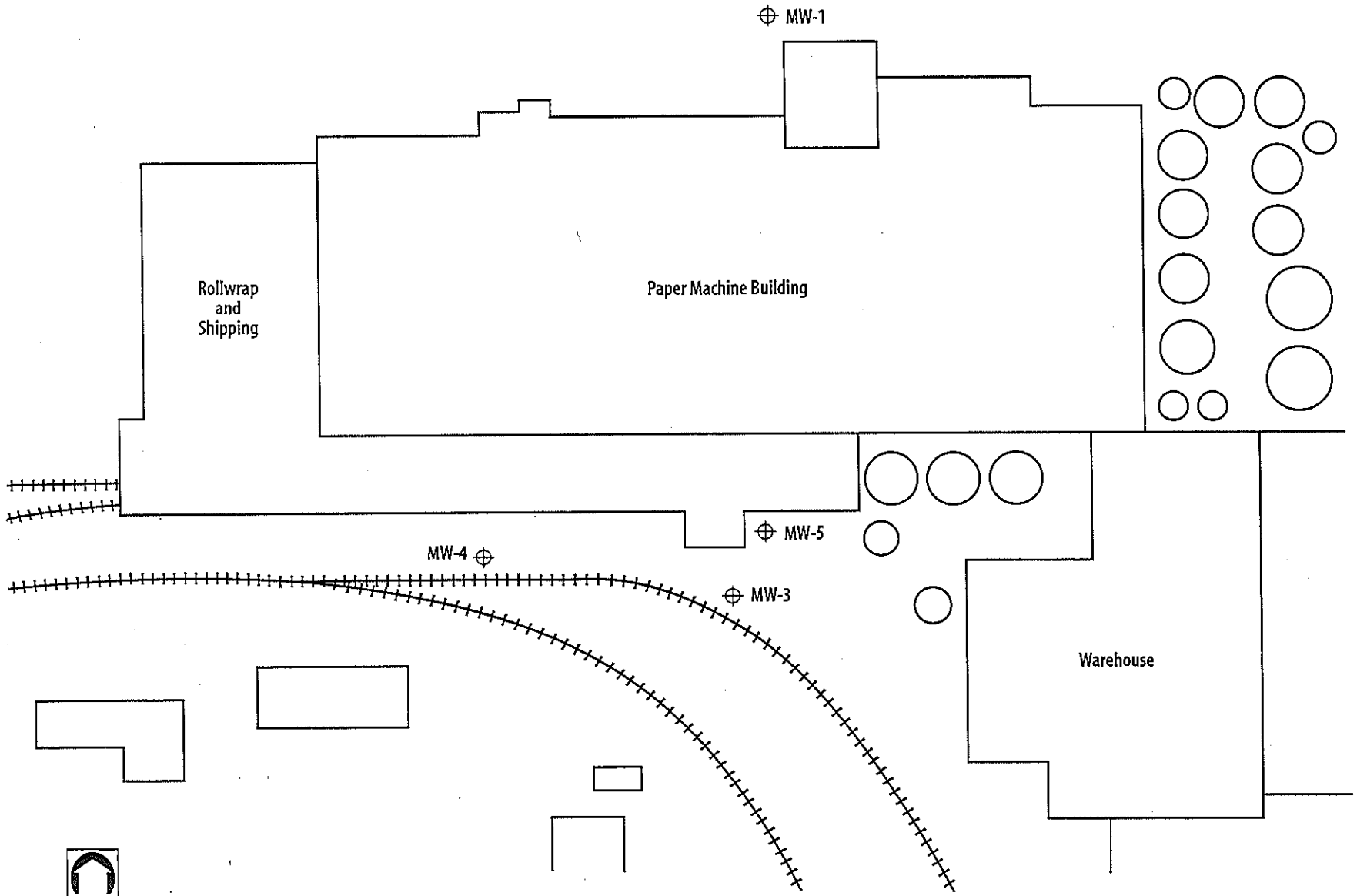


FIGURE 6
Monitoring Well Location Map
Former Diesel Spill Area
SP Newsprint Corporation
Newberg, OR

CH2MHILL

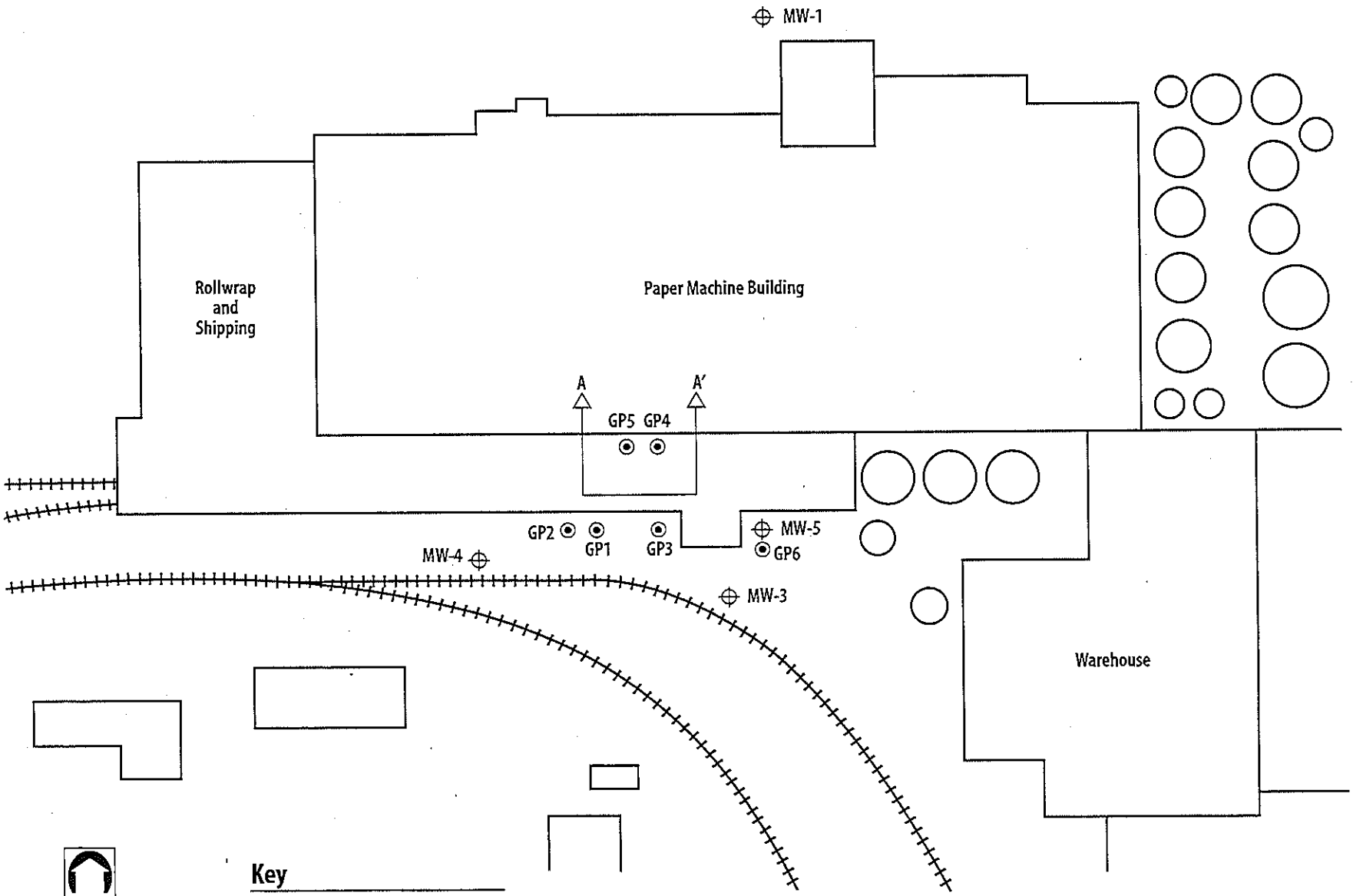


FIGURE 7
Soil Investigation Geoprobe Locations
Former Diesel Spill Area, October 2000
SP Newsprint Corporation
Newberg, OR

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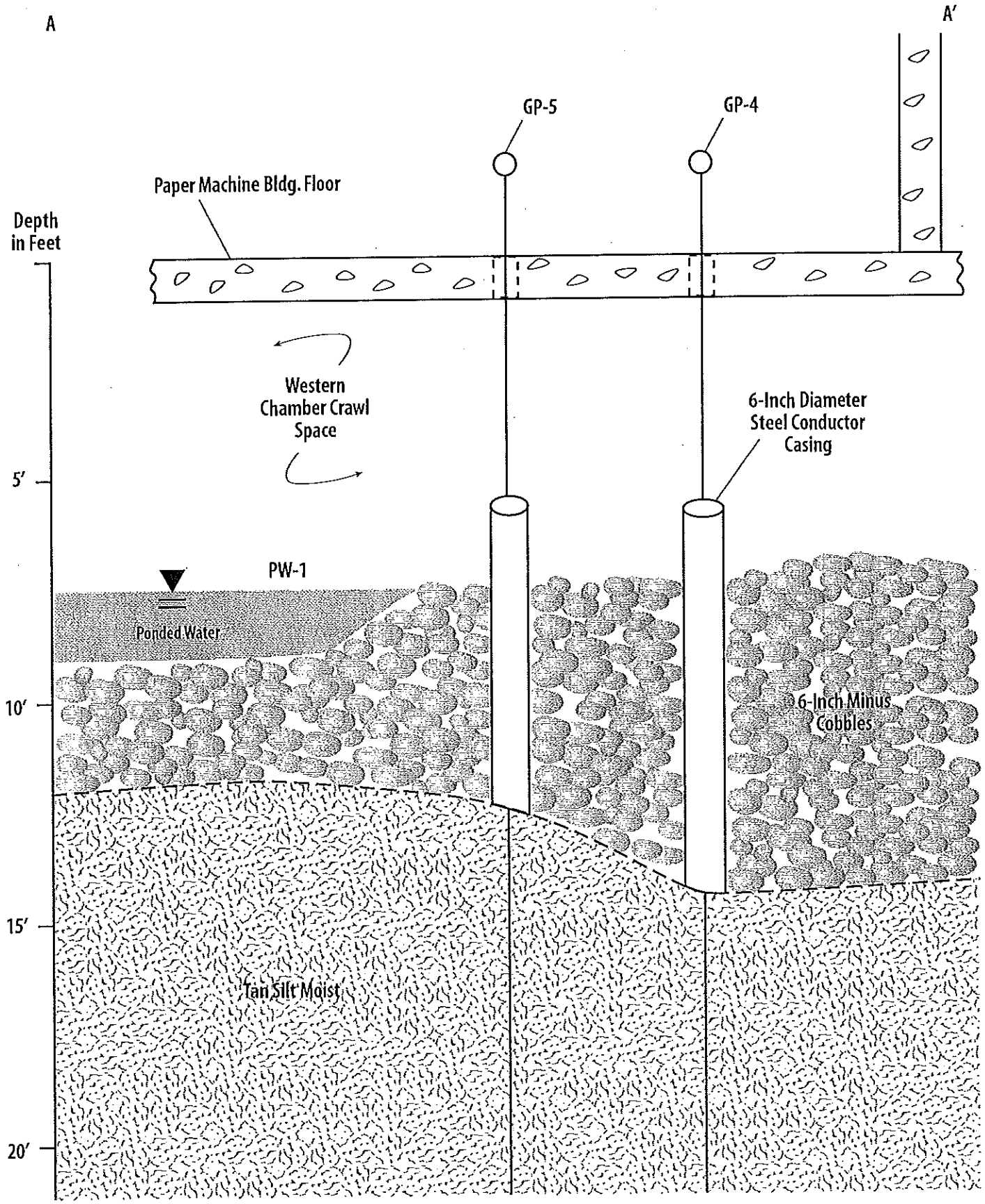


FIGURE 8
Western Chamber Cross Section
SP Newsprint Corporation
Newberg, OR

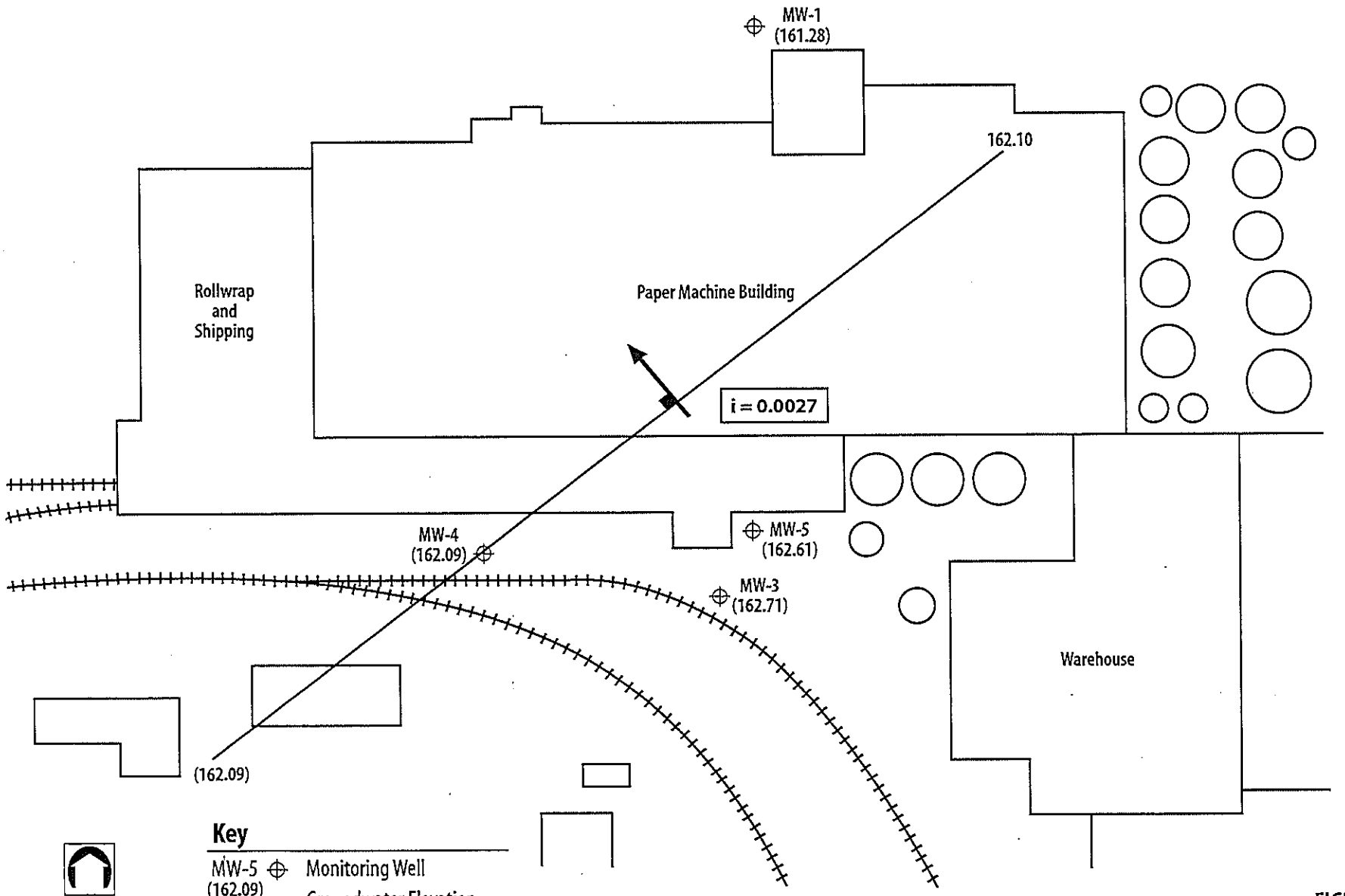


FIGURE 9
Groundwater Elevation Contour
Former Diesel Spill Area, June 1998
SP Newsprint Corporation
Newberg, OR

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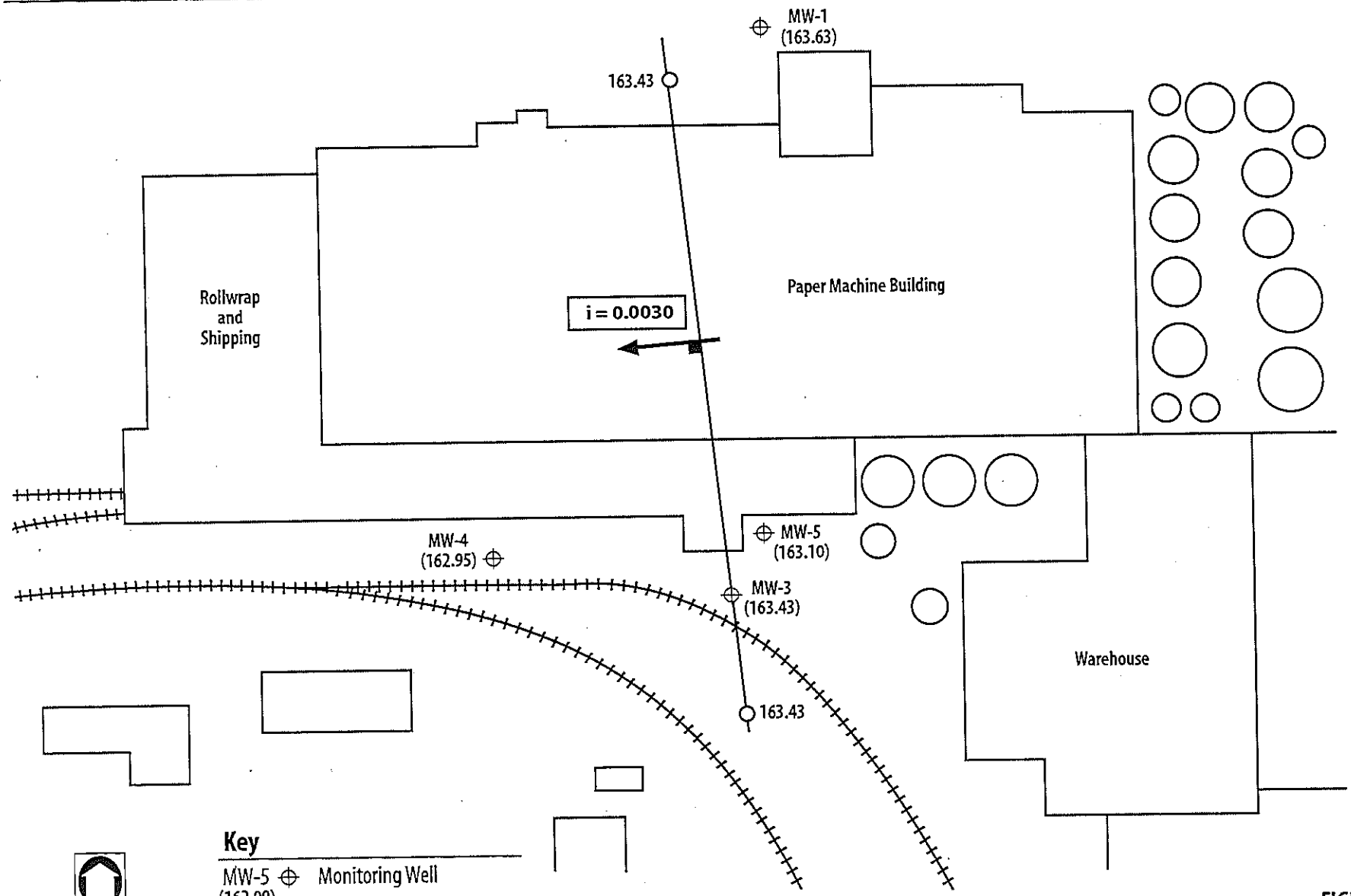


FIGURE 10
Groundwater Elevation Contour
Former Diesel Spill Area, October 1998
SP Newsprint Corporation
Newberg, OR

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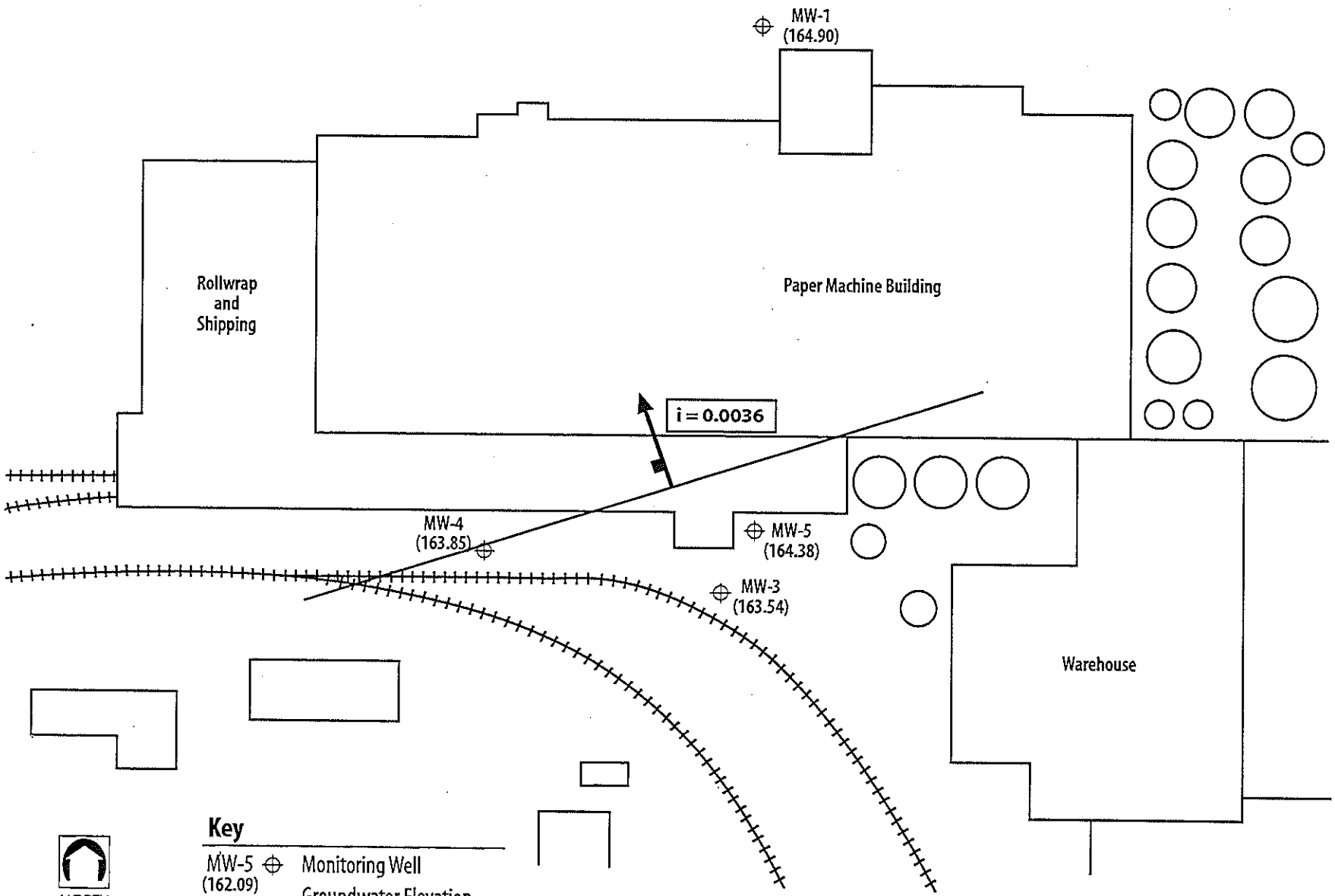


FIGURE 11
Groundwater Elevation Contour
Former Diesel Spill Area, December 1998
SP Newsprint Corporation
Newberg, OR

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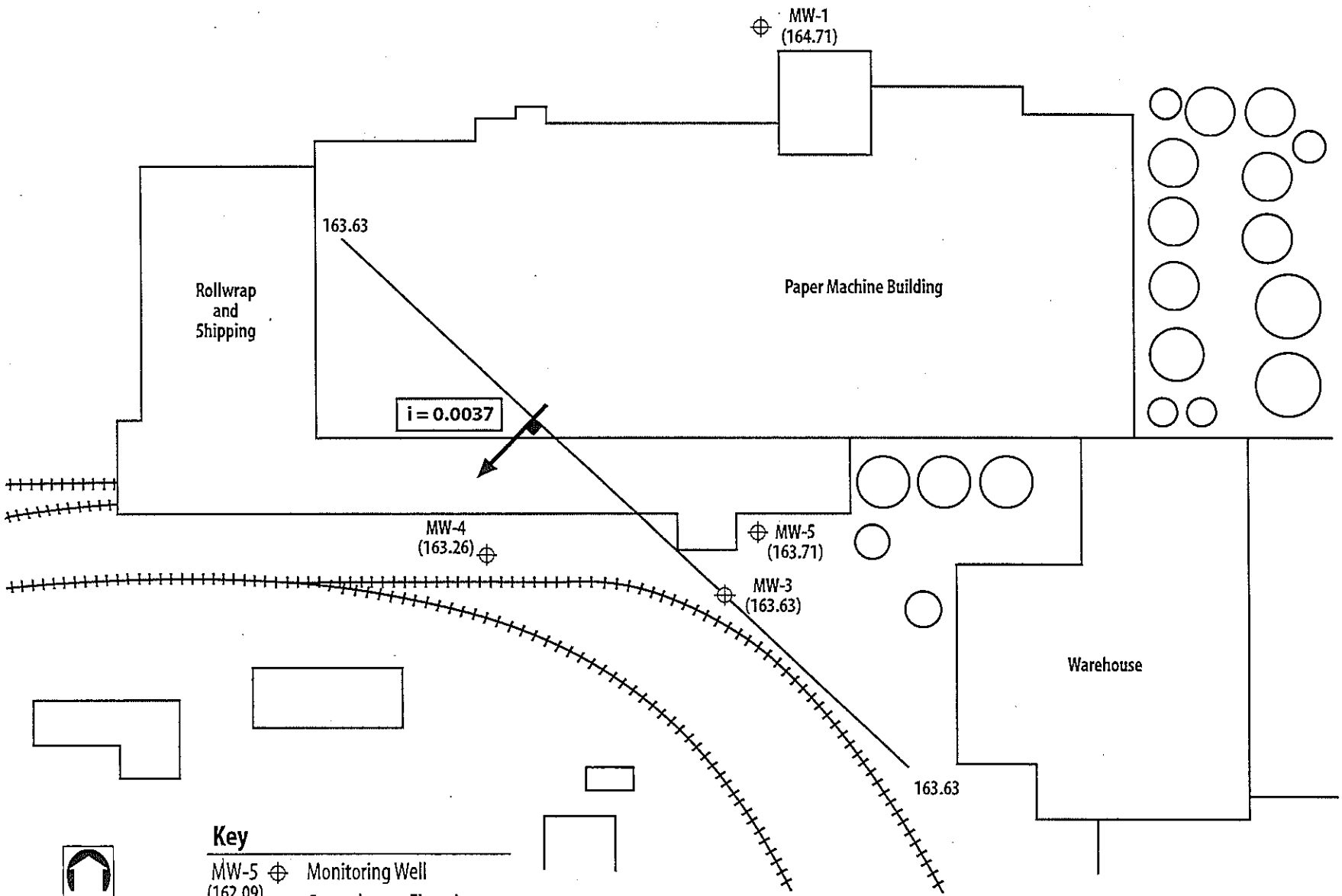


FIGURE 12
Groundwater Elevation Contour
Former Diesel Spill Area, March 1999
SP Newsprint Corporation
Newberg, OR

CH2MHILL

ATTACHMENT 1

Monitoring Well Construction Reports

Monitoring Well-1

roject Name: Smurfit
ocation:Newberg
Well/Boring #MW-1,2,3,4
ate:3/29/95
ogged by: K. Thiessen

Drilling method: HSA
Sampling method: SS
Hole Depth: 20 ft.
Hole Diameter: 8 in.
Well Depth: 20 ft.

Well Diam: 2 in.
Gravel pack: #8
Slot Size: 0.020 in.
Page 1 of 1

PEMCO
Start Card #
Job #6711

Well Completion	H2O content	Blow Count	Depth in feet	Sampled Interval/Number	Stratigraphic Section	Lithology, Observations, OVM data
						Asphalt or Gravel surface material, Gravel subgrade
plug	moist ▽	11-8-11	5	5 ft.		Silt, mottled blue/green/yellow, with very-fine grained micaceous sand partings. Higher sand content creates increased brown color. Well-compacted.
filter pack	wet	3-5-7	10	10 ft.		
	wet	2-2-4	15	15.ft.		
	wet	3-5-7	20	20 ft.		

Typical Well Log for MW-1, MW-2, MW-3, MW-4

Start Card #s	W77372
	W77373
	W77374
	W77379

STATE OF OREGON

ONITORING WELL REPORT

equired by ORS 537.765 & OAR 690-240-095)

structions for completing this report are on the last page of this form.

Start Card # 77372

OWNER/PROJECT: WELL NO. MW B 1

Smurfit Newspaper

ress 1301 Wynooski St.

Newberg State OR Zip

TYPE OF WORK:

☒ New construction ☐ Alteration (Repair/Recondition)

☐ Conversion ☐ Deepening ☐ Abandonment

DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☒ Hollow Stem Auger ☐ Other

(6) LOCATION OF WELL By legal description

Well Location: County Yamhill

Township 3 (N or S) Range 2 (E or W) Section 29

1. NE 1/4 of NW 1/4 of above section.

2. Either Street address of well location 1301 Wynooski St.

or Tax lot number of well location

3. ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

5.4 Ft. below land surface. Date 3/29/95

Artesian Pressure lb/sq. in. Date

BORE HOLE CONSTRUCTION

Special Standards Yes ☒ No ☐ Depth of completed well 20 ft.

Land surface

Vault 0 ft. TO ft.

Seal 1 ft. TO 4.0 ft.

Filter pack 1 ft. TO 20 ft.

Water-tight cover

Surface flush vault

Locking cap

Casing diameter 2 in.

material P.V.C.

Welded ☐ Threaded ☒ Glued ☐

Liner

diameter in.

material

Welded ☐ Threaded ☐ Glued ☐

Well seal:

Material Bentonite

Amount 2-50lb Bags

Grout weight

Borehole diameter 10 in.

☐ Bentonite plug at least 3 ft. thick

Screen material P.V.C.

interval(s):

From 5 To 20

From To

Slot size .020 in.

Filter pack:

Material Silica Sand

Size 7/12 in.

(8) WATER BEARING ZONES:

Depth at which water was first found

From	To	Est. Flow Rate	SWL

(9) WELL LOG: Ground elevation

Material	From	To	SWL
Asphalt & Gravel surface material Graded Subgrade	0'	6'	
Silt, mottled brn/grey/yellow w/fine-fine sand partings.	6'	20'	

Date started 3/29/95 Completed 3/29/95

WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability Yield GPM

Conductivity PH

Temperature of water 14 °F (C) Depth artesian flow found ft.

Was water analysis done? ☐ Yes ☐ No

By whom?

Depth of strata to be analyzed. From ft. to ft.

Remarks:

(unbonded) Monitor Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

MWC Number

Signed Date

(bonded) Monitor Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

MWC Number 1002

Name of supervising Geologist/Engineer Penned # 1076

Signed Randy L. Cisman Date 5/1/95

ORIGINAL & FIRST COPY WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Monitoring Well-2

Project Name: Smurfit
Location: Newberg
Well/Boring # MW-1,2,3,4
Date: 3/29/95
Logged by: K. Thiessen

Drilling method: HSA
Sampling method: SS
Hole Depth: 20 ft.
Hole Diameter: 8 in.
Well Depth: 20 ft.

Well Diam: 2 in.
Gravel pack: #8
Slot Size: 0.020 in.

Page 1 **of** 1

PEMCO

Start Card #
Job # 6711

Well Completion	H2O content	Blow Count	Depth in feet	Sampled Interval/Number	Stratigraphic Section	Lithology, Observations, OVM data
seal, bentonite plug, filter pack	moist ▽	11-8-11	5	5 ft.		Asphalt or Gravel surface material, Gravel subgrade
	wet	3-5-7	10	10 ft.		Silt, mottled blue/green/yellow, with very-fine grained micaceous sand partings. Higher sand content creates increased brown color. Well-compacted.
	wet	2-2-4	15	15.ft.		
	wet	3-5-7	20	20 ft.		

Typical Well Log for MW-1, MW-2, MW-3, MW-4

Start Card #s	W77372
	W77373
	W77374
	W77379

STATE OF OREGON

MONITORING WELL REPORT

as required by ORS 537.765 & OAR 690-240-095)

Instructions for completing this report are on the last page of this form.

Start Card # 77373

(1) OWNER/PROJECT: WELL NO. MW #2

Name Smurfit Newspaper

Address 1301 Wynooski St.

City Newberg State OR Zip

(2) TYPE OF WORK:

☒ New construction ☐ Alteration (Repair/Recondition)

☐ Conversion ☐ Deepening ☐ Abandonment

(3) DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☒ Hollow Stem Auger ☐ Other

(4) BORE HOLE CONSTRUCTION

Special Standards Yes ☒ No ☐ Depth of completed well 20 ft.

Land surface

Vault 0 ft. TO 1 ft.

Seal 1 ft. TO 4 ft.

Filter pack 1 ft. TO 20 ft.

Water-tight cover

Surface flush vault

Locking cap

Casing diameter 2 in.

material P.V.C.

Welded ☐ Threaded ☒ Glued ☐

Liner

diameter ____ in.

material ____

Welded ☐ Threaded ☐ Glued ☐

Well seal:

Material Concrete

Amount 1 Cu. Yard

Grout weight ____

Borehole diameter 10 in.

Bentonite plug at least 3 ft. thick

Screen

material P.V.C.

interval(s):

From 5 To 20

From ____ To ____

Slot size .020 in.

Filter pack:

Material Silica Sand

Size 8/12 in.

(5) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability ____ Yield ____ GPM

Conductivity ____ PH ____

Temperature of water 11.1 °F/C Depth artesian flow found ____ ft.

Was water analysis done? ☐ Yes ☐ No

By whom? ____

Depth of strata to be analyzed. From ____ ft. to ____ ft.

Remarks: ____

Name of supervising Geologist/Engineer Randy Hoffman

(6) LOCATION OF WELL By legal description

Well Location: County Yamhill

Township 3 (N or S) Range 2 (E or W) Section 29

1. NE 1/4 of NW 1/4 of above section.

2. Either Street address of well location 1301 Wynooski St.

or Tax lot number of well location ____

3. ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

5.4 Ft. below land surface. Date 3/29/95

Artesian Pressure ____ lb/sq. in. Date ____

(8) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Est. Flow Rate	SWL

(9) WELL LOG: Ground elevation ____

Material	From	To	SWL
Asphalt & Gravel Backfill	0'	6'	
Silt, wet @ 6' Very slow drilling fine grained micaceous sand Bentonite Grout Completed	6'	20'	

Date started 3/29/95 Completed 3/29/95

(unbonded) Monitor Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

MWC Number ____

Signed ____ Date ____

(bonded) Monitor Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

MWC Number 1001

Signed Randy L. Hoffman Date 5/1/95

SECOND COPY CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON
MONITORING WELL REPORT
(as required by ORS 537.765 & OAR 690-240-095)

Original Start Card # 77379

Start Card # 42704

(1) OWNER/PROJECT: WELL NO. MW-2

Name Small's Marysville Mobil

Address 1501 Wilcoski St

City Newberg State OR Zip 97132

(2) TYPE OF WORK:

☐ New construction ☐ Repair ☐ Recondition
☐ Conversion ☐ Deepening ☒ Abandonment

(3) DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Hollow Stem Auger ☒ Other Excavation

(4) BORE HOLE CONSTRUCTION

Special Standards Yes ☒ No ☐ Depth of completed well 20 ft.

Land surface

Vault 0 ft. TO 1 ft.

Seal ____ ft. TO ____ ft.

Filter pack ____ ft. TO ____ ft.

- Water-tight cover
- Surface flush vault
- Locking cap
- Casing diameter 2 in. material Sch 40 PVC
  Welded ☐ Threaded ☒ Glued ☐
- Liner diameter N/A in. material ____
  Welded ☐ Threaded ☐ Glued ☐
- Well seal: Material Bentonite Amount ____
- Borehole diameter ____ in.
- Bentonite plug at least 2 ft. thick
- Screen material ____ interval(s): From ____ To ____ From ____ To ____ Slot size ____ in.
- Filter pack: Material ____ Size ____ in.

(5) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability ____ Yield ____ GPM

Conductivity ____ PH ____

Temperature of water ____ °F/C Depth artesian flow found ____ ft.

Was water analysis done? ☐ Yes ☐ No

By whom? ____

Depth of strata to be analyzed. From ____ ft. to ____ ft.

Remarks: ____

Name of supervising Geologist/Engineer ____

(6) LOCATION OF WELL By legal description

Owner Well Location: County Yamhill

Township 3 (N or S) Range 2 (E or W) Section 17

1. NE 1/4 of NW 1/4 of above section.
2. Street address of well location 1501 Wilcoski St
3. Tax lot number of well location ____
4. ATTACH MAP WITH LOCATION IDENTIFIED.

(7) STATIC WATER LEVEL: ____ Ft. below land surface. Date 3/23/95

Artesian Pressure ____ lb/sq. in. Date ____

(8) WATER BEARING ZONES: Depth at which water was first found ____

From	To	Est. Flow Rate	SWL

(9) WELL LOG: Ground elevation ____

Material	From	To	SWL
Landoned by removal.			
Well was			
Well was from			
a damaged sewer line at			
12 feet below grade. The area			
was excavated 4ft x 8ft, the			
casing removed, and the sewer			
line repaired.			

Date started 3/23/95 Completed 3/24/95

(unbonded) Monitor Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

MWC Number ____

Signed ____ Date ____

(bonded) Monitor Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

MWC Number 1149

Signed Bill Kauth Date 4/11/95

WELL CONSTRUCTOR THIRD COPY-CUSTOMER

Monitoring Well-3

Project Name: Smurfit
Location: Newberg
Well/Boring # MW-1,2,3,4
Date: 3/29/95
Logged by: K. Thiessen

Drilling method: HSA
Sampling method: SS
Hole Depth: 20 ft.
Hole Diameter: 8 in.
Well Depth: 20 ft.

Well Diam: 2 in.
Gravel pack: #8
Slot Size: 0.020 in.

Page 1 **of** 1

PEMCO

Start Card #
Job # 6711

Well Completion	H2O content	Blow Count	Depth in feet	Sampled Interval/Number	Stratigraphic Section	Lithology, Observations, OVM data
bentonite seal, plug, filter pack	moist ▽	11-8-11	5	5 ft.		Asphalt or Gravel surface material, Gravel subgrade
	wet	3-5-7	10	10 ft.		Silt, mottled blue/green/yellow, with very-fine grained micaceous sand partings. Higher sand content creates increased brown color. Well-compacted.
	wet	2-2-4	15	15 ft.		
	wet	3-5-7	20	20 ft.		

Typical Well Log for MW-1, MW-2, MW-3, MW-4

Start Card #s W77372
W77373
W77374
W77379

STATE OF OREGON

MONITORING WELL REPORT

(as required by ORS 537.765 & OR 690-240-095)

Start Card # 77314

Instructions for completing this report are on the last page of this form.

(1) OWNER/PROJECT:

WELL NO. MW#3

Name Smurfit Newspaper

Address 1301 Wynooski St.

City Newberg State OR Zip

(2) TYPE OF WORK:

☒ New construction ☐ Alteration (Repair/Recondition)

☐ Conversion ☐ Deepening ☐ Abandonment

(3) DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☒ Hollow Stem Auger ☐ Other

(6) LOCATION OF WELL By legal description

Well Location: County Yamhill

Township 3 (N or S) Range 2 (E or W) Section 29

1. NE 1/4 of NW 1/4 of above section.

2. Either Street address of well location 1301 Wynooski St.

or Tax lot number of well location

3. ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

5.4 Ft. below land surface. Date 3/29/95

Artesian Pressure _____ lb/sq. in. Date _____

BORE HOLE CONSTRUCTION

Special Standards ☒ Yes ☐ No

Depth of completed well 20 ft.

Land surface

Vault 0 ft. TO 1 ft.

Seal 1 ft. TO 4 ft.

Filter pack 1 ft. TO 20 ft.

Water-tight cover

Surface flush vault

Locking cap

Casing diameter 2 in.

material P.V.C.

Welded ☐ Threaded ☒ Glued ☐

Liner

diameter _____ in.

material _____

Welded ☐ Threaded ☐ Glued ☐

Well seal:

Material Bentonite

Amount 9-50 lbs bags

Grout weight _____

Borehole diameter 10 in.

☐ Bentonite plug at least 3 ft. thick

Screen

material P.V.C.

interval(s):

From 5 To 20

From _____ To _____

Slot size .020 in.

Filter pack:

Material Silica Sand

Size 7/12 in.

(8) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Est. Flow Rate	SWL

(9) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Asphalt Gravel	0'	6'	
Backfill			
Silt, mottled brn/grey yellow w/clay fine grained micaceous, well compacted	6'	20'	

Date started 3/29/95 Completed 3/29/95

(5) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability _____ Yield _____ GPM

Conductivity _____ PH _____

Temperature of water 14 °F (C) Depth artesian flow found _____ ft.

Was water analysis done? ☐ Yes ☐ No

By whom? _____

Depth of strata to be analyzed. From _____ ft. to _____ ft.

Remarks: _____

Name of supervising Geologist/Engineer Pennco # 1076

(unbonded) Monitor Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

MWC Number 1020

Signed _____ Date 4/4/95

(bonded) Monitor Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construct standards. This report is true to the best of my knowledge and belief.

MWC Number 100

Signed Randy L. Cisna Date 5/1/95

Monitoring Well-4

Project Name: Smurfit
Location:Newberg
Well/Boring #MW-1,2,3,4
Date:3/29/95
Logged by: K. Thiessen

Drilling method: HSA
Sampling method: SS
Hole Depth: 20 ft.
Hole Diameter: 8 in.
Well Depth: 20 ft.

Well Diam: 2 in.
Gravel pack: #8
Slot Size: 0.020 in.
Page 1 of 1

PEMCO
Start Card #
Job #6711

Well Completion	H2O content	Blow Count	Depth in feet	Sampled Interval/Number	Stratigraphic Section	Lithology, Observations, OVM data
Bentonite seal; plug; filter pack	moist ▽	11-8-11	5	5 ft.		Asphalt or Gravel surface material, Gravel subgrade
	wet	3-5-7	10	10 ft.		Silt, mottled blue/green/yellow, with very-fine grained micaceous sand partings. Higher sand content creates increased brown color. Well-compacted.
	wet	2-2-4	15	15.ft.		
	wet	3-5-7	20	20 ft.		

Typical Well Log for MW-1, MW-2, MW-3, MW-4

Start Card #s W77372
W77373
W77374
W77379

STATE OF OREGON

MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-095)

Start Card # 77379

Instructions for completing this report are on the last page of this form.

(1) OWNER/PROJECT:

WELL NO. MW#4

Name Sunset Newspaper

Address 1301 Wynooski St.

City Newberg State OR Zip

(2) TYPE OF WORK:

☒ New construction ☐ Alteration (Repair/Recondition)

☐ Conversion ☐ Deepening ☐ Abandonment

(3) DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☒ Hollow Stem Auger ☐ Other

(4) BORE HOLE CONSTRUCTION

Special Standards Yes ☐ No ☒ Depth of completed well 30 ft.

Land surface

Vault 0 ft. TO 1 ft.

Seal 1 ft. TO 3 ft.

Filter pack 3 ft. TO 20 ft.

Water-tight cover

Surface flush vault

Locking cap

Casing diameter 2 in.

material P.V.C.

Welded ☐ Threaded ☒ Glued ☐

Liner

diameter ____ in.

material ____

Welded ☐ Threaded ☐ Glued ☐

Well seal:

Material Bentonite

Amount 1.5 5-gallon bags

Grout weight ____

Borehole diameter 10 in.

Bentonite plug at least 3 ft. thick

Screen

material P.V.C.

interval(s):

From 4 To 20

From ____ To ____

Slot size .020 in.

Filter pack:

Material Silica Sand

Size #1 x in.

(5) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability ____ Yield ____ GPM

Conductivity ____ PH ____

Temperature of water 14 °F/C Depth artesian flow found ____ ft.

Was water analysis done? ☐ Yes ☐ No

By whom?

Depth of strata to be analyzed. From ____ ft. to ____ ft.

Remarks:

Name of supervising Geologist/Engineer Randy L. Christensen

(6) LOCATION OF WELL By legal description

Well Location: County Yamhill

Township 3 (N or S) Range 2 (E or W) Section 29

1. NE 1/4 of NW 1/4 of above section.

2. Either Street address of well location 1201 Wynooski St

or Tax lot number of well location

3. ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

11.10 Ft. below land surface. Date 4/10/95

Artesian Pressure ____ lb/sq. in. Date ____

(8) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Est. Flow Rate	SWL

(9) WELL LOG:

Ground elevation ____

Material	From	To	SWL
Asphalt & Gravel	0'	6'	
Subgrade.			
Light gray/blue/green silty clay w/trace fine grained sand & occas. gravel	6'	20'	

Date started 4/10/95 Completed 4/10/95

(unbonded) Monitor Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.

MWC Number 1071

Signed [signature] Date 5/1/95

(bonded) Monitor Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

MWC Number 1001

Signed Randy L. Christensen Date 5/1/95

Monitoring Well-5

Project Name: Smurfit | **Drilling method:hand aug.** | **Well Diam: 2 in.**
Location:Newberg | **Sampling method:hand aug.** | **Gravel pack: #8-12**
Well/Boring #MW-5 | **Hole Depth: 11 ft.** | **Slot Size: 0.020 in.**
Date:8/30/95 | **Hole Diameter: 3 in.** | **Special standards used**
Logged by: K. Thiessen | **Well Depth: 11 ft.** | **Page 1 of 1**

PEMCO

Start Card #W42667
Job #6711

Well Completion	H2O content	Blow Count	Depth in feet	Sampled Interval/Number	Stratigraphic Section	Lithology, Observations, OVM data
seal, plug, filter pack	moist; wet		5, 10, 15, 20	2.5 ft.; 5 ft.; 8.ft.		Silt, mottled blue/green/yellow, with very-fine grained micaceous sand partings.

STATE OF OREGON
MONITORING WELL REPORT
as required by ORS 537.765 & OAR 690-240-095)

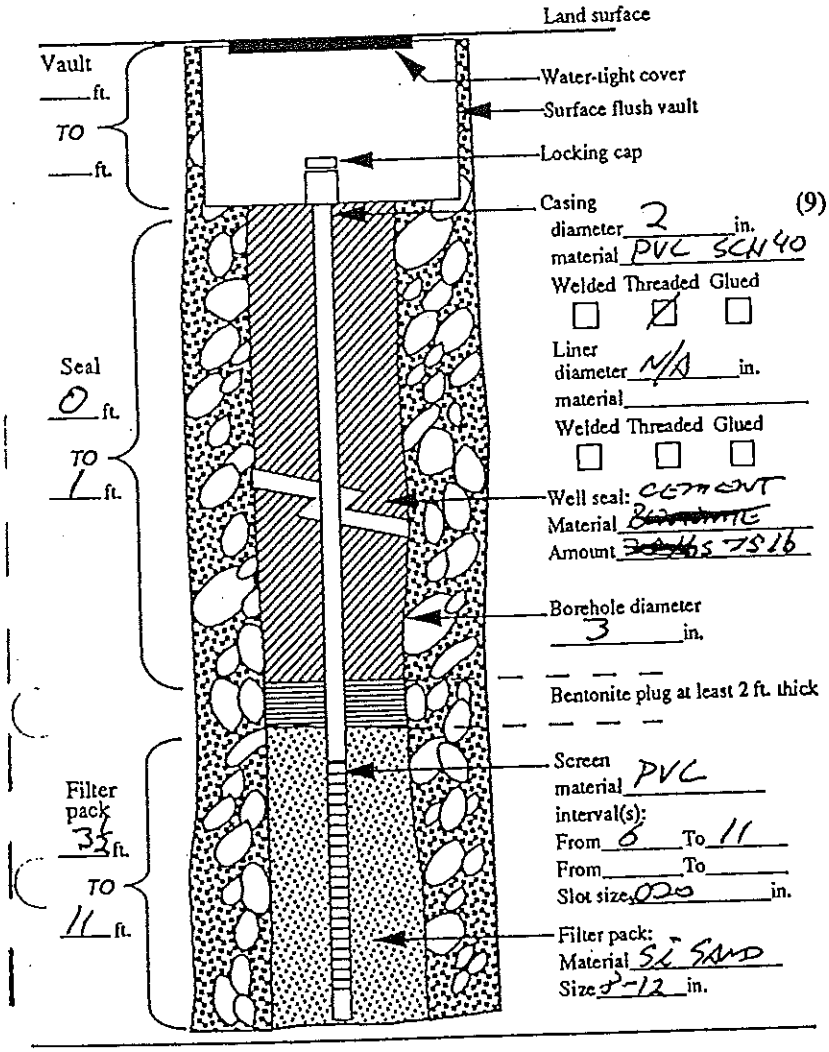
Start Card # 42667

(1) OWNER/PROJECT: WELL NO. MW-5
Name SMURFIT NEWSPRINT CORP.
Address 1301 WYNOOSKI ST.
City NEWBERG State OR Zip 97132

(2) TYPE OF WORK:
☒ New construction ☐ Repair ☐ Recondition
☐ Conversion ☐ Deepening ☐ Abandonment

(3) DRILLING METHOD
☐ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Hollow Stem Auger ☒ Other HAND AUGER

(4) BORE HOLE CONSTRUCTION
Special Standards Yes ☒ No ☐ Depth of completed well 11 ft.



(5) WELL TEST:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Permeability Yield GPM
Conductivity PH
Temperature of water 58 °F/C Depth artesian flow found ft.
Was water analysis done? ☐ Yes ☒ No
By whom?
Depth of strata to be analyzed. From ft. to ft.
Remarks:
Name of supervising Geologist/Engineer KEN THIESSON

(6) LOCATION OF WELL By legal description
Well Location: County YAMHILL
Township 3 (N or S) Range 2 (E or W) Section 29
1. NE 1/4 of NW 1/4 of above section.
2. Street address of well location 1301 WYNOOSKI ST
3. Tax lot number of well location
4. ATTACH MAP WITH LOCATION IDENTIFIED.

(7) STATIC WATER LEVEL:
8 Ft. below land surface. Date 8/30/95
Artesian Pressure lb/sq. in. Date

(8) WATER BEARING ZONES:
Depth at which water was first found 8 FT

From	To	Est. Flow Rate	SWL

(9) WELL LOG: Ground elevation

Material	From	To	SWL
IMPORTED SOIL/GRAVEL	0	1	
MOTTLED SILT	1	11	8 FT

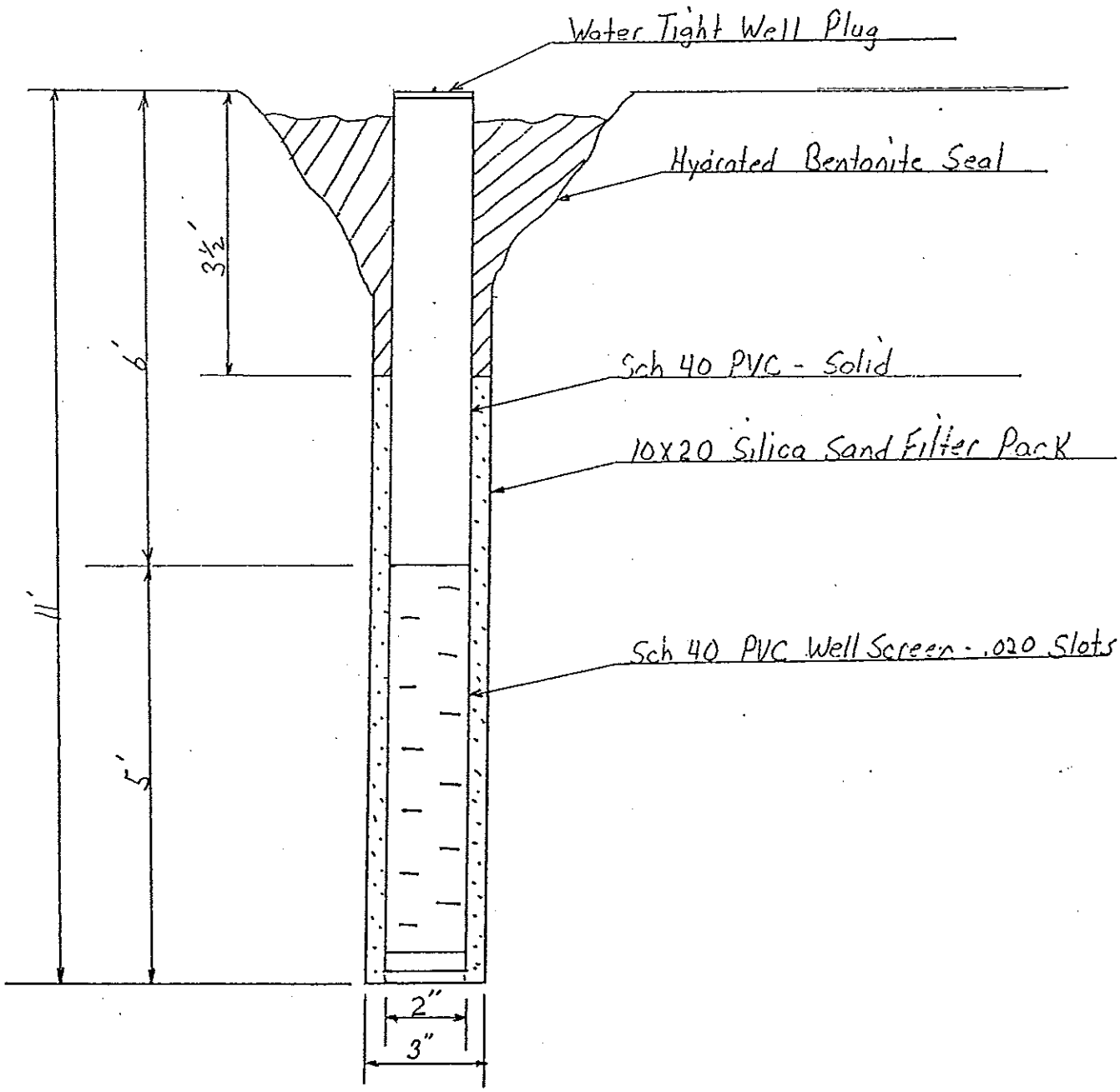
Date started 8/29/95 Completed 8/30/95

(unbonded) Monitor Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.
MWC Number 10327
Signed Date 9/29/95

(bonded) Monitor Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
MWC Number 10149
Signed Date 9/29/95

WHITE COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Special Standards Well Design- Smurfit Newsprint



396-3121
X 054

STATE OF OREGON
WATER RESOURCES DEPARTMENT

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT INCLUDED IN THE RULES AND REGULATIONS PRESCRIBING GENERAL STANDARDS FOR THE CONSTRUCTION AND MAINTENANCE OF WELLS IN OREGON

Before approval can be considered the following questions must be answered.

Requests shall be submitted to the Watermaster Division, 3850 Portland Road, NE, Salem, OR 97310.

Date: 8/30/95

Well Constructor: Bill Knutson, P.E.
PEMCO · 437 N. Columbia Blvd. Portland OR 97217

(1) Location of Well: NE 1/4 NW 1/4 of Section 29,
Township 3 S, Range 2 W, Yamhill County.
Address at well site or nearest known address: 1301 Wynooski St
Newberg, OR 97132

(2) Name and address of Landowner: Smurfit Newsprint
1301 Wynooski St
Newburg, OR 97132

(3) The distance to the nearest well and septic drainfield: 50 ft from nearest Monitoring well. No Water Wells or septic on site

(4) The unusual conditions existing at the well site: Minimal access area. Hardauserings required. Diesel product encountered during installation of geotechnical hole. Installation of well required while boring was open for recovery and measurement of product.

(5) The proposed construction methods that the well constructor or landowner constructing the well believes will be adequate for his particular well:
A 2 inch well in a 8 inch augered hole. Slot from 11 ft to 6 ft, solid from 6 ft to surface. Sand from 11 ft to 3½ ft. Bentonite from 3½ ft to surface.
See Attached Schematic

8/31/95 - Prepare staff to Tracy Cuff
9/5/95 - Update Rob Carter
} for approval instructions

Oregon

WATER
RESOURCES
DEPARTMENT

March 31, 1995

Crisman Drilling
Ford Stigall
PO Box 1534
Tualatin, OR 97062

Dear Mr. Stigall:

The Water Resources Department has received your request for special standards on a Smuirfit Newspaper monitoring well located at T 3 S, R 2 W, Section 29, 1301 Wynooski St., Newberg, OR.

Due to a high water table and a need to screen across the static water level, you are proposing to seal this well to only three feet below land surface. The seal will consist of two feet of bentonite below the surface vault seal.

Your request is approved as submitted. If you have any questions concerning this letter, please contact me by phone at (503) 378-8455 ext 221, by fax at (503) 378-8130, or by letter at 158 12th Street, Salem, OR, 97310.

Sincerely,

Richard D. Edwards

Richard D. Edwards
Northwest Region Well Inspector

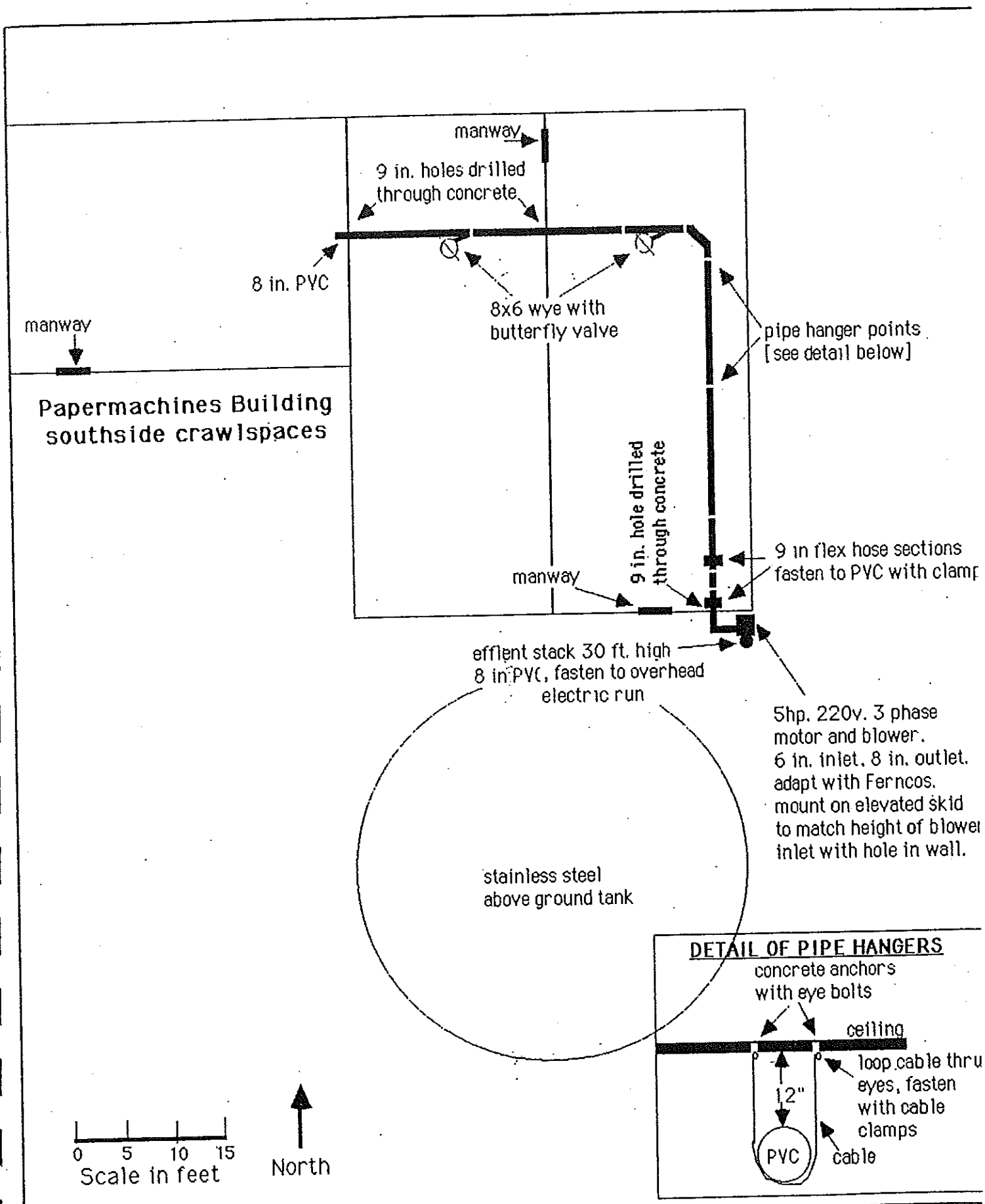
cc: Tom Paul, NW Region Manager
Rob Carter, Well Construction Specialist
Tracy Eichenlaub, Monitor Well Inspector

a:crisman.ss

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

ATTACHMENT 2

Vapor Extraction System As-Built Drawings



Smurfit Newspring Corp. 1301 Wynooski St. Newberg, Oregon	Vapor Extraction System Schematic	12/7/1995 PEMCO Project: 6711-9C

ATTACHMENT 3

Fall 2000 Investigation Geologic Logs

PROJECT NUMBER	BORING NUMBER	
161177	GP-1	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
	0-4	48		Not applicable	6 inches of asphalt base coarse over 6 inches of Brown Silty Medium Sand	FID = 0 ppm
2					2 feet of Brown Stiff Silt (moist)	
					1 foot of Gray Stiff Clay	FID = 35 ppm
4	4-8	48		Not applicable	2 feet of Gray Stiff Clay	Collect composite Soil Sample from 4-6 foot depth interval for TPH-Dx analysis [GP-1-4-6]
6					2 feet of Stiff Tan Clay	
8	8-12	48		Not applicable	2 feet of Gray Clay	FID = 50 ppm
10					2 feet of Tan Silt	Collect composite Soil Sample from 10-12 foot depth interval for TPH-Dx analysis [GP-1-10-12]
12					End of boring = 12 feet No Groundwater Encountered	

PROJECT NUMBER	BORING NUMBER	
161177	GP-2	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
2	0-4	48		Not applicable	6 inches of asphalt base coarse over 6 inches of Brown Silty Medium Sand 3 feet of Gray Clay	FID = 50 ppm
4						
6	4-8	48		Not applicable	4-feet of Tan Stiff Silty Clay	FID = 1 ppm
8						
10	8-12	36		Not applicable	2 feet of Fine Sandy Silt (wet) 1 foot of Gray Fine Sandy Silt	FID = 1 ppm
12						
					End of boring = 12 feet No groundwater encountered	

PROJECT NUMBER	BORING NUMBER	
161177	GP-3	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
2	0-4	48		Not applicable	6 inches of asphalt base coarse over 6 inches of Brown Silty Medium Sand 3 feet of Gray Clay	FID = 115 ppm likely a result of natural organic matter
4						
6	4-8	48		Not applicable	2.5 feet of stiff gray Clay 1.5 feet of soft Silt with some fine sand (moist)	FID = 30 ppm
8						
10	8-12	48		Not applicable	4 feet of tan soft Silt with some fine sand (Moist)	FID = 35 ppm
12					End of boring = 12 feet No groundwater encoutered	

PROJECT NUMBER	BORING NUMBER	
161177	GP-4	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
1	0-7				7 of feet Large Cobbles 6 inch minus with Silt embedded within matrix. Fully saturated from ponded water	No Sampling - Media excavated by hand to a depth of 7 feet below grade
2						
3						
4						
5						
6						
7						
8	7-9				2 feet of Tan Silt (fully saturated)	No Sampling - Media excavated by hand to a depth of 7 feet below grade
9						
10	9-11				2 feet Tan Silt (fully saturated)	Collect Soil Sample (GP-4-16-18) for Analysis of TPH-Dx
11						
12	11-13				2 feet Tan Silt with some fine sand (fully saturated)	FID = 1 ppm
13						
14	13-15				2 feet of Tan Sandy Silt (moist)	FID = 5 ppm Collect Soil Sample (GP-4-18-22) for Analysis of TPH-Dx-composite of the 11-15 foot depth interval
15						

PROJECT NUMBER	BORING NUMBER	
161177	GP-5	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
1	0-7	0			7 of feet Large Cobbles 6 inch minus with Silt embedded within matrix. Fully saturated from ponded water	No Sampling - Media excavated by hand to a depth of 7 feet below grade
2						
3						
4						
5						
6						
7						
8	7-9	12			Tan Silt (Moist)	
9						
10	9-11	12			Tan Silt (Moist)	FID = 5 ppm Collect Soil Sample (GP-5-14-18) for Analysis of TPH-Dx-composite of the 7-11 foot depth interval
11						
12	11-13	24			2 feet Tan Silt with some Fine Sand (fully saturated)	FID = 5 ppm
13						
14	13-15	24			2 feet of Tan Silt with some Fine Sand (fully saturated)	FID = 5 ppm Collect Soil Sample (GP-4-18-22) for Analysis of TPH-Dx-composite of the 11-15 foot depth interval
15						

PROJECT NUMBER	BORING NUMBER	
161177	GP-6	SHEET 1 OF 1

Geologic Log

PROJECT : Diesel Spill Area LOCATION : Newburg OR

ELEVATION : DRILLING CONTRACTOR Geotech Explorations Inc.

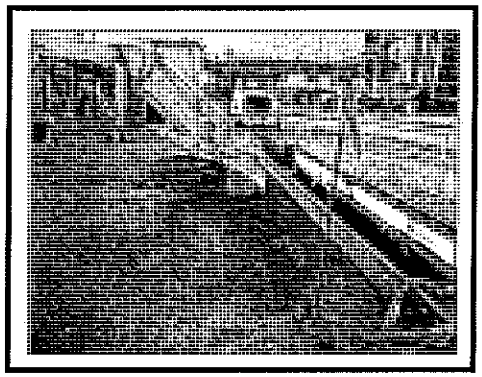
DRILLING METHOD AND EQUIPMENT USED Geoprobe

WATER LEVELS : START : LOGGER : David Mustonen

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	CORE DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
2	0-2	6		Not applicable	6 inches of Silty Gravel	
4	2-4	24		Not applicable	2 feet of Stiff Gray Clay	FID = 500 ppm Collect sample (GP-6-2-4) for analysis of TPH-Dx from 2 to 4 foot depth interval
6	4-6			Not applicable	2 feet of stiff Gray Clay	FID = 200 ppm
8	6-8	24		Not applicable	2 feet of medium strength Gray Clay	FID = 800 ppm Collect sample (GP-6-6-8) for analysis of TPH-Dx from 6 to 8 feet depth interval
10	8-10	24		Not applicable	2 feet of Tan Silt (moist)	FID = 250 ppm
12	10-12	24		Not applicable	2 feet of Tan Silt (moist)	FID = 70 ppm Collect sample (GP-6-10-12) for analysis of TPH-Dx from 10 to 12 ft depth interval
					End of Boring = 12 feet No Groundwater Encountered	

PETROLEUM-IMPACTED SOIL CLEANUP REPORT

SP NEWSPRINT
1301 WYNOOSKI STREET
NEWBERG, OR 97132



Prepared for:
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Attn: Stan Miller
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Prepared by:

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April 18, 2006

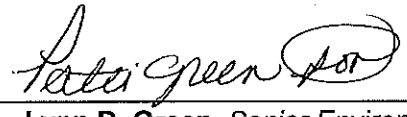
Project No.: 319-05016
Task 02

PETROLEUM-IMPACTED SOIL CLEANUP REPORT

SP NEWSPRINT
1301 WYNOOSKI STREET
NEWBERG, OR 97132

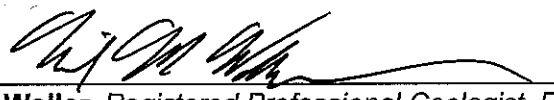
Prepared for:
SP Newsprint
PO Box 70
Newberg, Oregon 97132

Prepared by:



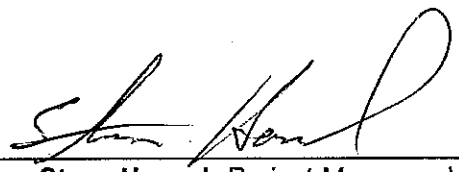
Lynn D. Green, *Senior Environmental Scientist, ENW*

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Reviewed by:



Steve Hassel, *Project Manager, VEC*

April 18, 2006
Project No.: 319-05016
Task 02

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ACRONYMS AND ABBREVIATIONS

Bgs	below ground surface
Boston Rounds	(1)-liter brown glass containers
COI	Constituents of interest
COPC	constituents of potential concern
Client	SP Newsprint
DROs	diesel-range organics
ENW	EVREN Northwest, Inc.
EPA	United States Environmental Protection Agency
LUST	Leaking Underground Storage Tank
mg/Kg	milligrams per kilogram
NWTPH-Dx	total petroleum hydrocarbons diesel-range and residual (oil)-range organics quantification
OARs	Oregon Administrative Rules
ODEQ	Oregon Department of Environmental Quality
ODOWRGD	Oregon Department of Water Resources GRID database
PAHs	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PCS	petroleum-impacted soil
PID	photoionization meter
PRG	Preliminary Remediation Goals
RBCs	risk-based concentrations
RBDM	*Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites* guidance document
RCRA	Resource Conservation and Recovery Act
RROs	residual (oil)-range organics
SOW	scope of work
TPH	total petroleum hydrocarbon
USGS	US Geological Survey
VEC	Varchan Environmental Construction, Inc.
VOA	volatile organic analysis
VOCs	volatile organic compounds or constituents

EXECUTIVE SUMMARY

At the request of SP Newsprint, Varchan Environmental Construction, Inc. prepared this report to document residual (oil-range) petroleum hydrocarbon impacted soil cleanup activities at the property located at 1301 Wynooski Street, in Newberg, Oregon. EVREN Northwest, Inc. was requested to collaborate on this project.

Odoriferous impacted surface soils were identified adjacent to a concrete opened-topped pit at the end of a railroad spur. A soil sample collected from the odoriferous soils showed the impacts were for residual(oil)-range petroleum hydrocarbons, exceeding appropriate Soil Matrix Cleanup standards. The original source of the petroleum release is believed to be related to historic maintenance activities on a locomotive at that location. Approximately fifty-two (52) tons of impacted soils were excavated and disposed at Hillsboro Landfill under a waste disposal permit. The final excavation was completed at five (5) feet depth, below the soil-ground water interface. Samples collected from the excavation walls showed that the remaining petroleum hydrocarbon impacts still exceed Soil Matrix Cleanup standards.

Ground water in the excavation was impacted with petroleum hydrocarbons. Approximately five hundred and fifty (550)-gallons of water were pumped from the excavation and treated on-site. After pumping the water, recharge into the excavation was observed to have petroleum sheen. A preliminary screening of petroleum constituents in ground water showed that diesel-range organics, residual(oil)-range organics, arsenic, and lead should be considered constituents of potential concern.

Since collection of initial confirmation samples and ground water assessment samples SP Newsprint has conducted several additional ground-water pumping actions, and added a microbiologically-based agent to the excavation to accelerate the breakdown of residual petroleum hydrocarbon impacts. VEC and ENW recommend additional assessment in three (3) months do determine what effect these additional remedial actions had on residual petroleum hydrocarbon impacts. If residual petroleum hydrocarbon impacts remain exceeding risk-screening concentrations, additional characterization and delineation of soil and ground water impacts may be addressed by treatment, or, alternatively, delineating and further characterizing with a risk-based closure.

1.0 INTRODUCTION

At the request of SP Newsprint, Varchan Environmental Construction, Inc. (VEC) performed environmental cleanup activities at the SP Newsprint facility at 1301 Wynooski Street in Newberg, Oregon (the "subject site"; Figure 1). This report documents the cleanup activities and makes recommendations to bring the release area to regulatory closure. EVREN Northwest, Inc. (ENW) was requested to collaborate on this project.

1.1 Background

SP Newsprint operates a newsprint production facility at the subject site. The site is developed as a heavy industry complex, consisting of a wide variety of industrial structures, railroad tracks, tanks, etc.

Residual (oil)-range petroleum hydrocarbon (RRO) impacted soils were discovered adjacent to a concrete in-ground pit at the end of a railroad spur on the SP Newsprint property in 2006. SP Newsprint requested VEC to remove the soils and address potential ground-water impacts at that locality, since ground water is known to be very shallow below ground surface (bgs).

1.2 Authorization

This work was authorized by SP Newsprint (Client) and is for the exclusive use of the Client and its representatives and authorized agents.

1.3 Scope

This report documents the following activities:

- Removal and appropriate disposal of petroleum-impacted soil (PCS) at Hillsboro Landfill, under a permit acquired from Waste Management, Inc.
- Confirmation soil sampling.
- Sampling of ground water.
- Evaluation of analytical data with respect to appropriate State of Oregon environmental cleanup standards and guidance documents.
- Risk screening of remaining impacts.
- Preparation of this report, documenting all site cleanup activities.

2.0 SITE LOCATION AND SETTING

2.1 Location and Vicinity Use Description

The SP Newsprint facility is located in southeast Newberg at 1301 NE Wynooski Street. The site is located in a level area adjacent to the Willamette River. The site is a complex industrial facility used to manufacture newsprint.

2.2 Topography

The site slopes very gently to the south and southwest. The US Geological Survey (USGS) Lake Oswego Quadrangle map indicates that the site is located at an approximate elevation of one hundred sixty (160)-feet above mean sea level.

2.3 Geologic Setting

The site is located in the northern Willamette Basin. The Willamette Basin is a major physiographic province in western Oregon, centered around the north-trending Willamette River. The Willamette River Basin is floored by a blanket of sediments locally exceeding one hundred (100) feet thick. Some older highlands are located within the basin, protruding through the younger basin fill sediments.

Geologic mapping in the area indicates that the site is underlain by flood deposits of the late Pleistocene Missoula Floods, which backwashed into the basin when intermittent blocking of the Columbia River occurred downstream from Portland[1]. The flood deposits consist of silt and fine sands that have been designated the Willamette Silt. The flood deposits overlie older alluvial sediments and fanglomerates of the Willamette River and its tributaries. However, young (Holocene) alluvium is present in the streambeds of active streams.

The shallow soils in the vicinity of the SP Newsprint site consist of clay, silt and fine sand.

2.4 Hydrogeologic Setting

2.4.1 Surface Water

The Willamette River is located over three-hundred (300) yards south of the project location on SP Newsprint property. No seeps, springs, wetlands, lakes, ponds or ephemeral surface water features are located in the immediate vicinity of the project site.

2.4.2 Ground Water

Ground water below the site is indicated to be less than ten (10) feet bgs, based on boring logs for the SP Newsprint facility included in the Oregon Department of Water Resources GRID

[1] Gannett, M.W., and Caldwell, R.R., 1998, Geologic framework of the Willamette Lowland Aquifer System, Oregon and Washington: US Geological Survey, Professional Paper 1424-A, 32 p., maps (1:250,000).

database (ODOWRGD). Shallow ground-water flow direction is believed to be southerly, toward the Willamette River.

3.0 METHODS AND PROCEDURES

This section describes both the sampling and analysis protocol and the regulatory cleanup standards used to evaluate sampling results at the subject site. A photographic log is included in Appendix A.

3.1 Sampling and Analysis Protocol

3.1.1 Soil Sampling Methodology

Soil samples were collected from freshly excavated soil in the excavator bucket or from a stainless-steel hand auger using fresh Nitrile gloves. The samples were immediately placed in laboratory-supplied glass jars with Teflon-lined caps. Headspace within the sample containers was minimized. The samples were each marked with a distinctive designation, the date, time, project number, and sampler's name, and then immediately placed in cooled storage until delivered to the laboratory under chain of custody protocols.

3.1.2 Ground Water Sampling Methodology

A pit-water sample was collected from a temporary well point set within the excavation. The well point was subjected to a triple wash sequence of trisodium phosphate solution, tap water, and deionized water before and after sampling. The water in the well point was sampled using a peristaltic pump with clean polyethylene tubing.

Samples collected for volatile organic compound (VOC) analysis were collected in volatile organic analysis (VOA) vials preserved with aliquots of hydrochloric acid, prepared by the laboratory. The sample containers were filled completely and immediately sealed to eliminate headspace. Water samples collected for polynuclear aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) analyses were collected in unpreserved one (1)-liter brown glass containers (Boston Rounds). The water sample collected for total petroleum hydrocarbon (TPH) was collected in a Boston Rounds container with an aliquot of hydrochloric acid. The sample collected for metals analysis was field filtered through a 0.45-micron filter appropriate for the purpose before being collected in a polyethylene container prepared with an aliquot of nitric acid. All samples were immediately placed in cooled storage until they were delivered to the laboratory. Chain-of-custody protocols were implemented for all samples.

3.1.3 Sample Analysis

Soil samples were analyzed according to the Analytical Plan shown by Table 3-1.

Table 3-1. Analytical Plan

Analytical Method	Constituents	Soil Samples	Ground Water Sample
NWTPH-HCID	Hydrocarbon Identification	Initial Characterization Sample	No
NWTPH-GX	Total Petroleum Hydrocarbons – Gasoline-range organics (GRO) quantification	No (No GRO impacts detected by NWTPH-HCID)	No (No GRO impacts detected by NWTPH-HCID in soil)
NWTPH-Dx	Total Petroleum Hydrocarbons – Diesel-range and residual (oil)-range organics (DRO and RRO, respectively) quantification	All soil samples	Yes
8270-SIM (modified)	Polynuclear aromatic hydrocarbons (PAHs)	No	Yes
Total Metals (EPA 6010/7471)	Arsenic, barium, cadmium, chromium, lead, selenium, silver, mercury	No	Yes
EPA 8260B	Volatile organic compounds (VOCs)	No	Yes
EPA 8082	Polychlorinated biphenyls (PCBs)	No	Yes

3.2 Cleanup Standards

The following cleanup standards were used in evaluating constituent concentrations in soil and pit water samples.

3.2.1 Oregon Administrative (OARs) and Soil Matrix Rules

OARs 340-122-0010 through 0115 are the *Hazardous Substance Remedial Action Rules* applicable to the subject site. Under these rules, sites must meet risk-based cleanup concentrations. For petroleum-impacted sites, the Oregon Department of Environmental Quality's (ODEQ) 2003 guidance document *Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites* (RBDM) states that the Soil Matrix Cleanup levels developed under OARs 340-122-0205 through 360 [*Cleanup Rules for Leaking Petroleum Underground Storage Tank (LUST) Systems*] are considered to be adequately protective for petroleum contamination regardless of source.

The Soil Matrix Cleanup Rules permit soil impacts from petroleum hydrocarbons to be cleaned up by setting standards based on site conditions. The cleanup levels are determined for the site by inputting environmental parameters with site-specific values. The values used in determining the Soil Matrix Cleanup level for a site are:

- Annual rainfall
- Soil type
- Sensitivity of the uppermost aquifer
- Depth to water
- Distance to nearest potential receptors

- Number of potential receptors

The Soil Matrix Cleanup Score Sheet and Checklist for the site are presented in Appendix B. The score calculated for the site is 17, indicating that a Level 3 cleanup standard of 1000-milligrams per kilograms (mg/Kg) TPH as diesel and oil and 130-mg/Kg gasoline are appropriate for the site.

3.2.2 Risk-Based Decision Making

Petroleum-related constituents in the pit water sample are compared to risk-based concentrations (RBCs) tabulated in Appendix A of ODEQ's *RBDM* guidance document. RBCs were developed as screening levels for suspect sites. Oregon considers unacceptable additional risk of cancer from exposure to with carcinogenic constituents at greater than one in one million incidences, or for non-carcinogenic constituents, above the constituent threshold concentration at which health impacts would occur. For screening-level assessment, the analytical data for both soil and water are compared with the lowest RBCs from Appendix A of ODEQ's *RBDM* guidance document, ragardless of pathway and receptor.

3.2.3 EPA Region IX Preliminary Remediation Goals and Other Screening Concentrations

The United States Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goals (PRGs) are conservative screening levels used in this report for comparison of metals and PCB concentrations not addressed by the RBDM guidance document. The PRGs were developed by EPA based on similar acceptable risk standards as the RBCs tabulated in the RBDM guidance document. For screening-level assessment, the analytical data for both soil and water are compared with residential PRGs for dermal contact, and tap water PRGs, respectively. Residentail PRGs are used since generally a screening-level risk assessment has not defined the locality of facility, and therefore most assume the most conservative exposure scenario.

3.2.4 Metals Background Concentrations

In addition, this document also compares metals concentrations to background concentrations determined by the Oregon Toxicology Work Group.

3.3 Waste Disposition

Excavated RRO impacted soil was taken to Hillsboro Landfill under a permit issued by Waste Management, Inc. (Appendix C). Impacted water was discharged to the on-site water treatment system.

4.0 SOIL REMOVAL AND ASSESSMENT

In February of 2006, VEC removed RRO impacted soils from the area. The RRO impacted soils were located adjacent to a concrete in-ground pit at the end of a railroad spur. A surface sample, Sample GS02-Hot-Surface, was collected and analyzed by analytical method NWTPH-HCID, which showed that the impacts were RRO. A photoionization meter (PID) was used to monitor progress of the removal of the RRO impacted soils. The excavation was completed at approximately five (5)-feet depth. Approximately fifty-two (52) tons of impacted soils were removed from the site.

Characterization and confirmation soil samples were collected as indicated in Figure 3 and Table 4-1. Laboratory analytical reports are presented in Appendix D.

Table 4-1. Summary of Total Petroleum Hydrocarbon Data for Soil Samples

Sample ID	Date Collected	Depth (feet)	Sample Location	NWTPH-HCID			NWTPH-Dx	
				GRO (D / ND)	DRO (D / ND)	RRO (D / ND)	DRO (mg/Kg)	RRO (mg/Kg)
GS01-S-3	2/17/2006	3	South wall at 3-feet depth	—	—	—	<50	<250
GS02-Hot-Suface	2/17/2006	(Surface)	Stained odoriferous surface soil (Removed)	ND	ND	D	—	—
GS03-SE-3	2/17/2006	3	Toward south end of east wall at 3-feet depth	—	—	—	<50	<250
GS04-E-3	2/17/2006	3	Middle of east wall at 3-feet depth	—	—	—	<50	<250
GS05-NE-3	2/17/2006	3	Toward north end of east wall at 3-feet depth	—	—	—	270	**1,100**
GS06-N-3	2/17/2006	3	North wall at 3-feet depth	—	—	—	190	**1,200**
GS07-FF-5	2/17/2006	5	Interface sample on floor bottom	—	—	—	<50	<250
Soil Matrix Cleanup Level 3 Standard					—		1,000	

NOTES:
DRO = diesel-range organics.
RRO = residual-range organics. Detections were reanalyzed against a motor oil standard for increased resolution.
mg/Kg = milligram per kilogram.
< = not detected at or above the method reporting limit shown.
ND = not detected at or above the method reporting limit.
D = detected.
— = not analyzed or not applicable.
Bolded values indicate exceedance of the Soil Matrix Cleanup Level II Standard

Samples collected from the east and north walls of the excavation at three (3) feet bgs exceeded the Soil Matrix Cleanup Level 3 Standard with concentrations of 1,100 and 1,200 mg/Kg RRO, respectively. All other confirmation samples, include the excavation floor sample, were below the analytical method detection limits.

There are two (2) approaches available to address the remaining soil impacts:

1) Removal of all soil exceeding Soil Matrix Cleanup standards, or
2) Conduct a risk assessment. The RBDM document does not have an RBC for generic oil-range petroleum hydrocarbons other than for generic mineral insulating oil. Special analytical procedures will be required to analyze waste oil constituents in remaining soils. Collection of additional samples will be required to perform these analyses.

Soils around the former excavation exceed appropriate Soil Matrix Cleanup standards. No constituent analyses have been performed other than NWTPH-HCID and NWTPH-Dx. To address waste oils, the RBDM guidance document requires delineation of the remaining impacted soils and characterization of waste oil-related constituents.

5.0 GROUND WATER ASSESSMENT AND RISK-BASED SCREENING

Pit water seeped into the excavation at five (5)-feet depth; however the inferred soil-water interface was 3-feet below ground surface, based on depth at which water was observed to be infiltrating into the shallow excavation. Free product was visible, suggestive of RRO impact. Approximately five hundred fifty (550)-gallons of impacted water with petroleum sheen were pumped to a temporary tank. Since the SP Newsprint facility has an on-site water treatment system, the water was subsequently pumped directly to the treatment system. After pumping the water, recharging pit water was observed to still have petroleum sheen. A pit water sample was collected and impacts were indicated (see Tables 5-1 and 5-2). The rest of this section presents a risk screening for impacted water. Analytical reports are included as Appendix D. All laboratory results from this area are summarized in Figure 4.

The analytical data generated for the water sample collected from the reconnaissance ground water sample described in this report should be considered conservative, in that the sample was not collected from a properly constructed and developed monitoring well. Petroleum constituents may be absorbed on particulate surfaces as well as dissolved in solution, therefore reported constituent concentrations may be inflated compared to that of dissolved concentrations obtained from a monitoring well.

5.1 Identification of Constituents of Interest

Constituents of interest (COIs) are typically identified as those constituent compounds present above analytical method detection limits that will require additional evaluation during the exposure assessment. The list below identifies the hazardous constituents identified in the RBDM guidance document for diesel from which the COIs will be selected, based on the TPH analytical results from the site:

- DRO (diesel-range organics)
- RRO
- Volatile organic compounds (VOCs)
- Polynuclear aromatic hydrocarbons (PAHs)
- Resource Conservation and Recovery Act (RCRA) (Hazardous) metals
- Polychlorinated biphenyls (PCBs)

5.2 Risk-Based Screening – Ground Water

5.2.1 RBDM Guidance Document Risk-Based Concentrations

Table 5-1 presents the analytical data for the ground water sample compared with Oregon's conservative (lowest) RBCs from Appendix A of ODEQ's *RBDM* guidance. COIs with maximum

detected concentrations below the screening standards were eliminated from further consideration. COIs with detections greater than their screening standards are carried forward in the risk evaluation as a constituent of potential concern (COPC).

Table 5-1. Summary of Analytical Data for RBDM Constituents in Ground Water

Analytes	TWP01 (µg/L)	Lowest RBDM RBC (µg/L)	Exceedance
Total Petroleum Hydrocarbons			
GRO	NA	100	NA
DRO	200	88	**YES**
RRO	1100	290	**YES**
Volatile Organic Compounds			
Benzene	<1	0.35	(COND NO)
Toluene	2.3	720	NO
Ethylbenzene	<1	1,300	NO
Xylenes	<3	210	NO
Methyl-tert-butyl ether (MTBE)	<1	6.4	NO
1,2-Dibromoethane (EDB)	<1	0.00064	(COND NO)
1,2-Dichloroethane (EDC)	<1	0.13	(COND NO)
1,2,4-Trimethylbenzene	<1	12	NO
1,3,5-Trimethylbenzene	<1	12	NO
Isopropylbenzene	<1	660	NO
n-Propylbenzene	<1	240	NO
Naphthalene	<1	6.2	NO
[No other VOCs detected above the analytical method detection limit]			
Polynuclear Aromatic Hydrocarbons			
Acenaphthene	<0.1	370	NO
Anthracene	<0.1	1,800	NO
Benz[a]anthracene	<0.1	0.078	(COND NO)
Benzo[b]fluoranthene	<0.1	0.078	(COND NO)
Benzo[k]fluoranthene	<0.1	0.78	NO
Benzo[a]pyrene	<0.1	0.0078	(COND NO)
Chrysene	<0.1	7.8	NO
Dibenz[a,h]anthracene	<0.1	0.0078	(COND NO)
Fluoranthene	<0.1	1,500	NO
Fluorene	<0.1	240	NO
Indeno[1,2,3-cd]pyrene	<0.1	0.078	(COND NO)
Naphthalene	<0.1	6.2	NO
Pyrene	<0.1	1,100	NO
Metals			
Lead	146	15	**YES**

µg/L = micrograms per Liter
<# = not detected at or above the method reporting limit with method report limit indicated
YES = Analytical detection exceeds Screening Level RBC
(COND NO) = Conditional No, Method Reporting Limit exceeds Screening Level RBC

DRO, RRO, and lead exceeded the lowest RBCs and therefore are considered COPCs in ground water. As stated above, the RBCs for RRO are for generic mineral oil. The RBDM guidance document specifies if the impacts of RRO are the results of impacts from waste oil releases, then additional analyses should be performed to address typical waste oil constituents. Benzene, EDB, EDC, benz[a]anthracene, benzo[b]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene were not detected above the analytical

method detection limits, but their detection limits are above the lowest RBC screening levels. ODEQ does not require cleanup for petroleum constituents that are not detected by the department-specified analytical methods if standard method detection limits are met (ODEQ RBDM guidance document, 2003, Section 3.1.6.3). Therefore benzene, EDB, EDC, benz[a]anthracene, benzo[b]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are not considered COPCs and will not be retained in a risk assessment.

5.2.2 Non-RBDM Constituents

5.2.2.1 Metals

Because arsenic, barium, cadmium, chromium, mercury, selenium, and silver are not considered common petroleum constituents and therefore are not included in Appendix A of the guidance document, these metals were screened against the US EPA Region IX PRGs for tap water. Table 5-2 shows that arsenic and lead exceed the PRGs and background concentrations. Some of the exceedance for both arsenic and lead may be due to the free phase sheen on the water sample; nevertheless, lead and arsenic are considered COPCs for future risk assessment.

Table 5-2. Summary of Analytical Results for RCRA Metals in Ground Water

Sample ID	Depth (feet)	Date	Metals (µg/L)							
			Mercury	Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver
PW01	5	17-Feb-06	<0.2	25.3	761	1.73	75.9	146	6.18	<1
EPA Region IX Preliminary Remediation Goals for Residential sites			11	0.045	2600	18	110 (Cr^{VI})	—	180	180
ODEQ RBDM Guidance Document, Appendix A Lowest Residential RBC			—	—	—	—	—	15	—	—
Background Concentration[1]			<0.1	<1	—	<1	1	13.3	0.2	<1

[1] Background concentrations from ODEQ memo dated October 28, 2002, from Toxicology Workgroup to ODEQ Cleanup Project Managers

µg/L: microgram per liter
—: not established

5.2.2.2 Polychlorinated Biphenyls

There are many different individual PCB compounds. However, PCBs are generally grouped into different congener groups known as Arochlors. PW01 was analyzed for hazardous Arochlors; however no Arochlors were detected above the analytical method detection limit of 0.1-mg/Kg. Therefore Arochlors are not considered COPCs.

5.3 Summary of Ground Water Screening

DRO, RRO, arsenic, and lead have been identified as COPCs in ground water.

6.0 CONCLUSIONS AND RECOMMENDATIONS

RRO impacted soil cleanup activities were performed in February 2006 at the SP Newsprint property. The RRO impacted soil was identified adjacent to an opened-topped pit at the end of a railroad spur, a site where historic maintenance activities on a locomotive were believed to have taken place. Approximately fifty-two (52) of impacted soil were removed from the site and disposed at Hillsboro Landfill.

Samples collected from the margins (at the inferred soil/water interface) and floor of the excavation show that remaining soils at the north end of the excavation exceed appropriate Soil Matrix Cleanup standards. Residual impacts to soils have not been fully delineated or characterized at this time.

Ground water in the excavation was impacted with petroleum hydrocarbons. Approximately five hundred and fifty (550)-gallons of water were pumped from the excavation and treated on-site. After pumping the water, recharge into the excavation was observed to have petroleum sheen. A preliminary screening of petroleum constituents in ground water showed that diesel, oil, arsenic, and lead should be considered constituents of potential concern.

Since collection of initial confirmation samples and ground water assessment samples SP Newsprint has conducted several additional ground-water pumping actions, and added a microbiologically-based agent to the excavation to accelerate the breakdown of residual petroleum hydrocarbon impacts. VEC and ENW recommend additional assessment in three (3) months do determine what effect these additional remedial actions had on residual petroleum hydrocarbon impacts. If residual petroleum hydrocarbon impacts remain exceeding risk-screening concentrations, additional characterization and delineation of soil and ground water impacts may be addressed by treatment, or, alternatively, delineating and further characterizing with a risk-based closure.

7.0 LIMITATIONS

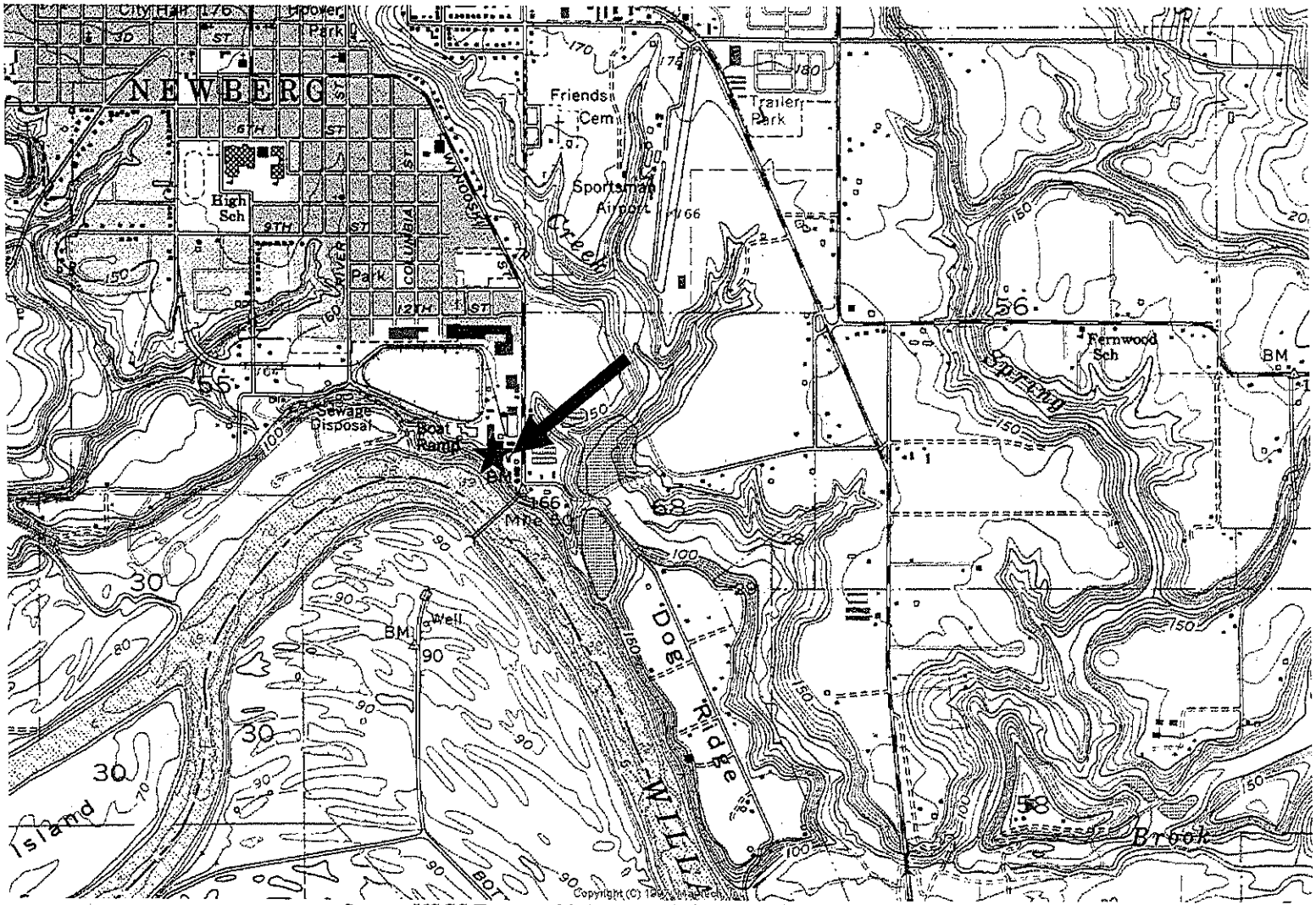
The conclusions of this report are based on information supplied by others as well as interpretations by qualified parties. The focus of this Assessment does not extend to the presence of the following conditions unless they were the express concerns of contacted personnel, report and literature authors or the work scope:

1. Naturally occurring toxic or hazardous substances in subsurface soils, geology and water,
2. Toxicity of substances common in current habitable environments, such as stored chemicals, products, building materials and consumables,
3. Contaminants or contaminant concentrations that are not a concern now but may be under future regulatory standards,
4. Unpredictable events that may occur after VEC's and ENW's site visit, such as illegal dumping or accidental spillage.

There is no practice that is thorough enough to absolutely identify the presence of all hazardous substances that may be present at a given site. VEC's and ENW's investigation has been focused only on the potential for contamination that was specifically identified in the scope of work (SOW). Therefore, if contamination other than that specifically mentioned is present and not identified as part of a limited SOW, VEC's and ENW's environmental investigation shall not be construed as a guaranteed absence of such materials.

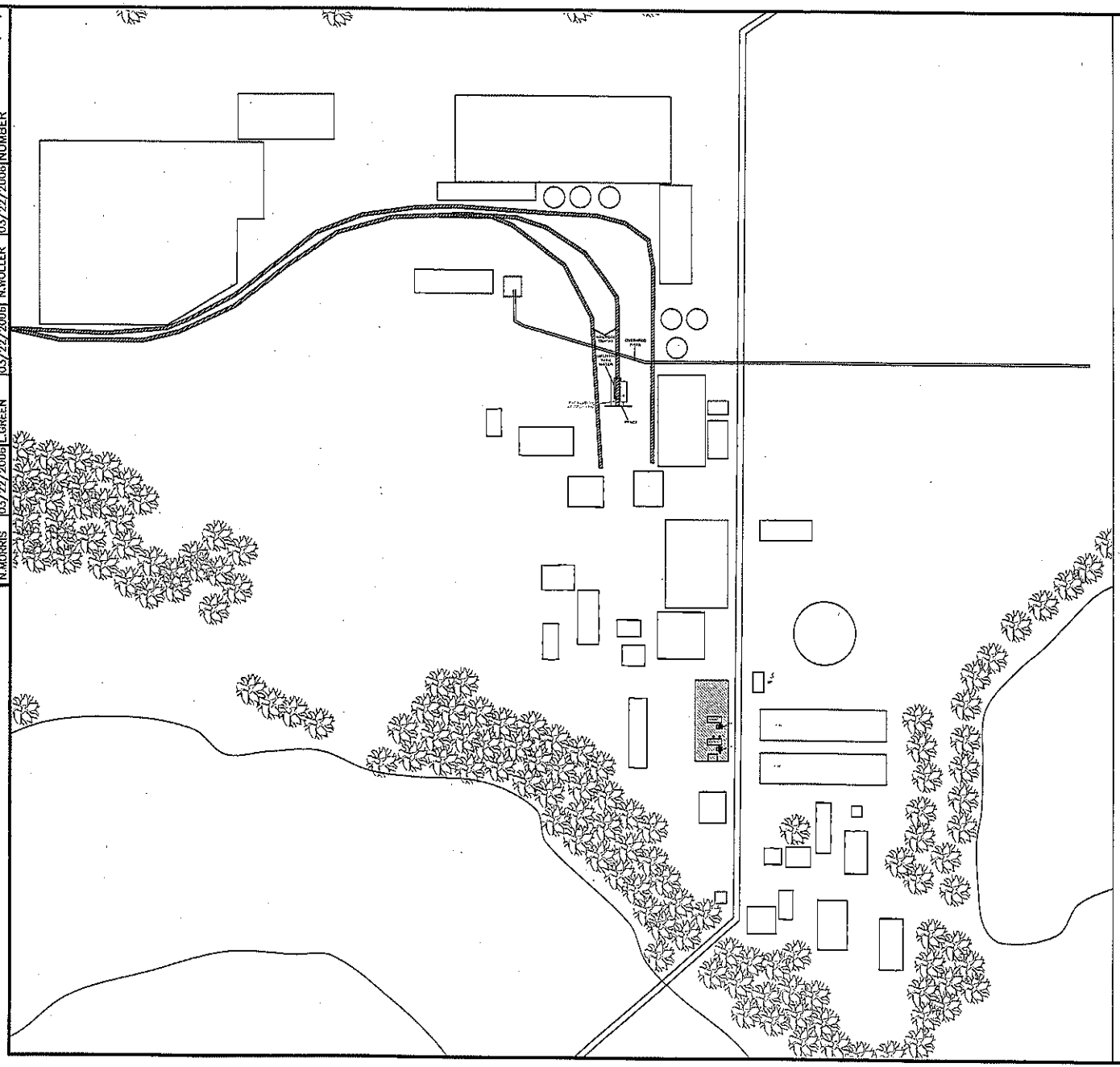
We have performed our services for this project in accordance with our agreement and understanding with the client. This document and the information contained herein have been prepared solely for the use of the client and his representatives.

VEC and ENW performed this study under a limited scope of services per our agreement. It is possible, despite the use of reasonable care and interpretation, that VEC and ENW may have failed to identify regulation violations related to the presence of hazardous substances other than those specifically mentioned at the closure site. VEC and ENW assume no responsibility for conditions that we did not specifically evaluate or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.



Source: USGS Topographic Map, 7.5-Minute Newberg Quadrangle, 1985

VANCOUVER ENVIRONMENTAL CONSTRUCTION	Date Drawn: 12/6/2005 CAD File Name: 319-05016-01 sv map Drawn By: LDG Approved By: NMW	SP Newsprint Co. 1301 NE Wynooski Street Newberg, Oregon	**Site Vicinity Map**	Project No. 319-05016-01 Figure No. **1**



LEGEND:

- APPROXIMATE BUILDING LOCATIONS
- APPROXIMATE PROPERTY BOUNDARIES
- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
- APPROXIMATE SUBJECT BUILDINGS
- APPROXIMATE TREE LOCATIONS
- APPROXIMATE LOCATION OF USTS
- APPROXIMATE EXCAVATION BOUNDARY

NOTES:

1. BASE MAP DEVELOPED FROM AN AERIAL PHOTOGRAPH MAP DATED 2005 AND EVREN NORTHWEST, INC FIELD NOTES.
2. SITE PLAN SHOWS APPROXIMATE BUILDING LOCATIONS BUT NOT TO DETAIL

APPROXIMATE SCALE

0 50 100 FEET

N

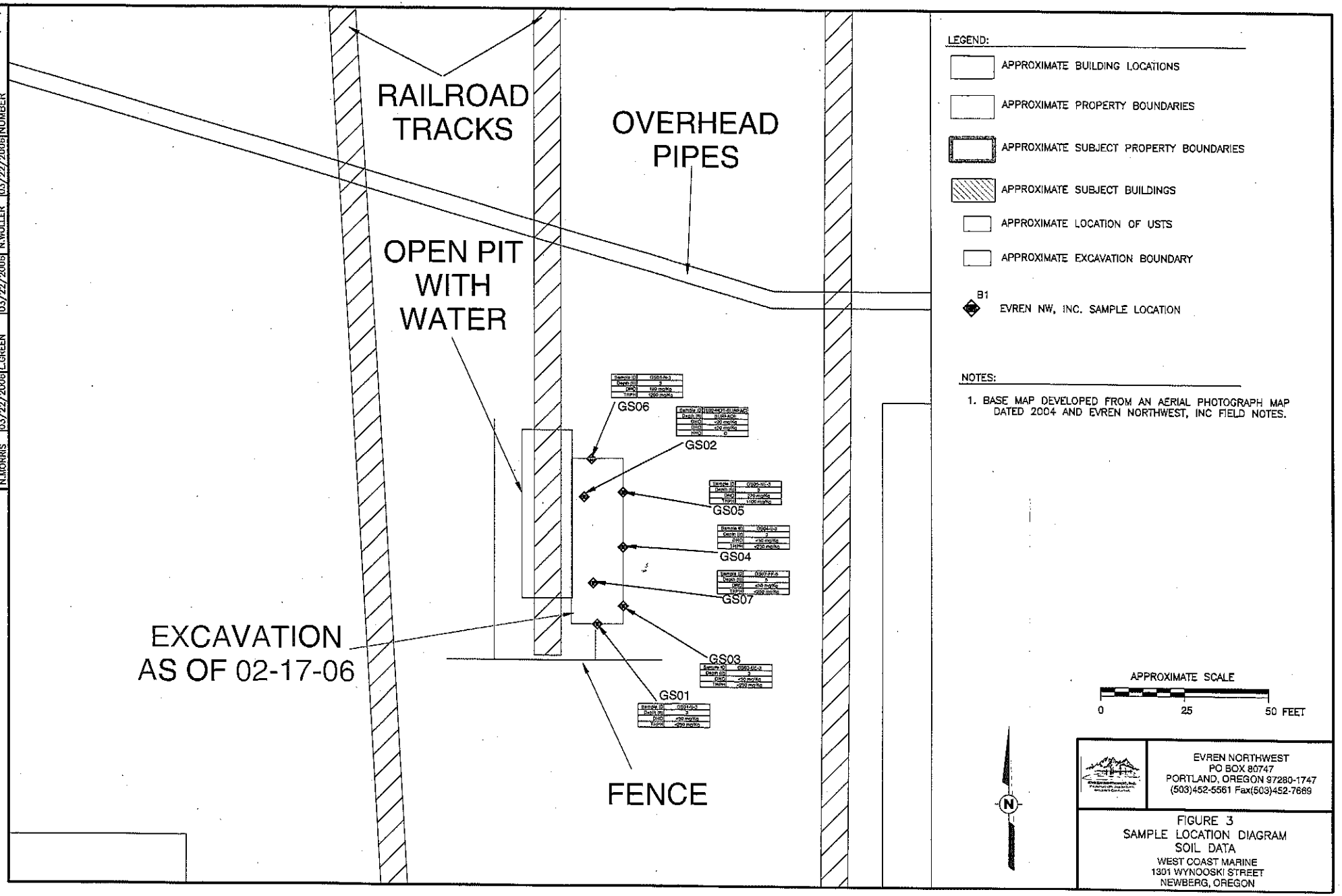
DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
N.MORRIS 03/22/2006	L.GREEN 03/22/2006	N.WOLLER 03/22/2006	319-050116(v01)

EVREN NORTHWEST
PO BOX 80747
PORTLAND, OREGON 97280-1747
(503)452-5561 Fax(503)452-7669

FIGURE 2

SITE PLAN

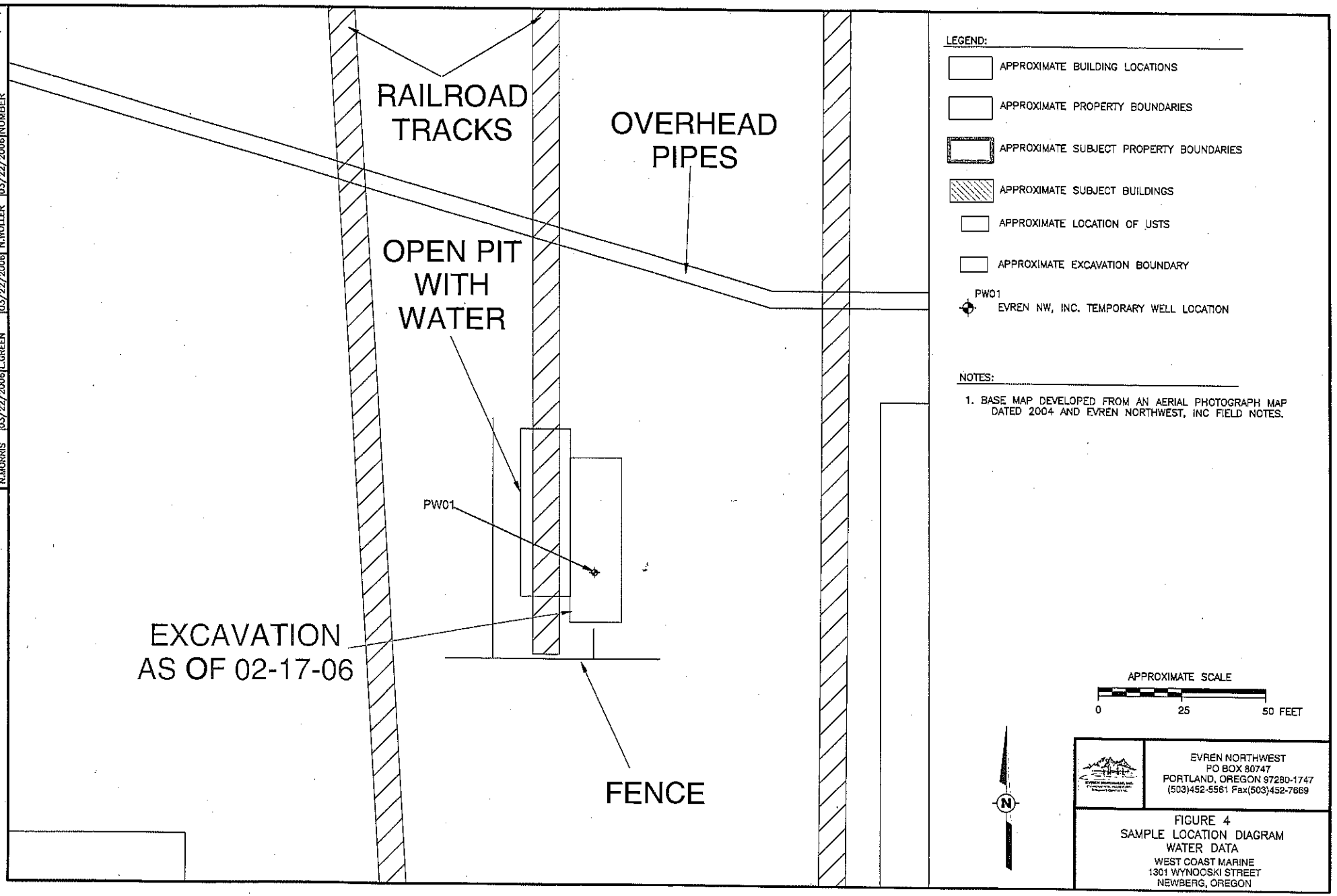
WEST COAST MARINE
1301 WYNOOSKI STREET
NEWBERG, OREGON



DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
N.MORRIS 03/22/2006	L.GREEN 03/22/2006	N.WOLLER 03/22/2006	319-050116(v01)

EVREN NORTHWEST
PO BOX 80747
PORTLAND, OREGON 97280-1747
(503)452-5561 Fax(503)452-7689

FIGURE 3
SAMPLE LOCATION DIAGRAM
SOIL DATA
WEST COAST MARINE
1301 WYNOOSKI STREET
NEWBERG, OREGON



DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
N.MORRIS 03/22/2006	L.GREEN 03/22/2006	N.WOLLER 03/22/2006	319-05016(v01)

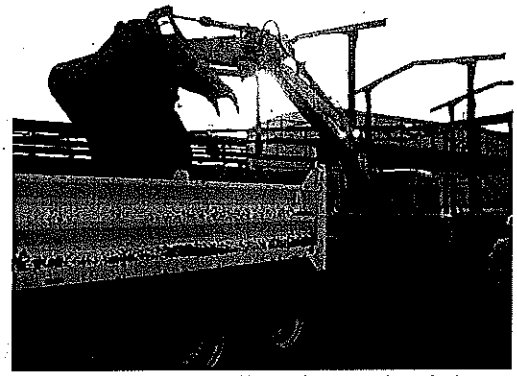
EVREN NORTHWEST
PO BOX 80747
PORTLAND, OREGON 97280-1747
(503)452-5561 Fax(503)452-7669

FIGURE 4
SAMPLE LOCATION DIAGRAM
WATER DATA
WEST COAST MARINE
1301 WYNOOSKI STREET
NEWBERG, OREGON

APPENDIX A PHOTOGRAPHIC LOG



Excavation of partially impacted soil along rail road spur where locomotive maintenance historically took place



Petroleum-impacted soil was loaded directly into trucks for offsite disposal.



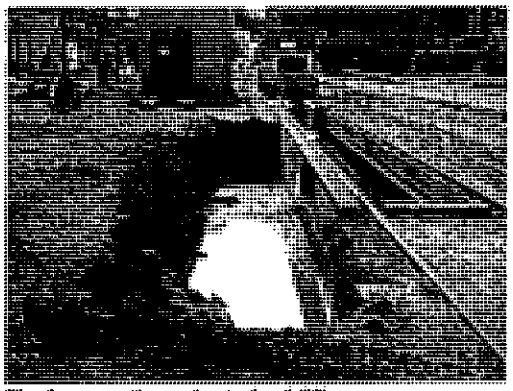
Ground water was encountered at 3- to 4-feet depth. Free product was visible on the water's surface



Ground water continued to recharge into shallow excavation

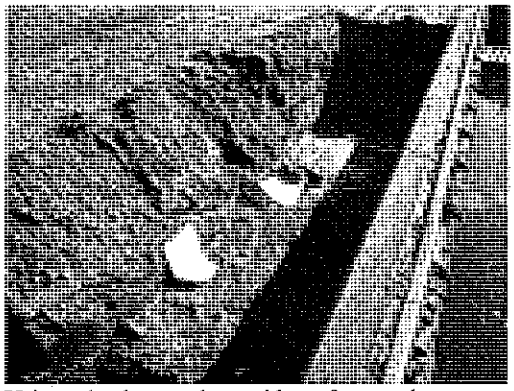


Collecting soil/water interface samples using the excavator bucket

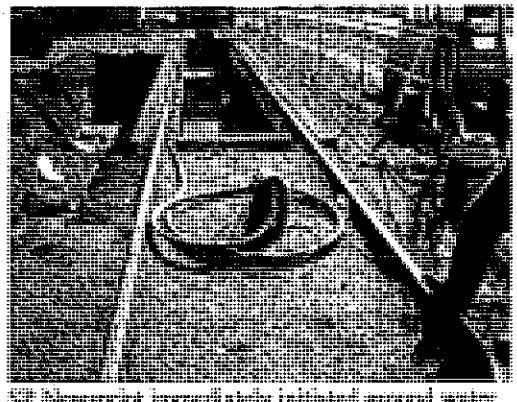


Final excavation prior to backfill

VEC VARCHAN ENVIRONMENTAL CONSTRUCTION "VARIETY AND CHANGE"	Date Drawn: 3/31/2006 CAD File Name: 319-05016-01photolog Drawn By: LDG Approved By: NMW	SP Newsprint 1301 Wynooski Street Newberg, OR 97132	**Site Photographs**	Project No. 319-05016-02 Appendix **A**



Using adsorbent pads to address free product on water's surface



SP Newsprint immediately initiated ground water pumping to address free product

VEC VARCHAN ENVIRONMENTAL CONSTRUCTION "VARIETY AND CHANGE"	Date Drawn: 3/31/2006 CAD File Name: 319-05016-01photolog Drawn By: LDG Approved By: NMW	SP Newsprint 1301 Wynooski Street Newberg, OR 97132	**Site Photographs**	Project No. 319-05016-02 Appendix **A**

APPENDIX B SOIL MATRIX SCORESHEET

Depth to Groundwater < 25 feet (10) 25 – 50 feet (7) 51 – 100 feet (4) > 100 feet (1)	10
Mean Annual Precipitation > 45 inches (10) 20 – 45 inches (4) < 20 inches (1)	4
Native Soil Types Coarse sands, gravels (10) Silts, fine sands (5) Clays (1)	1
Sensitivity of uppermost Aquifer Sole Source (10) Current Potable (7) Future Potable (4) Non-potable (1)	1
Potential Receptors Many, near (10) Medium (5) Few, far (1)	1
TOTAL SCORE =	**17**

Matrix Score	**Cleanup level in ppm TPH**	
	Gasoline	**Diesel**
Level 1: > 40 pts.	40	100
Level 2: 25 - 40 pts.	**80**	**500**
Level 3: < 25 pts.	130	1000

APPENDIX C WASTE MANIFESTS AND DISPOSAL RECEIPTS

WASTE MANAGEMENT

Riverbend Landfill
13469 SW Highway 18
McMinnville, OR, 97128
Ph: (503) 472-9782

Original
Ticket# 453044

Customer Name SPNEWSPRINT S.P. Newsprint
Ticket Date 03/23/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest NA
Destination
PO
Profile 1653 (PCS-Lube Oil, Trsin Oil)
Generator 168-SPNewsprint SP Newsprint

Carrier SPNENS SPNEWSPRINT
Vehicle# SPNENS Volume
Container
Driver
Check#
Billing # 00000293
Gen SPA ID

	Time	Scale	Operator			
In	03/23/2006 10:46:16	Scale	EMM	Gross	31483	LBS
Out	03/23/2006 10:56:30	Scale	EMM	Tare	23040	LBS
				Net	8443	LBS
				Tons		4.22

Comments

	Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-Tons	100	4.22	Tons	19.50	10.55	$92.29	YAM
2	EVL-Env Fee Lg.	100	1	Load	3.00		$3.00	

Total Tax $10.55
Total Ticket $95.84

Driver's Signature

402WM

WASTE MANAGEMENT

Riverbend L[illegible]ill
13469 SW Highway 18
McMinnville, OR, 97128
Ph: (503) 472-8788

Original
Ticket# 462175

Customer Name SPNEWSPRINT S.P. Newsprint
Ticket Date 02/17/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest na
Destination
PO
Profile 1653 (PCB-Lube Oil, Train Oil)
Generator 160-SPNewsprint SP Newsprint

Carrier SMURFIT SMURFIT
Vehicle# SMURFIT
Container
Driver
Check#
Billing # 0000293
Gen EPA ID

Volume

	Time	Scale	Operator
In	02/17/2006 14:35:03	Scale	carolj
Out	02/17/2006 14:44:08	Scale	carolj

Gross	40040	LBS
Tare	24160	LBS
Net	15880	LBS
Tons		7.94

Comments

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Pet-Tons	100	7.94	Tons	19.50	19.85	$154.83	VAM
2	SWL-Env Fee Lg.	100	1	Load	3.00		$3.00	

Total Tax $19.85
Total Ticket $177.68

Driver's Signature

402WM

WASTE MANAGEMENT

Riverbend Landfill
13469 SW Highway 18
McMinnville, OR, 97128
Phn: (503) 472-9788

Original
Ticket# 462121

Customer Name SPREINGPRINT C.P. Newsprint
Ticket Date 02/17/2006
Payment Type Credit Account
Local Ticket#
Hauling Ticket#
Loads
State Waste Code
Manifest MR
Destination
PC
Profile 1653 (PCB-Lube Oil, Train Oil)
Generator 165-SPNewsprint-SP Newsprint

Carrier SMURFIT SMURFIT
Vehicle# SMURFIT
Container
Driver
Check#
Billing # 0000253
Gen EPA ID

Volume

	Time	Scale	Operator
In	02/17/2006 11:09:15	Scale	emm
Out	02/17/2006 11:21:09	Scale	emm

Gross	41780	LBS
Tare	24620	LBS
Net	17160	LBS
Tons		8.58

Comments

	Product	Lnk	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Belt Pap-Trans 130		8.58	Tons	18.50	21.45	$137.31	YSM
2	ERA-Env Fee Lg.	130	1	Load	3.50		$3.00	

Total Tax 21.45
Total Ticket $161.76

Customer Signature

402WM

WASTE MANAGEMENT

Riverbend Lan II
13469 SW Highway 18
McMinnville, OR, 97128
Ph: (503) 472-5788

Original
Ticket# 462096

Customer Name SPNEWSPRINT S.P. Newsprint
Ticket Date 03/17/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Truck
State Waste Code
Manifest NA
Cust Reason
PO
Profile 1653 (POS-Lube Oil, Train Oil)
Generator 168-SPNewsprint SP Newsprint

Carrier SNURFIT SNURFIT
Vehicle# SNURFIT
Container
Driver
Check#
Billing # 0000293
Gen EPA ID

Volume

	Time	Scale	Operator			
In	03/17/2006 09:44:01	MANUAL MT	emm	Gross	47960	LBS
Out	03/17/2006 09:45:49	Scale	emm	Tare	24580	LBS
				Net	23380	LBS
				Tons		11.69

Comments

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Dust Coll Pct-Tons	100	11.69	Ton	19.50	23.82	$227.96	YAM
2	Handler Fee Lg.	100	1	Load	3.00		$3.00	

Total Tax $23.82
Total Ticket $230.10

Driver's Signature

402WM

WASTE MANAGEMENT

Riverbend Landfill
13469 SW Highway 18
McMinnville, OR, 97128
Ph: (503) 472-8768

Original
Ticket# 462199

Customer Name SPNEWSPRINT S.P. Newsprint
Ticket Date 03/17/2006
Payment Type Credit Account
Normal Tickets
Hauling Tickets
Yards
Waste Profile Code
Manifest NO
Registration
Profile 1653 (PCB-Lube Oil, Train Oil)
Customer 166-SPNewsprint SP Newsprint

Carrier SMURFIT SMURFIT
Vehicle# SMURFIT
Container
Driver
Check#
Billing # 0000293
Gen EPA ID

Volume

	Time	Scale	Operator			
In	03/17/2006 12:12:49	Scale	emm	Gross	42470	LBS
Out	03/17/2006 12:28:09	Scale	carolj	Tare	33540	LBS
				Net	18930	LBS
				Tons		9.47

Comments

	Products	LD%	O%	UOM	Rate	Tax	Charges	Origin
1	Cont Soil Pet-Tons	100	0	Tons	19.50	92.25	184.50	MAN
2	ENV-Env Fee Lg.	100	1	Loads	3.00		3.00	

Total Tax 92.25
Total Ticket 281.50

Driver's Signature

402WM

WASTE MANAGEMENT

Riversand Land 1
13469 SW Highway 18
McMinnville, OR 97128
Ph: (503) 472-8735

Original
Ticket# 462107

Customer Name SPNSPRINT S.P. Newsprint
Ticket Date 02/17/2006
Account Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest No
Destination
PO
Profile 4533 (PCB-Lube Oil; Train Oil)
Generator 102-SPNewsprint SP Newsprint

Carrier SNURFIT SNURFIT
Vehicle# SNURFIT
Container
Driver
Check#
Billing # 0003833
Gen EPA ID

Volume

	Time	Scale	Operator			
In	02/17/2006 10:04:10	Scale	emd	Gross	42490	LBS
Out	02/17/2006 10:34:59	Scale	emd	Tare	23690	LBS
				Net	18800	LBS
				Tons		9.40

Comments

Product	LOB	Qty	UOM	Rate	Tax	Amount	Origin
1 Cons Coll Del-Tons	100	9.40	Tons	12.50	23.15	$100.57	YAM
2 Fuel Fee Lg.	100	1	Load	3.00		$3.00	

Total Tax $23.15
Total Ticket $226.72

User's Signature
402WM

APPENDIX D LABORATORY REPORTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 6, 2006

Lynn Green, Project Manager
Evren Northwest, Inc.
PO Box 80747
Portland, OR 97280

Dear Mr. Green:

Included are the results from the testing of material submitted on February 20, 2006 from the SP Newsprint, 319-05016-02, F&BI 602171 project. There are 23 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Bradley T. Benson
Chemist

Enclosures
ENW0306R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/21/06

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 50-150)
GS02-Hot-Surface 602171-02 hcid	ND	ND	D	60
Method Blank	ND	ND	ND	106

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/21/06

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 50-150)
PW01 602171-07	ND	ND	D	94
Method Blank	ND	ND	ND	114

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/20/06 and 02/22/06

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING METHOD NWTPH-Dx

Extended to Include Motor Oil Range Compounds

Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	TRPH (C_{10}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
GS01-S-3 602171-01	<50	<250	103
GS03-SE-3 602171-03	<50	<250	99
GS04-E-3 602171-04	<50	<250	97
GS05-NE-3 x 602171-05	270	860	98
GS06-N-3 x 602171-06	190	830	98
GS07-FF-5 602171-08	<50	<250	106
Method Blank	<50	<250	99

x - The pattern of peaks present is not indicative of diesel range hydrocarbons. The sample was reanalyzed against motor oil.

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/22/06

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as µg/g (ppm)

Sample ID Laboratory ID	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-127)
GS05-NE-3 602171-05	1,100	98
GS06-N-3 602171-06	1,200	98
Method Blank	<250	96

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/21/06

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING METHOD NWTPH-Dx
Extended to Include Motor Oil Range Compounds

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	TRPH (C_{10}-C_{36})	Surrogate (% Recovery) (Limit 51-132)
PW01 x 602171-07	200	810	89
Method Blank	<50	<250	115

x - The pattern of peaks present is not indicative of diesel. The sample was reanalyzed against motor oil.

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/20/06
Date Analyzed: 02/21/06

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 67-131)
PW01 602171-07	1,100	89
Method Blank	<250	115

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 02/23/06
Date Analyzed: 02/24/06

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR PCBs AS AROCLORS USING EPA METHOD 8082

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Aroclor 1221	1232	1016	1242	1248	1254	1260	1262	Surrogate (% Rec.) (Limit 50-150)
PW01 602171-07	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	89
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	61

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	PW01	Client:	Evren Northwest, Inc.
Date Received:	02/20/06	Project:	SP Newsprint, 319-05016-02
Date Extracted:	02/21/06	Lab ID:	602171-07 10x
Date Analyzed:	02/22/06	Data File:	602171-07 10x.022
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	99	60	125
Germanium	94	60	125
Indium	86	60	125
Holmium	88	60	125
Bismuth	81	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	75.9
Arsenic	25.3
Selenium	6.18
Silver	<1
Cadmium	1.73
Barium	761
Lead	146

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Evren Northwest, Inc.
Date Received:	NA	Project:	SP Newsprint, 319-05016-02
Date Analyzed:	02/22/06	Data File:	I6-158 mb.006
Date Extracted:	02/21/06	Lab ID:	I6-158 mb
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	91	60	125
Germanium	87	60	125
Indium	89	60	125
Holmium	93	60	125
Bismuth	91	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171
Date Extracted: 03/01/06
Date Analyzed: 03/01/06

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY BY EPA METHOD 1631

Results Reported as µg/L (ppb)

Sample ID Laboratory ID	Total Mercury
PW01 602171-07	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	PW01	Client:	Evren Northwest, Inc.
Date Received:	02/20/06	Project:	SP Newsprint, 319-05016-02
Date Extracted:	02/20/06	Lab ID:	602171-07
Date Analyzed:	02/20/06	Data File:	022010.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	79	75	125
1,2-Dichloroethane-d4	99	67	133
Toluene-d8	105	79	129
4-Bromofluorobenzene	86	76	145

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	Tetrachloroethene	<1
Chloromethane	<1	Dibromochloromethane	<1
Vinyl chloride	<1	1,2-Dibromoethane (EDB)	<1
Bromomethane	<1	Chlorobenzene	<1
Chloroethane	<1	Ethylbenzene	<1
Trichlorofluoromethane	<1	1,1,1,2-Tetrachloroethane	<1
Acetone	<10	m,p-Xylene	<2
1,1-Dichloroethene	<1	o-Xylene	<1
Methylene chloride	<12	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	2.3	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1
1,3-Dichloropropane	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Evren Northwest, Inc.
Date Received:	Not Applicable	Project:	SP Newsprint, 319-05016-02
Date Extracted:	02/20/06	Lab ID:	06-327 mb
Date Analyzed:	02/20/06	Data File:	022006.D
Matrix:	water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	79	75	125
1,2-Dichloroethane-d4	101	67	133
Toluene-d8	112	79	129
4-Bromofluorobenzene	89	76	145

Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1
Chloromethane	<1
Vinyl chloride	<1
Bromomethane	<1
Chloroethane	<1
Trichlorofluoromethane	<1
Acetone	<10
1,1-Dichloroethene	<1
Methylene chloride	<12
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
2,2-Dichloropropane	<1
cis-1,2-Dichloroethene	<1
Chloroform	<1
2-Butanone (MEK)	<10
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
1,1-Dichloropropene	<1
Carbon Tetrachloride	<1
Benzene	<1
Trichloroethene	<1
1,2-Dichloropropane	<1
Bromodichloromethane	<1
Dibromomethane	<1
4-Methyl-2-pentanone	<10
cis-1,3-Dichloropropene	<1
Toluene	<1
trans-1,3-Dichloropropene	<1
1,1,2-Trichloroethane	<1
2-Hexanone	<10
1,3-Dichloropropane	<1

Compounds:	Concentration ug/L (ppb)
Tetrachloroethene	<1
Dibromochloromethane	<1
1,2-Dibromoethane (EDB)	<1
Chlorobenzene	<1
Ethylbenzene	<1
1,1,1,2-Tetrachloroethane	<1
m,p-Xylene	<2
o-Xylene	<1
Styrene	<1
Isopropylbenzene	<1
Bromoform	<1
n-Propylbenzene	<1
Bromobenzene	<1
1,3,5-Trimethylbenzene	<1
1,1,2,2-Tetrachloroethane	<1
1,2,3-Trichloropropane	<1
2-Chlorotoluene	<1
4-Chlorotoluene	<1
tert-Butylbenzene	<1
1,2,4-Trimethylbenzene	<1
sec-Butylbenzene	<1
p-Isopropyltoluene	<1
1,3-Dichlorobenzene	<1
1,4-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1
1,2-Dibromo-3-chloropropane	<1
1,2,4-Trichlorobenzene	<1
Hexachlorobutadiene	<1
Naphthalene	<1
1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PNA Compounds By EPA Method 8270C SIM

Client Sample ID:	PW01	Client:	Evren Northwest, Inc.
Date Received:	02/20/06	Project:	SP Newsprint, 319-05016-02
Date Extracted:	02/21/06	Lab ID:	602171-07
Date Analyzed:	02/21/06	Data File:	022110.D
Matrix:	water	Instrument:	GCMS3
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	83	36	135
Benzo(a)anthracene-d12	86	36	136

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Benzo(a)pyrene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenzo(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

Analysis For PNA Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	Evren Northwest, Inc.
Date Received:	Not Applicable	Project:	SP Newsprint, 319-05016-02
Date Extracted:	02/21/06	Lab ID:	06-351mb
Date Analyzed:	02/21/06	Data File:	022109.D
Matrix:	water	Instrument:	GCMS3
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	85	36	135
Benzo(a)anthracene-d12	86	36	136

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Benzo(a)pyrene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenzo(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 602170-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	µg/g (ppm)	5,000	<50	96	93	71-137	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	µg/g (ppm)	5,000	98	70-129

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	µg/L (ppb)	2,500	107	122	74-139	13

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	µg/L (ppb)	5	89	91	70-130	2
Aroclor 1260	µg/L (ppb)	5	89	92	70-130	3

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 602161-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	17.4	17.2	1	0-20
Arsenic	ug/L (ppb)	2.97	1.85	46 a	0-20
Selenium	ug/L (ppb)	8.27	8.76	6	0-20
Silver	ug/L (ppb)	<1	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Barium	ug/L (ppb)	374	390	4	0-20
Lead	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 602161-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	17.4	118	50-150
Arsenic	ug/L (ppb)	10	2.97	98	50-150
Selenium	ug/L (ppb)	5	8.27	146	50-150
Silver	ug/L (ppb)	5	<1	103	50-150
Cadmium	ug/L (ppb)	5	<1	111	50-150
Barium	ug/L (ppb)	50	374	b	50-150
Lead	ug/L (ppb)	10	<1	124	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	90	70-130
Arsenic	ug/L (ppb)	10	102	70-130
Selenium	ug/L (ppb)	5	96	70-130
Silver	ug/L (ppb)	5	96	70-130
Cadmium	ug/L (ppb)	5	99	70-130
Barium	ug/L (ppb)	50	101	70-130
Lead	ug/L (ppb)	10	96	70-130

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
1,1-Dichloroethene	µg/L (ppb)	100	99	94	53-135	5
Methylene chloride	µg/L (ppb)	50	99	93	61-123	6
trans-1,2-Dichloroethene	µg/L (ppb)	50	103	97	67-115	6
cis-1,2-Dichloroethene	µg/L (ppb)	50	107	102	77-125	4
Benzene	µg/L (ppb)	100	95	93	75-124	2
Trichloroethene	µg/L (ppb)	50	88	85	75-121	4
Bromodichloromethane	µg/L (ppb)	50	99	95	74-112	3
Toluene	µg/L (ppb)	100	98	95	72-129	3
Dibromochloromethane	µg/L (ppb)	50	98	97	72-132	1
Chlorobenzene	µg/L (ppb)	50	93	92	82-118	1
Ethylbenzene	µg/L (ppb)	50	97	94	70-130	3
m,p-Xylene	µg/L (ppb)	50	100	99	70-130	1
Styrene	µg/L (ppb)	50	99	96	70-130	3
Bromobenzene	µg/L (ppb)	50	96	90	70-130	7
1,3,5-Trimethylbenzene	µg/L (ppb)	50	99	94	70-130	5
1,2,4-Trimethylbenzene	µg/L (ppb)	50	99	95	70-130	4
p-Isopropyltoluene	µg/L (ppb)	50	103	98	70-130	6
1,2,4-Trichlorobenzene	µg/L (ppb)	50	110	106	70-130	4
Naphthalene	µg/L (ppb)	50	121	116	70-130	4
1,2,3-Trichlorobenzene	µg/L (ppb)	50	140 vo	139 vo	70-130	0

vo - The value reported fell outside the control limits established for this analyte.

Note: The calibration verification result for chloromethane, chloroethane, and acetone exceeded 15% deviation. The average deviation for all compounds was less than 15%, therefore the initial calibration is considered valid.

Date of Report: 03/06/06
Date Received: 02/20/06
Project: SP Newsprint, 319-05016-02, F&BI 602171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	µg/L (ppb)	5	93	96	51-121	3
Acenaphthylene	µg/L (ppb)	5	91	95	56-127	4
Acenaphthene	µg/L (ppb)	5	91	94	52-128	3
Fluorene	µg/L (ppb)	5	101	104	53-130	3
Phenanthrene	µg/L (ppb)	5	101	103	50-126	3
Anthracene	µg/L (ppb)	5	106	109	51-129	3
Fluoranthene	µg/L (ppb)	5	96	99	53-133	3
Pyrene	µg/L (ppb)	5	93	95	57-126	2
Benz(a)anthracene	µg/L (ppb)	5	91	92	52-124	1
Chrysene	µg/L (ppb)	5	89	91	52-121	3
Benzo(b)fluoranthene	µg/L (ppb)	5	95	97	54-133	3
Benzo(k)fluoranthene	µg/L (ppb)	5	95	97	55-127	2
Benzo(a)pyrene	µg/L (ppb)	5	97	101	50-132	4
Indeno(1,2,3-cd)pyrene	µg/L (ppb)	5	108	110	48-130	1
Dibenzo(a,h)anthracene	µg/L (ppb)	5	109	110	50-130	1
Benzo(g,h,i)perylene	µg/L (ppb)	5	104	105	46-128	1

Note: Initial calibration verification result for dibenzo(a,h)anthracene exceeded 15% deviation. The average deviation for all compounds was less than or equal 15%, therefore the initial calibration is considered valid.

Quality Friedman & Bruya, Inc.

BB 02-20-06

AIG/D04/V2

Environmental Services Laboratory, Inc

CHAIN OF CUSTODY

17400 SW Upper Boones Ferry Road • Suite 270 • Portland, OR 97224 • (503) 670-8520 • FAX (503) 670-9243

Company: Ednen NW | Project Manager: Lynn Green | LABORATORY #

Address: PO Box 80749

Phone: 503 452-5561 Fax: 452-76669

SAMPLE DISPOSAL INSTRUCTIONS

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	NWTPH-HCID	NWTPH-GX	NWTPH-DX	8020M - BETX only	8270 SIMS PAHs	Halogenated VOCs/GCMS	Aromatic VOCs/GCMS	8260 GCMS Volatiles	8270 GCMS Semivolatiles	8081 GC Pesticides/PCBs	8081m PCBs only	RCRA Metals (8)	Priority Pollutant Metals (13)	Metals:	TCLP Metals (8)	TCLP Volatiles 8260 ZHE-EXT	TCLP Semivolatiles 8270	PAHs		# OF CONTAINERS
GS01-S-3	17Feb	1057	Soil	01			X																	
GS02-HOT-Surface		1101		02	X		X																	
GS03-SE-3		1105		03			X																	
GS04-E-3		1111		04			X																	
GS05-NE-3		1136		05			X																	
GS06-W-3		1139	↓	06			X																8 - per LG 2/23/06	
PW01		1405	Water	07 A-G	X		X					X			⊗	X						X		
GS07-IF-5	↓	1431	Soil	08			X																	

PROJECT INFORMATION

PROJECT NUMBER: 319-05016-02

PROJECT NAME: SP Newsprint

PURCHASE ORDER NUMBER: 319-05016-02

ONGOING PROJECT? YES ☒ NO ☐

PRIOR AUTHORIZATION REQUIRED FOR RUSH PROJECTS

TAT (NORMAL) 2 WKS (RUSH) ☒ 24 HR ☐ 48 HRS ☐ 72 HRS ☐ 1 WK

GREATER THAN 24 HR. NOTICE? YES ☐ NO ☐ (LAB USE ONLY)

SPECIAL INSTRUCTIONS: Per Brad

Sampled by: L.G.

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

COC SEALS INTACT? Y/N/NA

RECEIVED INTACT? Y/N

RECEIVED COLD? Y/N

Received via:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
SIGNATURE:	SIGNATURE: Time	SIGNATURE: Time
Printed Name: Lynn Green Date: 17 Feb 06	Printed Name: Date	Printed Name: Date
Company: EDNW	Company:	Company:
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature:	Signature: Time	Signature: Time 08:30
Printed Name: Patti Green Date: 2/17/06	Printed Name: Date	Printed Name: Nhan Pham Date: 2/20/06
Company: EDNW	Company:	ESL Inc.: Friedman & Bruya

DISTRIBUTION: White, Canary - ESL, Pink - Originator

APPENDIX D

Lagoon Analytical Reports

ALS Environmental
ALS Group USA, Corp.
1317 South 13th Avenue
Kelso, WA 98626
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F: +1 360 636 1068
www.alsglobal.com

April 4, 2014 Analytical Report for Service Request No: K1402540

Rob Roholt
SP Fiber Technologies LLC
1301 Wynooski St.
Newberg, OR 97132

RE: Sludge

Dear Rob:

Enclosed are the results of the sample submitted to our laboratory on March 14, 2014. For your reference, these analyses have been assigned our service request number K1402540.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3275. You may also contact me via Email at Chris.Leaf@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Chris Leaf
Project Manager

CL/aj

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
Indiana DOH	http://www.in.gov/isdh/24859.htm	C-WA-01
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-368
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.caslab.com or at the accreditation bodies web site

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

ALS ENVIRONMENTAL

Client:	SP Fiber Technologies LLC	**Service Request No.:**	K1402540
Project:	Sludge	**Date Received:**	03/14/14
Sample Matrix:	Sludge		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Matrix/Duplicate Matrix Spike (MS/DMS).

Sample Receipt

One sludge sample was received for analysis at ALS Environmental on 03/14/14. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4ºC upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of this sample were observed.

Total Metals

Matrix Spike Recovery Exceptions:
The control criteria for matrix spike recovery of Calcium for the Batch QC sample were not applicable. The analyzed concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.

No other anomalies associated with the analysis of this sample were observed.

Approved by_____

CHAIN OF CUSTODY

47343

001

SR#_____

COC Set 1 of 1

COC#_____

1317 South 13th Ave, Kelso, WA 98626 Phone (360) 577-7222 / 800-695-7222 / FAX (360) 636-1068
www.alsglobal.com

K1402540

Project Name	SLUDGE
Project Number:	
Project Manager	Rob Roholt
Company	SPFT
Address	1301 WYNOOSICI STREET
Phone #	503-537-6278
email	
Sampler Signature	John Haslett
Sampler Printed Name	HASLETT

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	0H 9045D / pH	7D TS-MET / Total Solids	28D 7471B / Hg	28D ASTM D3590-02(2006)(A)	28D ASTM D4129-05 Modified /	28D OSU / OSU CO3 Eq	180D 6010C / Metals T	180D 6020A / Metals T	365D 160.4 Modified / TVS	1	2	3	4	5	Remarks
1. SLUDGE		3/13/14	9:00		1	X	X	X	X	X	X	X	X	X						
2.																				
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

Report Requirements

___ I. Routine Report: Method Blank, Surrogate, as required

___ II. Report Dup., MS, MSD as required

___ III. CLP Like Summary (no raw data)

___ IV. Data Validation Report

___ V. EDD

Invoice Information

P.O.#_____

Bill To:_____

Turnaround Requirements

___ 24 hr. ___ 48 hr.

___ 5 Day

___ Standard

Requested Report Date

Circle which metals are to be analyzed

Special Instructions/Comments:

*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other_____(Circle One)

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: John Haslett	Signature: Paula Smith	Signature	Signature	Signature	Signature
Printed Name: HASLETT	Printed Name: Paula Smith	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SPFT	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 3/13/14 / 9:45AM	Date/Time: 3/14/14 0950	Date/Time	Date/Time	Date/Time	Date/Time

PC CK

Cooler Receipt and Preservation Form

Client / Project: SP Newsprint Service Request *K14* 02540

Received: 3/14/14 Opened: 3/14/14 By: KO Unloaded: 3/14/14 By: KO

1. Samples were received via? *Mail* *Fed Ex* *(UPS)* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *(Cooler)* *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1, Back
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID (NA)	Tracking Number NA	Filed
10.1	10.1	5.7	5.7	0	323		1Z9473510393743399	

4. Packing material: *Inserts* *Baggies* *(Bubble Wrap)* *(Gel Packs)* *Wet Ice* *Dry Ice* *Sleeves* _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA (Y) N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA (Y) N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
12. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

SHORT HOLD TIME

Page ____ *of* ____

Analytical Results

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge		
Sample Matrix:	Sludge, solid		

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
Sludge	K1402540-001	03/13/2014	03/14/2014	03/19/2014	42.0	

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/2014
Sample Matrix:	Sludge, solid	**Date Received:**	03/14/2014
		Date Analyzed:	03/19/2014

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sludge	K1402540-001	42.0	42.1	42.1	<1	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
Analysis Method:	9045D	**Units:**	pH Units
Prep Method:	None	**Basis:**	NA

pH

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
Sludge	K1402540-001	**7.37**	-	1	03/18/14 17:39	H

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project	Sludge	**Date Collected:**	NA
Sample Matrix:	Sludge, Solid	**Date Received:**	NA
		Date Analyzed:	03/18/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Batch QC	**Units:**	pH Units
Lab Code:	K1402510-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1402510-001DUP Result	Average	RPD	RPD Limit
pH	9045D	-	7.25	7.24	7.25	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Analyzed:**	03/18/14
Sample Matrix:	Sludge, Solid	**Date Extracted:**	NA

Lab Control Sample Summary
pH

Analysis Method:	9045D	**Units:**	pH Units
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	384254

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1402540-LCS	5.43	5.38	101	85-115

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
Analysis Method:	ASTM D1426-93B Modified	**Units:**	mg/Kg
Prep Method:	ASTM D3590-89B-21.1 Mod	**Basis:**	Dry

Nitrogen, Total Kjeldahl (TKN)

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Sludge	K1402540-001	**4850**	180	2	03/27/14 09:10	3/24/14	
Method Blank	K1402540-MB	ND U	80	2	03/27/14 09:10	3/24/14	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
		Date Analyzed:	03/27/14

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	Sludge	**Units:**	mg/Kg
Lab Code:	K1402540-001	**Basis:**	Dry

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1402540-001DUP Result	Average	RPD	RPD Limit
Nitrogen, Total Kjeldahl (TKN)	ASTM D1426-93B Modified	180	4850	4630	4740	5	20

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
		Date Analyzed:	03/27/14
		Date Extracted:	03/24/14

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name:	Sludge	**Units:**	mg/Kg
Lab Code:	K1402540-001	**Basis:**	Dry
Analysis Method:	ASTM D1426-93B Modified		
Prep Method:	ASTM D 3590-89B-21.1		

		Matrix Spike K1402540-001MS			Duplicate Matrix Spike K1402540-001DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Nitrogen, Total Kjeldahl (TKN)	4850	11400	7610	86	19000	15300	93	23-174	8	20

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Analyzed:**	03/27/14
Sample Matrix:	Sludge, Solid	**Date Extracted:**	03/24/14

Lab Control Sample Summary
Nitrogen, Total Kjeldahl (TKN)

Analysis Method:	ASTM D1426-93B Modified	**Units:**	mg/Kg
Prep Method:	ASTM D 3590-89B-21.1	**Basis:**	Dry
		Analysis Lot:	385689

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1402540-LCS	1010	1170	86	82-131

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
Analysis Method:	ASTM D4129-05 Modified	**Units:**	Percent
Prep Method:	CAS SOP	**Basis:**	Dry

Carbon, Total Organic (TOC)

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Sludge	K1402540-001	**79.2**	0.12	1	03/28/14 12:00	3/28/14	
Method Blank	K1402540-MB	ND U	0.050	1	03/28/14 12:00	3/28/14	

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QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project	Sludge	**Date Collected:**	NA
Sample Matrix:	Sludge, Solid	**Date Received:**	NA
		Date Analyzed:	03/28/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Batch QC	**Units:**	Percent
Lab Code:	K1402960-002	**Basis:**	Wet

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1402960-002DUP Result	Average	RPD	RPD Limit
Carbon, Total Organic (TOC)	ASTM D4129-05 Modified	0.050	2.78	2.76	2.77	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	N/A
Sample Matrix:	Sludge, Solid	**Date Received:**	N/A
		Date Analyzed:	03/28/14
		Date Extracted:	03/28/14

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name:	Batch QC	**Units:**	Percent
Lab Code:	K1402960-002	**Basis:**	Wet
Analysis Method:	ASTM D4129-05 Modified		
Prep Method:	CAS SOP		

		Matrix Spike K1402960-002MS			Duplicate Matrix Spike K1402960-002DMS					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic (TOC)	2.78	6.13	3.50	96	6.06	3.38	97	70-122	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Analyzed:**	03/28/14
Sample Matrix:	Sludge, Solid	**Date Extracted:**	03/28/14

Lab Control Sample Summary
Carbon, Total Organic (TOC)

Analysis Method:	ASTM D4129-05 Modified	**Units:**	Percent
Prep Method:	CAS SOP	**Basis:**	Dry
		Analysis Lot:	385902

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1402540-LCS	0.260	0.275	95	72-122

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
Analysis Method:	OSU	**Units:**	Percent
Prep Method:	None	**Basis:**	Dry

CaCO3 Equivalency

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
Sludge	K1402540-001	**23.8**	4.8	1	03/20/14 10:00	
Method Blank	K1402540-MB	ND U	2.0	1	03/20/14 10:00	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
		Date Analyzed:	03/20/14

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	Sludge	**Units:**	Percent
Lab Code:	K1402540-001	**Basis:**	Dry

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1402540-001DUP Result	Average	RPD	RPD Limit
CaCO3 Equivalency	OSU	4.8	23.8	26.2	25.0	10	20

Results flagged with an asterisk (*) indicate values outside control criteria.

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Analyzed:**	03/20/14
Sample Matrix:	Sludge, Solid	**Date Extracted:**	NA

Lab Control Sample Summary
CaCO3 Equivalency

Analysis Method:	OSU	**Units:**	Percent
Prep Method:	None	**Basis:**	Dry
		Analysis Lot:	384587

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1402540-LCS	99.0	100	99	85-115

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project:	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
Analysis Method:	160.4 Modified	**Units:**	Percent
Prep Method:	None	**Basis:**	Dry, per Method

Solids, Total Volatile

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
Sludge	K1402540-001	**70.3**	0.010	1	03/19/14 09:50	
Method Blank	K1402540-MB	ND U	0.010	1	03/19/14 09:50	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SP Fiber Technologies LLC	**Service Request:**	K1402540
Project	Sludge	**Date Collected:**	03/13/14
Sample Matrix:	Sludge, Solid	**Date Received:**	03/14/14
		Date Analyzed:	03/19/14

Replicate Sample Summary

General Chemistry Parameters

Sample Name:	Sludge	**Units:**	Percent
Lab Code:	K1402540-001	**Basis:**	Dry, per Method

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K1402540-001DUP Result	Average	RPD	RPD Limit
Solids, Total Volatile	160.4 Modified	0.010	70.3	71.1	70.7	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : SP Fiber Technologies LLC
Project Name : Sludge
Project No. : NA

Service Request : K1402540

Sample Name :	Lab Code :
Batch QC	K1402340-001D
Batch QC	K1402340-001S
Sludge	K1402540-001
Sludge	K1402540-001D
Sludge	K1402540-001S
Method Blank	K1402540-MB

Comments:

ALS Group USA, Corp.
dba ALS Enviromental

Analytical Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	03/13/14
Project No. :	NA	**Date Received :**	03/14/14
Matrix :	Sludge	**Date Extracted :**	03/19-24/14

Total Metals

Sample Name :	Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K1402540-001	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	6020A	0.6	03/20/14	ND	
Barium	6010C	0.9	03/20/14	41.0	
Boron	6010C	4.7	03/20/14	ND	
Cadmium	6020A	0.02	03/20/14	0.18	
Calcium	6010C	4.7	03/20/14	80300	
Chromium	6010C	0.9	03/20/14	4.7	
Copper	6010C	0.9	03/20/14	48.4	
Lead	6020A	0.06	03/20/14	4.9	
Magnesium	6010C	2.4	03/20/14	1110	
Manganese	6010C	0.2	03/20/14	110	
Mercury	7471B	0.02	03/24/14	0.08	
Molybdenum	6010C	0.9	03/20/14	1.9	
Nickel	6020A	0.2	03/20/14	2.4	
Vanadium	6010C	0.9	03/20/14	3.6	
Zinc	6010C	1.2	03/20/14	63.6	

Comments:

ALS Group USA, Corp.
dba ALS Enviromental

Analytical Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date Extracted :**	03/19-24/14

Total Metals

Sample Name :	Method Blank	**Units :**	mg/Kg (ppm)
Lab Code :	K1402540-MB	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	6020A	0.5	03/20/14	ND	
Barium	6010C	0.8	03/20/14	ND	
Boron	6010C	4.0	03/20/14	ND	
Cadmium	6020A	0.02	03/20/14	ND	
Calcium	6010C	4.0	03/20/14	ND	
Chromium	6010C	0.8	03/20/14	ND	
Copper	6010C	0.8	03/20/14	ND	
Lead	6020A	0.05	03/20/14	ND	
Magnesium	6010C	2.0	03/20/14	ND	
Manganese	6010C	0.2	03/20/14	ND	
Mercury	7471B	0.1	03/24/14	ND	
Molybdenum	6010C	0.8	03/20/14	ND	
Nickel	6020A	0.2	03/20/14	ND	
Vanadium	6010C	0.8	03/20/14	ND	
Zinc	6010C	1.0	03/20/14	ND	

Comments:

ALS Group USA, Corp.
dba ALS Enviromental

QA/QC Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date Extracted :**	03/19/14
		Date Analyzed :	03/20/14

Duplicate Summary
Total Metals

Sample Name :	Batch QC	**Units :**	mg/Kg (ppm)
Lab Code :	K1402340-001D	**Basis :**	Dry

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Arsenic	6020A	1.2	1.5	1.4	1.5	7	
Barium	6010C	1.9	115	119	117	3	
Boron	6010C	9.3	11.2	10.8	11.0	4	
Cadmium	6020A	0.05	1.34	1.32	1.33	2	
Calcium	6010C	9.3	16200	16400	16300	1	
Chromium	6010C	1.9	30.9	31.7	31.3	3	
Copper	6010C	1.9	257	265	261	3	
Lead	6020A	0.1	11.3	11.1	11.2	2	
Magnesium	6010C	4.6	6650	7200	6930	8	
Manganese	6010C	0.5	118	122	120	3	
Molybdenum	6010C	1.9	6.3	6.2	6.2	2	
Nickel	6020A	0.5	21.3	21.4	21.4	<1	
Vanadium	6010C	1.9	17.4	18.1	17.7	4	
Zinc	6010C	2.3	548	561	555	2	

Comments:

ALS Group USA, Corp.
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QA/QC Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date Extracted :**	03/19/14
		Date Analyzed :	03/20/14

Matrix Spike Summary
Total Metals

Sample Name :	Batch QC	**Units :**	mg/Kg (ppm)
Lab Code :	K1402340-001S	**Basis :**	Dry

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Arsenic	1.2	116	1.5	106	90	75-125	
Barium	1.9	932	115	1140	110	75-125	
Boron	9.4	235	11.2	232	94	75-125	
Cadmium	0.05	11.6	1.34	12.8	98	75-125	
Calcium	9.4	2350	16200	18900	NA	75-125	
Chromium	1.9	93.8	30.9	126	101	75-125	
Copper	1.9	117	257	378	103	75-125	
Lead	0.1	116	11.3	126	98	75-125	
Magnesium	4.7	2350	6650	8960	98	75-125	
Manganese	0.5	235	118	343	96	75-125	
Molybdenum	1.9	235	6.3	251	104	75-125	
Nickel	0.5	116	21.3	126	90	75-125	
Vanadium	1.9	235	17.4	250	99	75-125	
Zinc	2.3	235	548	779	98	75-125	

Comments:

ALS Group USA, Corp.
dba ALS Enviromental

QA/QC Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	03/13/14
Project No. :	NA	**Date Received :**	03/14/14
Matrix :	Sludge	**Date Extracted :**	03/24/14
		Date Analyzed :	03/24/14

Duplicate Summary
Total Metals

Sample Name :	Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K1402540-001D	**Basis :**	Dry

Analyte	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Mercury	7471B	0.02	0.08	0.07	0.08	13	

Comments:

ALS Group USA, Corp.
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QA/QC Report

Client :	SP Fiber Technologies LLC	**Service Request :**	K1402540
Project Name :	Sludge	**Date Collected :**	03/13/14
Project No. :	NA	**Date Received :**	03/14/14
Matrix :	Sludge	**Date Extracted :**	03/24/14
		Date Analyzed :	03/24/14

Matrix Spike Summary
Total Metals

Sample Name :	Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K1402540-001S	**Basis :**	Dry

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	0.02	0.56	0.08	0.65	102	75-125	

Comments:

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March 02, 2016

Analytical Report for Service Request No: K1601382

Rob Roholt
WestRock - Newberg
1301 Wynooski St.
Newberg, OR 97132

RE: Lagoons

Dear Rob,

Enclosed are the results of the sample(s) submitted to our laboratory February 12, 2016
For your reference, these analyses have been assigned our service request number **K1601382.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3375. You may also contact me via email at Janet.Malloch@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janet Malloch
Project Manager

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L14-51
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
ISO 17025	http://www.pjlabs.com/	L14-50
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	03016
Maine DHS	Not available	WA01276
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
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ALS ENVIRONMENTAL

Client:	WestRock/ SP Fiber	**Service Request No.:**	K1601382
Project:	Lagoons	**Date Received:**	02/12/16
Sample Matrix:	Soil		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One soil sample was received for analysis at ALS Environmental on 02/12/16. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4ºC upon receipt at the laboratory.

Total Metals

No anomalies associated with the analysis of this sample were observed.

Organochlorine Pesticides by EPA Method 8081

Second Source Exceptions:
The analysis of Chlorinated Pesticides by EPA 8081 requires the use of dual column confirmation. When the Initial Calibration Verification (ICV) criteria are met for both columns, the lower of the two sample results is generally reported. The criteria were not met for 4,4'-DDD in CAL 14469. The data quality was not affected. No further corrective action was necessary.

No other anomalies associated with the analysis of this sample were observed.

PCB Aroclors by EPA Method 8082

Second Source Exceptions:
The analysis of PCB Aroclors by EPA 8082 requires the use of dual column confirmation. When the Initial Calibration Verification (ICV) criteria are met for both columns, the lower of the two sample results is generally reported. The criteria were not met for Aroclor 1221 in CAL 14611. The data quality was not affected. No further corrective action was necessary.

No other anomalies associated with the analysis of this sample were observed.

Semivolatile Organic Compounds by EPA Method 8270

Lab Control Sample Exceptions:
The control criteria were exceeded for numerous compounds in Laboratory Control Sample (LCS) KWG1601306-3. The associated Duplicate Laboratory (DLCS) KWG1601306-4 recoveries of the target compounds with the exception of Benzo(g,h,i)perylene were in control. The analyte outlier was flagged accordingly. The associated field samples will be re-extracted to confirm the original results.

Approved by_____

Calibration Verification Exceptions:
The following analyte was flagged as outside the control criterion for Continuing Calibration Verification (CCV) MS07\0226F002.D: 2,4-Dinitrophenol. In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The ALS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

Surrogate Exceptions:
The lower control criterion was exceeded for 2-Fluorophenol, Phenol-d6, 2-Fluorobiphenyl and 2,4,6-Tribromophenol in the Method Blank (MB) KWG1601306-5. The problem indicated a potential negative bias in the MB. The associated field samples will be re-extracted to confirm the original results. The data was flagged to indicate the problem.

The control criteria were exceeded for all surrogates in Laboratory Control Sample (LCS) KWG1601306-3. The associated field sample will be re-extracted to confirm the original results.

Relative Percent Difference Exceptions:
The Relative Percent Difference (RPD) for several analytes in the replicate Laboratory Control Samples (LCS/DLCS) KWG1601306-3 and KWG1601306-4 analyses was outside control criteria. The spike recovery for the analyte in question was within acceptance limits in the DLCS. The error associated with an elevated RPD equated to a higher degree of variability. Since the affected target analytes were not detected above the Method Reporting Limit (MRL) in the samples, the quality of the sample data was not significantly affected. The associated field samples will be re-extracted to confirm the original results.

No other anomalies associated with the analysis of this sample were observed.

Approved by_____

Chain of Custody

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Columbia Analytical Services™

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CHAIN of CUSTODY

Page ___ of ___

Client: **SP Newsprint**

Project: **Lagoons**

Method of Shipment

Project Manager: Robert Roholt

Telephone No: 503-537-6278 Fax No.: 503-537-6344

Special Detection Limit/Reporting

Sample I.D.	Lab Sample No.	No. of Containers	Matrix: Soil	Matrix: Water	Matrix: Air	Matrix: Other	Prsv.: Yes	Prsv.: No	Sampling Date	Sampling Time	Sample Grinding	[illegible]	Semi-Volatils	Pesticides/PCB's				RCRA 8 Metals				Turn Around Time (working days)
Clarivac Solids		**1**	**1**					**1**	2/[illegible]/16	13:00	**X**		**x**	**x**				**X**				**10**

MARKS

Sample Received Intact: Yes No

Temperature received: Ice No ice

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)
Rob Roholt	2-11-16	1400	
Relinquished by	Date 2/12/16	Time 0900	Received by
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory / Date / Time

Lab Work No.: KJ601382

PC Janet

Cooler Receipt and Preservation Form

Client SP Newsprint Service Request *K16* 01382

Received: 2/12/16 Opened: 2/12/16 By: [illegible] Unloaded: 2/12/16 By: [illegible]

1. Samples were received via? ***Mail*** ***Fed Ex*** ***UPS*** ***DHL*** ***PDX*** ***Courier*** ***Hand Delivered***
2. Samples were received in: (circle) ***Cooler*** ***Box*** ***Envelope*** ***Other*** _____ ***NA***
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
NR	—	—	—	—	—		12 947 351 21 1000 431 9	

4. Packing material: ***Inserts*** ***Baggies*** ***Bubble Wrap*** ***Gel Packs*** ***Wet Ice*** ***Dry Ice*** ***Sleeves*** _____
5. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
7. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
9. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
11. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
12. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____

Page_____of_____

Total Solids

ALS Environmental—Kelso Laboratory
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www.alsglobal.com

Analytical Report

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	02/11/16
Sample Matrix:	Soil	**Date Received:**	02/12/16
Analysis Method:	160.3 Modified	**Units:**	Percent
Prep Method:	None	**Basis:**	As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
Clarivac Solids	K1601382-001	**11.1**	-	1	02/16/16 16:56	

Metals

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Analytical Report

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	02/11/16 13:00
Sample Matrix:	Soil	**Date Received:**	02/12/16 09:00
Sample Name:	Clarivac Solids	**Basis:**	Dry
Lab Code:	K1601382-001		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	6010C	ND U	mg/Kg	12	2	02/17/16 11:07	02/15/16	
Barium	6010C	**182**	mg/Kg	2.4	2	02/17/16 11:07	02/15/16	
Cadmium	6010C	**0.67**	mg/Kg	0.61	2	02/17/16 11:07	02/15/16	
Chromium	6010C	**16.5**	mg/Kg	2.4	2	02/17/16 11:07	02/15/16	
Lead	6010C	**35.1**	mg/Kg	6.1	2	02/17/16 11:07	02/15/16	
Mercury	7471B	**0.141**	mg/Kg	0.020	1	02/19/16 11:33	02/18/16	
Selenium	6010C	ND U	mg/Kg	12	2	02/17/16 11:07	02/15/16	
Silver	6010C	ND U	mg/Kg	2.4	2	02/17/16 11:07	02/15/16	

Analytical Report

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	KQ1601361-04		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic	6010C	ND U	mg/Kg	4.0	2	02/17/16 10:10	02/15/16	
Barium	6010C	ND U	mg/Kg	0.80	2	02/17/16 10:10	02/15/16	
Cadmium	6010C	ND U	mg/Kg	0.20	2	02/17/16 10:10	02/15/16	
Chromium	6010C	ND U	mg/Kg	0.80	2	02/17/16 10:10	02/15/16	
Lead	6010C	ND U	mg/Kg	2.0	2	02/17/16 10:10	02/15/16	
Selenium	6010C	ND U	mg/Kg	4.0	2	02/17/16 10:10	02/15/16	
Silver	6010C	ND U	mg/Kg	0.80	2	02/17/16 10:10	02/15/16	

Analytical Report

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	KQ1601521-01		

Total Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Mercury	7471B	ND U	mg/Kg	0.020	1	02/19/16 11:09	02/18/16	

Organochlorine Pesticides

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Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	02/11/2016
Sample Matrix:	Soil	**Date Received:**	02/12/2016

Organochlorine Pesticides

Sample Name:	Clarivac Solids	**Units:**	ug/Kg
Lab Code:	K1601382-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
beta-BHC	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
gamma-BHC (Lindane)	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
delta-BHC	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Heptachlor	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Aldrin	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Heptachlor Epoxide	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
gamma-Chlordane†	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endosulfan I	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
alpha-Chlordane	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Dieldrin	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDE	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endrin	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endosulfan II	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDD	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endrin Aldehyde	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endosulfan Sulfate	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDT	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Endrin Ketone	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Methoxychlor	ND	U	23	1	02/18/16	02/24/16	KWG1601329	
Toxaphene	ND	U	1200	1	02/18/16	02/24/16	KWG1601329	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	73	21-112	02/24/16	Acceptable
Decachlorobiphenyl	72	15-130	02/24/16	Acceptable

† Analyte Comments

gamma-Chlordane	For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1601329-7	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
beta-BHC	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
gamma-BHC (Lindane)	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
delta-BHC	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Heptachlor	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Aldrin	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Heptachlor Epoxide	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
gamma-Chlordane†	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endosulfan I	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
alpha-Chlordane	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Dieldrin	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDE	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endrin	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endosulfan II	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDD	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endrin Aldehyde	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endosulfan Sulfate	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
4,4'-DDT	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Endrin Ketone	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Methoxychlor	ND	U	2.5	1	02/18/16	02/24/16	KWG1601329	
Toxaphene	ND	U	130	1	02/18/16	02/24/16	KWG1601329	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	21-112	02/24/16	Acceptable
Decachlorobiphenyl	77	15-130	02/24/16	Acceptable

† Analyte Comments

gamma-Chlordane	For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments:

Polychlorinated Biphenyls (PCBs)

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Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	02/11/2016
Sample Matrix:	Soil	**Date Received:**	02/12/2016

Polychlorinated Biphenyls (PCBs)

Sample Name:	Clarivac Solids	**Units:**	mg/Kg
Lab Code:	K1601382-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1221	ND	U	0.89	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1232	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1242	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1248	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1254	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1260	ND	U	0.45	1	02/18/16	02/23/16	KWG1601328	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	78	43-148	02/23/16	Acceptable

Comments:

Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG1601328-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082A		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1221	ND	U	0.098	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1232	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1242	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1248	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1254	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	
Aroclor 1260	ND	U	0.049	1	02/18/16	02/23/16	KWG1601328	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	43-148	02/23/16	Acceptable

Comments:

Semi-Volatile Organic Compounds by GC/MS

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Analytical Results

Client: WestRock/ SP Fiber
Project: Lagoons
Sample Matrix: Soil

Service Request: K1601382
Date Collected: 02/11/2016
Date Received: 02/12/2016

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Clarivac Solids
Lab Code: K1601382-001

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270D

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
Aniline	ND	U	6.8	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroethyl) Ether	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Phenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2-Chlorophenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
1,3-Dichlorobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
1,4-Dichlorobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
1,2-Dichlorobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benzyl Alcohol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroisopropyl) Ether	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2-Methylphenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Hexachloroethane	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
N-Nitrosodi-n-propylamine	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
4-Methylphenol†	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Nitrobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Isophorone	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
2-Nitrophenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dimethylphenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroethoxy)methane	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
2,4-Dichlorophenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benzoic Acid	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
1,2,4-Trichlorobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Naphthalene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
4-Chloroaniline	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorobutadiene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
4-Chloro-3-methylphenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2-Methylnaphthalene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorocyclopentadiene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2,4,6-Trichlorophenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2,4,5-Trichlorophenol	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2-Chloronaphthalene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2-Nitroaniline	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Acenaphthylene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Dimethyl Phthalate	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	

Comments:

Analytical Results

Client: WestRock/ SP Fiber
Project: Lagoons
Sample Matrix: Soil

Service Request: K1601382
Date Collected: 02/11/2016
Date Received: 02/12/2016

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Clarivac Solids
Lab Code: K1601382-001

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270D

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,6-Dinitrotoluene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Acenaphthene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
3-Nitroaniline	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dinitrophenol	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
Dibenzofuran	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
4-Nitrophenol	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dinitrotoluene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
Fluorene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
4-Chlorophenyl Phenyl Ether	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Diethyl Phthalate	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
4-Nitroaniline	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
2-Methyl-4,6-dinitrophenol	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
N-Nitrosodiphenylamine	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
4-Bromophenyl Phenyl Ether	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorobenzene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Pentachlorophenol	ND	U	14	1	02/18/16	02/26/16	KWG1601306	*
Phenanthrene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Anthracene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Di-n-butyl Phthalate	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
Fluoranthene	**3.5**		2.3	1	02/18/16	02/26/16	KWG1601306	*
Pyrene	**3.0**		2.3	1	02/18/16	02/26/16	KWG1601306	*
Butyl Benzyl Phthalate	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
3,3'-Dichlorobenzidine	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benz(a)anthracene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Chrysene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-ethylhexyl) Phthalate	**5.8**		2.3	1	02/18/16	02/26/16	KWG1601306	
Di-n-octyl Phthalate	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	
Benzo(b)fluoranthene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benzo(k)fluoranthene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benzo(a)pyrene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Indeno(1,2,3-cd)pyrene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Dibenz(a,h)anthracene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*
Benzo(g,h,i)perylene	ND	U	2.3	1	02/18/16	02/26/16	KWG1601306	*

Comments:

Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	02/11/2016
Sample Matrix:	Soil	**Date Received:**	02/12/2016

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Clarivac Solids	**Units:**	mg/Kg
Lab Code:	K1601382-001	**Basis:**	Dry

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	39	20-83	02/26/16	Acceptable
Phenol-d6	49	26-106	02/26/16	Acceptable
Nitrobenzene-d5	48	29-116	02/26/16	Acceptable
2-Fluorobiphenyl	57	32-104	02/26/16	Acceptable
2,4,6-Tribromophenol	53	20-123	02/26/16	Acceptable
Terphenyl-d14	65	37-133	02/26/16	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

Analytical Results

Client: WestRock/ SP Fiber
Project: Lagoons
Sample Matrix: Soil

Service Request: K1601382
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1601306-5

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270D

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
Aniline	ND	U	0.75	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroethyl) Ether	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Phenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2-Chlorophenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
1,3-Dichlorobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
1,4-Dichlorobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
1,2-Dichlorobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benzyl Alcohol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroisopropyl) Ether	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2-Methylphenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Hexachloroethane	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
N-Nitrosodi-n-propylamine	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
4-Methylphenol†	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Nitrobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Isophorone	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
2-Nitrophenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dimethylphenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-chloroethoxy)methane	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
2,4-Dichlorophenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benzoic Acid	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
1,2,4-Trichlorobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Naphthalene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
4-Chloroaniline	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorobutadiene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
4-Chloro-3-methylphenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2-Methylnaphthalene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorocyclopentadiene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2,4,6-Trichlorophenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2,4,5-Trichlorophenol	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2-Chloronaphthalene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2-Nitroaniline	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Acenaphthylene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Dimethyl Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	

Comments:

Client: WestRock/ SP Fiber
Project: Lagoons
Sample Matrix: Soil

Service Request: K1601382
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1601306-5

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270D

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
2,6-Dinitrotoluene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Acenaphthene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
3-Nitroaniline	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dinitrophenol	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
Dibenzofuran	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
4-Nitrophenol	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
2,4-Dinitrotoluene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
Fluorene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
4-Chlorophenyl Phenyl Ether	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Diethyl Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
4-Nitroaniline	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
2-Methyl-4,6-dinitrophenol	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
N-Nitrosodiphenylamine	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
4-Bromophenyl Phenyl Ether	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Hexachlorobenzene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Pentachlorophenol	ND	U	1.5	1	02/18/16	02/26/16	KWG1601306	*
Phenanthrene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Anthracene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Di-n-butyl Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
Fluoranthene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Pyrene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Butyl Benzyl Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
3,3'-Dichlorobenzidine	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benz(a)anthracene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Chrysene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Bis(2-ethylhexyl) Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
Di-n-octyl Phthalate	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	
Benzo(b)fluoranthene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benzo(k)fluoranthene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benzo(a)pyrene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Indeno(1,2,3-cd)pyrene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Dibenz(a,h)anthracene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*
Benzo(g,h,i)perylene	ND	U	0.25	1	02/18/16	02/26/16	KWG1601306	*

Comments:

Analytical Results

Client:	WestRock/ SP Fiber	**Service Request:**	K1601382
Project:	Lagoons	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG1601306-5	**Basis:**	Dry

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	0	20-83	02/26/16	Outside Control Limits
Phenol-d6	0	26-106	02/26/16	Outside Control Limits
Nitrobenzene-d5	37	29-116	02/26/16	Acceptable
2-Fluorobiphenyl	16	32-104	02/26/16	Outside Control Limits
2,4,6-Tribromophenol	0	20-123	02/26/16	Outside Control Limits
Terphenyl-d14	63	37-133	02/26/16	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.

Comments:

Alexin Analytical LABORATORIES, INC.
Professional Laboratory Services
13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 02/26/2018
Received: 02/02/18
Sampled By: Rob Roholt/ Joe Bulzan
Work Order: 8033053

CLIENT
WestRock - Newberg Mill
Attn: Rob Roholt
1301 Wynooski St.
Newberg OR, 97132
Phone: (503) 537-6278

Permit # :

Sampling Location: North Lagoon
Temperature Upon Recept: 14.20 ± 1°C

Lab Number	Sample Name	Method	Units	Result	MRL	Analysis Date/ Time	
8033053-01	**North Lagoon NB**					**Sample Type:** Grab	
	Sampled: 2/2/18 12:50					**Matrix:** Solid	
Subcontracted Analyses							
Diesel Range Organics		NW TPH-Dx	mg/kg	ND	25.0	02/09/18 11:18	**SUB-4, Z-01a**
Oil Range Organics		NW TPH-Dx	mg/kg	436	50.0	02/09/18 11:18	**SUB-4, Z-01a**
Arsenic		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:04	**SUB-4**
Barium		EPA 1311/6020	mg/kg	ND	0.500	02/16/18 16:04	**SUB-4**
Cadmium		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:04	**SUB-4**
Chromium		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:04	**SUB-4**
Lead		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:04	**SUB-4**
Mercury		EPA 1311/6020	mg/kg	ND	0.00400	02/16/18 16:04	**SUB-4**
Selenium		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:04	**SUB-4**
Silver		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:04	**SUB-4**
8033053-02	**North Lagoon NT**					**Sample Type:** Grab	
	Sampled: 2/2/18 13:00					**Matrix:** Solid	
Subcontracted Analyses							
Diesel Range Organics		NW TPH-Dx	mg/kg	ND	190	02/09/18 06:43	**SUB-4, Z-01b**
Oil Range Organics		NW TPH-Dx	mg/kg	640	380	02/09/18 06:43	**SUB-4, Z-01b**
Arsenic		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:13	**SUB-4**
Barium		EPA 1311/6020	mg/kg	ND	0.500	02/16/18 16:13	**SUB-4**
Cadmium		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:13	**SUB-4**
Chromium		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:13	**SUB-4**
Lead		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:13	**SUB-4**
Mercury		EPA 1311/6020	mg/kg	ND	0.00400	02/16/18 16:13	**SUB-4**
Selenium		EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:13	**SUB-4**
Silver		EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:13	**SUB-4**

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Alexin Analytical LABORATORIES, INC.
Professional Laboratory Services
13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 02/26/2018
Received: 02/02/18
Sampled By: Rob Roholt/ Joe Bulzan
Work Order: 8033053

CLIENT
WestRock - Newberg Mill
Attn: Rob Roholt
1301 Wynooski St.
Newberg OR, 97132
Phone: (503) 537-6278

Permit # :

Sampling Location: North Lagoon
Temperature Upon Recept: 14.20 ± 1°C

8033053-03 North Lagoon SB

Sampled: 2/2/18 13:12

Sample Type: Grab
Matrix: Solid

Subcontracted Analyses

Diesel Range Organics	NW TPH-Dx	mg/kg	ND	195	02/09/18 07:06	**SUB-4, Z-01b**
Oil Range Organics	NW TPH-Dx	mg/kg	547	389	02/09/18 07:06	**SUB-4, Z-01b**
Arsenic	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:17	**SUB-4**
Barium	EPA 1311/6020	mg/kg	ND	0.500	02/16/18 16:17	**SUB-4**
Cadmium	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:17	**SUB-4**
Chromium	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:17	**SUB-4**
Lead	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:17	**SUB-4**
Mercury	EPA 1311/6020	mg/kg	ND	0.00400	02/16/18 16:17	**SUB-4**
Selenium	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:17	**SUB-4**
Silver	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:17	**SUB-4**

8033053-04 North Lagoon ST

Sampled: 2/2/18 13:17

Sample Type: Grab
Matrix: Solid

Subcontracted Analyses

Diesel Range Organics	NW TPH-Dx	mg/kg	ND	25.0	02/09/18 12:03	**SUB-4**
Oil Range Organics	NW TPH-Dx	mg/kg	162	50.0	02/09/18 12:03	**SUB-4**
Arsenic	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:22	**SUB-4**
Barium	EPA 1311/6020	mg/kg	ND	0.500	02/16/18 16:22	**SUB-4**
Cadmium	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:22	**SUB-4**
Chromium	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:22	**SUB-4**
Lead	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:22	**SUB-4**
Mercury	EPA 1311/6020	mg/kg	ND	0.00400	02/16/18 16:22	**SUB-4**
Selenium	EPA 1311/6020	mg/kg	ND	0.100	02/16/18 16:22	**SUB-4**
Silver	EPA 1311/6020	mg/kg	ND	0.0500	02/16/18 16:22	**SUB-4**

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Alexin Analytical LABORATORIES, INC.
Professional Laboratory Services
13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 02/26/2018
Received: 02/02/18
Sampled By: Rob Roholt/ Joe Bulzan
Work Order: 8033053

CLIENT
WestRock - Newberg Mill
Attn: Rob Roholt
1301 Wynooski St.
Newberg OR, 97132
Phone: (503) 537-6278

Permit # :

Sampling Location: North Lagoon
Temperature Upon Recept: 14.20 ± 1°C

Lab Number	Sample Name	Method	Units	Result	MRL	Analysis Date/ Time	
8033053-01	**North Lagoon NB** **Sampled:** 2/2/18 12:50					**Sample Type:** Grab **Matrix:** Solid	
Volatile Organic Compounds							
Benzene		EPA 8260B	ug/kg	ND	9.67	02/07/18 13:53	**SUB-4, Z-01**
Ethyl Benzene		EPA 8260B	ug/kg	ND	24.2	02/07/18 13:53	**SUB-4, Z-01**
Toluene		EPA 8260B	ug/kg	ND	48.4	02/07/18 13:53	**SUB-4, Z-01**
Xylenes, total		EPA 8260B	ug/kg	ND	72.5	02/07/18 13:53	**SUB-4, Z-01**
8033053-02	**North Lagoon NT** **Sampled:** 2/2/18 13:00					**Sample Type:** Grab **Matrix:** Solid	
Volatile Organic Compounds							
Benzene		EPA 8260B	ug/kg	ND	9.06	02/07/18 14:19	**SUB-4, Z-01**
Ethyl Benzene		EPA 8260B	ug/kg	ND	22.6	02/07/18 14:19	**SUB-4, Z-01**
Toluene		EPA 8260B	ug/kg	ND	45.3	02/07/18 14:19	**SUB-4, Z-01**
Xylenes, total		EPA 8260B	ug/kg	ND	67.9	02/07/18 14:19	**SUB-4, Z-01**
8033053-03	**North Lagoon SB** **Sampled:** 2/2/18 13:12					**Sample Type:** Grab **Matrix:** Solid	
Volatile Organic Compounds							
Benzene		EPA 8260B	ug/kg	ND	9.31	02/07/18 14:46	**SUB-4, Z-01**
Ethyl Benzene		EPA 8260B	ug/kg	ND	23.3	02/07/18 14:46	**SUB-4, Z-01**
Toluene		EPA 8260B	ug/kg	ND	46.6	02/07/18 14:46	**SUB-4, Z-01**
Xylenes, total		EPA 8260B	ug/kg	ND	69.8	02/07/18 14:46	**SUB-4, Z-01**
8033053-04	**North Lagoon ST** **Sampled:** 2/2/18 13:17					**Sample Type:** Grab **Matrix:** Solid	
Volatile Organic Compounds							
Benzene		EPA 8260B	ug/kg	ND	8.22	02/07/18 15:13	**SUB-4, Z-01**
Ethyl Benzene		EPA 8260B	ug/kg	ND	20.6	02/07/18 15:13	**SUB-4, Z-01**
Toluene		EPA 8260B	ug/kg	ND	41.1	02/07/18 15:13	**SUB-4, Z-01**
Xylenes, total		EPA 8260B	ug/kg	ND	61.7	02/07/18 15:13	**SUB-4, Z-01**

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Alexin Analytical LABORATORIES, INC.
Professional Laboratory Services
13035 SW Pacific Hwy
Tigard, OR 97223
Tel.: (503) 639-9311 Fax: (503) 684-1588

ANALYSIS REPORT

Reported: 02/26/2018
Received: 02/02/18
Sampled By: Rob Roholt/ Joe Bulzan
Work Order: 8033053

CLIENT

WestRock - Newberg Mill
Attn: Rob Roholt
1301 Wynooski St.
Newberg OR, 97132
Phone: (503) 537-6278

Permit # :

Sampling Location: North Lagoon
Temperature Upon Recept: 14.20 ± 1°C

ND = None detected **MRL** = Minimum Reporting Limit
SUB-4 This analysis was subcontracted to APEX Laboratories ORELAP ID# OR100062
Z-01 Sample aliquot was subsampled from the sample container in the laboratory. The subsampled aliquot was not preserved within 48 hours of sampling.
Z-01a see Case Narrative for notes
Z-01b Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

Case Narrative

The analyses were performed according to the guidelines in the Alexin Analytical Quality Assurance Program. The report contains analytical results for the sample(s) as received by the laboratory.

No unusual difficulties were experienced during analysis of the sample(s) except as noted below or qualified with data flags on the report.

Sample 8033053-01 had the following notes on NWTPH-Dx analysis:

The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.

Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limists (Refer to the QC Section of Analytical Report).

Approved by: _____
Adriana Gonzalez-Gray
Laboratory Director

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Alexin Analytical LABORATORIES, INC. — Professional Laboratory Services

Chain of Custody Record

Laboratory Job Number: 5033053-0404

Page 1 of 1

13035 SW Pacific Hwy Tigard, OR 97223 ph: 503.639.9311 fax: 503.684.1588 email:mail@alexinlabs.com

Client Contact Information	Results Reporting Information	Invoicing Information
Company/Client Name: WESTROCK Newberg	Project Manager: Rob Roholt	Accounts Payable Contact:
Address: 1301 Wynooski	Mailing Address: 1301 Wynooski	Mailing Address:
City/State/Zip: Newberg OR	City/State/Zip: Newberg OR	City/State/Zip:
phone: 503-969-5799	phone:	phone:
fax or email: ~~roholt@f~~ Rob.roholt@westrock.com	fax or email:	fax or email:

SAMPLING INFORMATION

Sampling Location: North Lagoon
Sampled By: Rob Roholt Joe Bulzan
Project Name:
P.O. #:
Project #:
PWSID #:
Permit #:

Send results to OR State Health Division? (Please circle) Yes No

* non Alexin containers Ca 2/2/18

* Client is aware they'll be subcontracted to Apex. CA 2/2/18

Lab ID (Lab use only)	Sample Identification (Please enter a unique ID per line for each separate sample)	Date Collected	Time Collected (Begin-End if comp.)	Sample Matrix*	# of cont. rec'd	TCLP RCRA metals	TPH - Dx	BTEX						SEE ATTACHED	Sample Specific Notes/Field Data (for each WW sample, specify Grab / Composite; for each DW sample, specify Raw / Treated, Source / Distribution, Single / Combined WHERE APPLICABLE)
-01	North Lagoon NB	2/2/2018	12:50	Solid	1	X	X	X							* per Rob via 2/2/18
-02	North Lagoon NT		13:00		1	X	X	X							
-03	North Lagoon SB		13:12		1	X	X	X							
-04	North Lagoon ST		13:17		1	X	X	X							

Analysis Requested**

Relinquished By (print):	Company:	Date/Time:	Signature:	Received By:	Company:	Date/Time:	Signature:
Rob Roholt	Westrock	2/2/2018					
Relinquished By (print):	Company:	Date/Time:	Signature:	Received By:	Company:	Date/Time:	Signature:

The most current revision of SOP-10-003 was used when these samples were collected ☐

Received by Laboratory Log-In Staff: CA 2/2/18 Date/Time: 1424

Temp. on receipt: 4.2 °C On ice? (Y) N

Containers Intact? (Y) N ID: TRM-10- 003

* Drinking water (DW), effluent (EFF), ground water (GW), influent (INF), non-aqueous liquid (NAL), paint chips, raw water (RW), sludge, soil, solid, source water (SOURCE), spring, stormwater (SW), surface water, wastewater (WW), well water (WELL)

** Analyses for SOC, Radionuclide, Radon, and Asbestos are subcontracted out to other accredited laboratories.

COC-90-006rev0.1

WestRock

MEMORANDUM

May 29, 2020

Re: Lagoon Sediment Sampling Procedures

From: Robert Roholt

To: Distribution

On May 12th Mitch and I were requested to take two composite samples of sediments, one from the North Lagoon and one from the Secondary Clarifier (Clarivac) located in the South Lagoon.

Using a 8 foot long 1" diameter PVC Pipe as a sediment sampler, we selected a location on the North Lagoon that we could safely access and would provide a homogenous sample of the sediments (See Photo for location). We inserted the sampler into the sediments approximately 1 foot. While I plugged the end of the sampler to provide suction on the sample, Mitch opened the clean unused 1 liter wide mouth glass jar and collected the first two or three inches of the sediments in the sampler. This procedure was repeated several times at different locations in the sampling area until the jar was completely full to overflowing. Teflon lid was then screwed on tightly and the jar was checked to make sure that no air was left in the sample jar. This procedure was repeated on the on the sample collected from the Clarivac in the south lagoon.

Once the samples were collected and labeled, they were placed into a ice chest with packs of ice and a chain of custody was prepared. The samples were then transported to Alexin Analytical Laboratories in Tigard Oregon for Analysis.

Distribution: Nina Butler
Steve Hamilton
Mitch Jansen

1301 Wynooski Street, Newberg, OR 97132 Phone: (503) 537-6278 Fax: (503) 537-6290

FSC SUSTAINABLE FORESTRY INITIATIVE PEFC 100% Recycled Fiber


Newberg City Treatment Plants Admin Offices
Wynooski St
NE Dog Ridge Rd
North Lagoon Sample Location
NE Dog Ridge Rd
Clarivac Sample Location
Dacco Inc


North Lagoon Sample Location


Clarivac Sample Location

Ph

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Wednesday, May 27, 2020

Adriana Gonzales-Gray
Alexin Analytical Laboratories
13035 SW Pacific Hwy
Tigard, OR 97223

RE: A0E0418 - General Subcontract - 0133014

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0E0418, which was received by the laboratory on 5/14/2020 at 11:55:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: KFriscia@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample reciept, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 1.6 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Kevin J. Friscia, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0133014-01	A0E0418-01	Solid	05/12/20 09:30	05/14/20 11:55
0133014-02	A0E0418-02	Soil	05/12/20 09:30	05/14/20 11:55

Apex Laboratories



Kevin J. Friscia, Project Manager

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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01)				**Matrix: Solid**		**Batch: 0050022**		
Acetone	ND	---	1.00	mg/L	50	05/19/20 12:56	1311/8260D	
Benzene	ND	---	0.0125	mg/L	50	05/19/20 12:56	1311/8260D	
Bromobenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Bromochloromethane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Bromodichloromethane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Bromoform	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Bromomethane	ND	---	0.250	mg/L	50	05/19/20 12:56	1311/8260D	
2-Butanone (MEK)	ND	---	0.500	mg/L	50	05/19/20 12:56	1311/8260D	
n-Butylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
sec-Butylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
tert-Butylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Carbon tetrachloride	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Chlorobenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Chloroethane	ND	---	0.250	mg/L	50	05/19/20 12:56	1311/8260D	EST
Chloroform	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Chloromethane	ND	---	0.250	mg/L	50	05/19/20 12:56	1311/8260D	
2-Chlorotoluene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
4-Chlorotoluene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.250	mg/L	50	05/19/20 12:56	1311/8260D	
Dibromochloromethane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Dibromomethane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,3-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,4-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Dichlorodifluoromethane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,1-Dichloroethane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,1-Dichloroethene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
cis-1,2-Dichloroethene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
trans-1,2-Dichloroethene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,2-Dichloropropane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,3-Dichloropropane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
2,2-Dichloropropane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,1-Dichloropropene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
cis-1,3-Dichloropropene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
trans-1,3-Dichloropropene	ND	---	0.100	mg/L	50	05/19/20 12:56	1311/8260D	
Ethylbenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Hexachlorobutadiene	ND	---	0.250	mg/L	50	05/19/20 12:56	1311/8260D	

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Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01)				**Matrix: Solid**		**Batch: 0050022**		
2-Hexanone	ND	---	0.500	mg/L	50	05/19/20 12:56	1311/8260D	
Isopropylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
4-Isopropyltoluene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.500	mg/L	50	05/19/20 12:56	1311/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Methylene chloride	ND	---	0.500	mg/L	50	05/19/20 12:56	1311/8260D	
n-Propylbenzene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Styrene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Naphthalene	ND	---	0.100	mg/L	50	05/19/20 12:56	1311/8260D	
Tetrachloroethene (PCE)	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Toluene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2,3-Trichlorobenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2,4-Trichlorobenzene	ND	---	0.100	mg/L	50	05/19/20 12:56	1311/8260D	
1,1,1-Trichloroethane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
1,1,2-Trichloroethane	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Trichloroethene (TCE)	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Trichlorofluoromethane	ND	---	0.100	mg/L	50	05/19/20 12:56	1311/8260D	
1,2,3-Trichloropropane	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
Vinyl chloride	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
m,p-Xylene	ND	---	0.0500	mg/L	50	05/19/20 12:56	1311/8260D	
o-Xylene	ND	---	0.0250	mg/L	50	05/19/20 12:56	1311/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:*	*80-120 %*	*1*	*05/19/20 12:56*	*1311/8260D*
Toluene-d8 (Surr)			*102 %*		*80-120 %*	*1*	*05/19/20 12:56*	*1311/8260D*
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*	*1*	*05/19/20 12:56*	*1311/8260D*
0133014-02 (A0E0418-02)				**Matrix: Soil**		**Batch: 0050790**		
Acetone	ND	---	1.00	mg/L	50	05/21/20 13:34	1311/8260D	
Benzene	ND	---	0.0125	mg/L	50	05/21/20 13:34	1311/8260D	
Bromobenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Bromochloromethane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Bromodichloromethane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Bromoform	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Bromomethane	ND	---	0.250	mg/L	50	05/21/20 13:34	1311/8260D	
2-Butanone (MEK)	ND	---	0.500	mg/L	50	05/21/20 13:34	1311/8260D	

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Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-02 (A0E0418-02)				**Matrix: Soil**		**Batch: 0050790**		
n-Butylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
sec-Butylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
tert-Butylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Carbon tetrachloride	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Chlorobenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Chloroethane	ND	---	0.250	mg/L	50	05/21/20 13:34	1311/8260D	ESTa
Chloroform	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Chloromethane	ND	---	0.250	mg/L	50	05/21/20 13:34	1311/8260D	
2-Chlorotoluene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
4-Chlorotoluene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2-Dibromo-3-chloropropane	ND	---	0.250	mg/L	50	05/21/20 13:34	1311/8260D	
Dibromochloromethane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Dibromomethane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,3-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,4-Dichlorobenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Dichlorodifluoromethane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,1-Dichloroethane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,1-Dichloroethene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
cis-1,2-Dichloroethene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
trans-1,2-Dichloroethene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,2-Dichloropropane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,3-Dichloropropane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
2,2-Dichloropropane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,1-Dichloropropene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
cis-1,3-Dichloropropene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
trans-1,3-Dichloropropene	ND	---	0.100	mg/L	50	05/21/20 13:34	1311/8260D	
Ethylbenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Hexachlorobutadiene	ND	---	0.250	mg/L	50	05/21/20 13:34	1311/8260D	
2-Hexanone	ND	---	0.500	mg/L	50	05/21/20 13:34	1311/8260D	
Isopropylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
4-Isopropyltoluene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	0.500	mg/L	50	05/21/20 13:34	1311/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Methylene chloride	ND	---	0.500	mg/L	50	05/21/20 13:34	1311/8260D	
n-Propylbenzene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Styrene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	

Apex Laboratories



Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-02 (A0E0418-02)				**Matrix: Soil**		**Batch: 0050790**		
1,1,1,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Naphthalene	ND	---	0.100	mg/L	50	05/21/20 13:34	1311/8260D	
Tetrachloroethene (PCE)	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Toluene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2,3-Trichlorobenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2,4-Trichlorobenzene	ND	---	0.100	mg/L	50	05/21/20 13:34	1311/8260D	
1,1,1-Trichloroethane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
1,1,2-Trichloroethane	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Trichloroethene (TCE)	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Trichlorofluoromethane	ND	---	0.100	mg/L	50	05/21/20 13:34	1311/8260D	
1,2,3-Trichloropropane	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
Vinyl chloride	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
m,p-Xylene	ND	---	0.0500	mg/L	50	05/21/20 13:34	1311/8260D	
o-Xylene	ND	---	0.0250	mg/L	50	05/21/20 13:34	1311/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*05/21/20 13:34*	*1311/8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*05/21/20 13:34*	*1311/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*05/21/20 13:34*	*1311/8260D*	

Apex Laboratories



Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01RE1)				**Matrix: Solid**		**Batch: 0050843**		
Acenaphthene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Acenaphthylene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Benz(a)anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Benzo(a)pyrene	ND	---	0.00300	mg/L	10	05/26/20 12:00	1311/8270E	
Benzo(b)fluoranthene	ND	---	0.00300	mg/L	10	05/26/20 12:00	1311/8270E	
Benzo(k)fluoranthene	ND	---	0.00300	mg/L	10	05/26/20 12:00	1311/8270E	
Benzo(g,h,i)perylene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Chrysene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Dibenz(a,h)anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Fluoranthene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Fluorene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
1-Methylnaphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:00	1311/8270E	
2-Methylnaphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:00	1311/8270E	
Naphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:00	1311/8270E	
Phenanthrene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Pyrene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Carbazole	ND	---	0.00300	mg/L	10	05/26/20 12:00	1311/8270E	
Dibenzofuran	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
2-Chlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
4-Chloro-3-methylphenol	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
2,4-Dichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
2,4-Dimethylphenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
2,4-Dinitrophenol	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
4,6-Dinitro-2-methylphenol	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
2-Methylphenol	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
3+4-Methylphenol(s)	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
2-Nitrophenol	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
4-Nitrophenol	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
Pentachlorophenol (PCP)	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
Phenol	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
2,3,4,6-Tetrachlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
2,3,5,6-Tetrachlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
2,4,5-Trichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
Nitrobenzene	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
2,4,6-Trichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
Bis(2-ethylhexyl)phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
Butyl benzyl phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01RE1)				**Matrix: Solid**		**Batch: 0050843**		
Diethylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
Dimethylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
Di-n-butylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
Di-n-octyl phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
N-Nitrosodimethylamine	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
N-Nitroso-di-n-propylamine	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
N-Nitrosodiphenylamine	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Bis(2-Chloroethoxy) methane	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Bis(2-Chloroethyl) ether	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
2,2'-Oxybis(1-Chloropropane)	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Hexachlorobenzene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
Hexachlorobutadiene	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Hexachlorocyclopentadiene	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
Hexachloroethane	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
2-Chloronaphthalene	ND	---	0.00200	mg/L	10	05/26/20 12:00	1311/8270E	
1,2,4-Trichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
4-Bromophenyl phenyl ether	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
4-Chlorophenyl phenyl ether	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Aniline	ND	---	0.0100	mg/L	10	05/26/20 12:00	1311/8270E	
4-Chloroaniline	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
2-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
3-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
4-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:00	1311/8270E	
2,4-Dinitrotoluene	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
2,6-Dinitrotoluene	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
Benzoic acid	ND	---	0.250	mg/L	10	05/26/20 12:00	1311/8270E	
Benzyl alcohol	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
Isophorone	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Azobenzene (1,2-DPH)	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Bis(2-Ethylhexyl) adipate	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
1,2-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
1,3-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
1,4-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:00	1311/8270E	
Pyridine	ND	---	0.0200	mg/L	10	05/26/20 12:00	1311/8270E	
1,2-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
1,3-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
1,4-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:00	1311/8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery: 58 %*		*Limits: 44-120 %*	*10*	*05/26/20 12:00*	*1311/8270E*	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01RE1)				**Matrix: Solid**		**Batch: 0050843**		
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*69 %*	*Limits: 44-120 %*	*10*	*05/26/20 12:00*	*1311/8270E*	
Phenol-d6 (Surr)			*18 %*	*10-133 %*	*10*	*05/26/20 12:00*	*1311/8270E*	
p-Terphenyl-d14 (Surr)			*71 %*	*50-134 %*	*10*	*05/26/20 12:00*	*1311/8270E*	
2-Fluorophenol (Surr)			*18 %*	*19-120 %*	*10*	*05/26/20 12:00*	*1311/8270E*	*S-06*
2,4,6-Tribromophenol (Surr)			*47 %*	*43-140 %*	*10*	*05/26/20 12:00*	*1311/8270E*	
0133014-02 (A0E0418-02RE1)				**Matrix: Soil**		**Batch: 0050844**		
Acenaphthene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Acenaphthylene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Benz(a)anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Benzo(a)pyrene	ND	---	0.00300	mg/L	10	05/26/20 12:36	1311/8270E	
Benzo(b)fluoranthene	ND	---	0.00300	mg/L	10	05/26/20 12:36	1311/8270E	
Benzo(k)fluoranthene	ND	---	0.00300	mg/L	10	05/26/20 12:36	1311/8270E	
Benzo(g,h,i)perylene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Chrysene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Dibenz(a,h)anthracene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Fluoranthene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Fluorene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Indeno(1,2,3-cd)pyrene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
1-Methylnaphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:36	1311/8270E	
2-Methylnaphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:36	1311/8270E	
Naphthalene	ND	---	0.00400	mg/L	10	05/26/20 12:36	1311/8270E	
Phenanthrene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Pyrene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Carbazole	ND	---	0.00300	mg/L	10	05/26/20 12:36	1311/8270E	
Dibenzofuran	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
2-Chlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
4-Chloro-3-methylphenol	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
2,4-Dichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
2,4-Dimethylphenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
2,4-Dinitrophenol	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	
4,6-Dinitro-2-methylphenol	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	
2-Methylphenol	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
3+4-Methylphenol(s)	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
2-Nitrophenol	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
4-Nitrophenol	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
Pentachlorophenol (PCP)	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
Phenol	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-02 (A0E0418-02RE1)				**Matrix: Soil**		**Batch: 0050844**		
2,3,4,6-Tetrachlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
2,3,5,6-Tetrachlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
2,4,5-Trichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
Nitrobenzene	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
2,4,6-Trichlorophenol	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
Bis(2-ethylhexyl)phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
Butyl benzyl phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
Diethylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
Dimethylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
Di-n-butylphthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
Di-n-octyl phthalate	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
N-Nitrosodimethylamine	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
N-Nitroso-di-n-propylamine	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
N-Nitrosodiphenylamine	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Bis(2-Chloroethoxy) methane	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Bis(2-Chloroethyl) ether	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
2,2'-Oxybis(1-Chloropropane)	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Hexachlorobenzene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
Hexachlorobutadiene	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Hexachlorocyclopentadiene	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
Hexachloroethane	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
2-Chloronaphthalene	ND	---	0.00200	mg/L	10	05/26/20 12:36	1311/8270E	
1,2,4-Trichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
4-Bromophenyl phenyl ether	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
4-Chlorophenyl phenyl ether	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Aniline	ND	---	0.0100	mg/L	10	05/26/20 12:36	1311/8270E	
4-Chloroaniline	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
2-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
3-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
4-Nitroaniline	ND	---	0.0400	mg/L	10	05/26/20 12:36	1311/8270E	
2,4-Dinitrotoluene	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
2,6-Dinitrotoluene	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
Benzoic acid	ND	---	0.250	mg/L	10	05/26/20 12:36	1311/8270E	
Benzyl alcohol	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
Isophorone	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Azobenzene (1,2-DPH)	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Bis(2-Ethylhexyl) adipate	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	
1,2-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	
1,3-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-02 (A0E0418-02RE1)				**Matrix: Soil**		**Batch: 0050844**		
1,4-Dinitrobenzene	ND	---	0.0500	mg/L	10	05/26/20 12:36	1311/8270E	
Pyridine	ND	---	0.0200	mg/L	10	05/26/20 12:36	1311/8270E	
1,2-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
1,3-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
1,4-Dichlorobenzene	ND	---	0.00500	mg/L	10	05/26/20 12:36	1311/8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*45 %*	*Limits: 44-120 %*	*10*	*05/26/20 12:36*	*1311/8270E*	
2-Fluorobiphenyl (Surr)			*50 %*	*44-120 %*	*10*	*05/26/20 12:36*	*1311/8270E*	
Phenol-d6 (Surr)			*18 %*	*10-133 %*	*10*	*05/26/20 12:36*	*1311/8270E*	
p-Terphenyl-d14 (Surr)			*65 %*	*50-134 %*	*10*	*05/26/20 12:36*	*1311/8270E*	
2-Fluorophenol (Surr)			*25 %*	*19-120 %*	*10*	*05/26/20 12:36*	*1311/8270E*	
2,4,6-Tribromophenol (Surr)			*36 %*	*43-140 %*	*10*	*05/26/20 12:36*	*1311/8270E*	*S-06*

Apex Laboratories



Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Metals by EPA 6020A (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01)				**Matrix: Solid**				
Batch: 0050797								
Arsenic	ND	---	0.100	mg/L	10	05/21/20 20:58	1311/6020A	
Barium	ND	---	5.00	mg/L	10	05/21/20 20:58	1311/6020A	
Cadmium	ND	---	0.100	mg/L	10	05/21/20 20:58	1311/6020A	
Chromium	ND	---	0.100	mg/L	10	05/21/20 20:58	1311/6020A	
Lead	ND	---	0.0500	mg/L	10	05/21/20 20:58	1311/6020A	
Mercury	ND	---	0.00700	mg/L	10	05/21/20 20:58	1311/6020A	
Selenium	ND	---	0.100	mg/L	10	05/21/20 20:58	1311/6020A	
Silver	ND	---	0.100	mg/L	10	05/21/20 20:58	1311/6020A	
0133014-02 (A0E0418-02)				**Matrix: Soil**				
Batch: 0050798								
Arsenic	ND	---	0.100	mg/L	10	05/21/20 21:29	1311/6020A	
Barium	ND	---	5.00	mg/L	10	05/21/20 21:29	1311/6020A	
Cadmium	ND	---	0.100	mg/L	10	05/21/20 21:29	1311/6020A	
Chromium	ND	---	0.100	mg/L	10	05/21/20 21:29	1311/6020A	
Lead	ND	---	0.0500	mg/L	10	05/21/20 21:29	1311/6020A	
Mercury	ND	---	0.00700	mg/L	10	05/21/20 21:29	1311/6020A	
Selenium	ND	---	0.100	mg/L	10	05/21/20 21:29	1311/6020A	
Silver	ND	---	0.100	mg/L	10	05/21/20 21:29	1311/6020A	

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Kevin J. Friscia, Project Manager

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503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

ANALYTICAL SAMPLE RESULTS

TCLP Extraction by EPA 1311 (ZHE)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
0133014-01 (A0E0418-01)				**Matrix: Solid**		**Batch: 0050637**		
TCLP ZHE Extraction	PREP	---		N/A	1	05/18/20 16:05	EPA 1311 ZHE	
TCLP Extraction	PREP	---		N/A	1	05/20/20 18:10	EPA 1311	
TCLP Extraction	PREP	---		N/A	1	05/20/20 18:10	EPA 1311	
0133014-02 (A0E0418-02)				**Matrix: Soil**		**Batch: 0050758**		
TCLP ZHE Extraction	PREP	---		N/A	1	05/20/20 16:10	EPA 1311 ZHE	
TCLP Extraction	PREP	---		N/A	1	05/20/20 18:10	EPA 1311	
TCLP Extraction	PREP	---		N/A	1	05/20/20 18:10	EPA 1311	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (0050022-BLK1)		Prepared: 05/19/20 08:00		Analyzed: 05/19/20 09:57								**TCLP**
1311/8260D												
Acetone	ND	---	1.00	mg/L	50	---	---	---	---	---	---	
Benzene	ND	---	0.0125	mg/L	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	EST
Chloroform	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (0050022-BLK1)		Prepared: 05/19/20 08:00		Analyzed: 05/19/20 09:57								**TCLP**
2,2-Dichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Styrene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Toluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr)	*Recovery: 100 %*	*Limits: 80-120 %*	*Dilution: 1x*	
Toluene-d8 (Surr)	*104 %*	*80-120 %*	*"*	
4-Bromofluorobenzene (Surr)	*99 %*	*80-120 %*	*"*	

Apex Laboratories



Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (0050022-BS1)		Prepared: 05/19/20 08:00		Analyzed: 05/19/20 09:29								**TCLP**
1311/8260D												
Acetone	2.08	---	1.00	mg/L	50	2.00	---	104	80 - 120%	---	---	
Benzene	1.00	---	0.0125	mg/L	50	1.00	---	100	80 - 120%	---	---	
Bromobenzene	0.972	---	0.0250	mg/L	50	1.00	---	97	80 - 120%	---	---	
Bromochloromethane	1.18	---	0.0500	mg/L	50	1.00	---	118	80 - 120%	---	---	
Bromodichloromethane	1.08	---	0.0500	mg/L	50	1.00	---	108	80 - 120%	---	---	
Bromoform	0.906	---	0.0500	mg/L	50	1.00	---	91	80 - 120%	---	---	
Bromomethane	0.928	---	0.250	mg/L	50	1.00	---	93	80 - 120%	---	---	
2-Butanone (MEK)	2.22	---	0.500	mg/L	50	2.00	---	111	80 - 120%	---	---	
n-Butylbenzene	1.08	---	0.0500	mg/L	50	1.00	---	108	80 - 120%	---	---	
sec-Butylbenzene	1.07	---	0.0500	mg/L	50	1.00	---	107	80 - 120%	---	---	
tert-Butylbenzene	1.03	---	0.0500	mg/L	50	1.00	---	103	80 - 120%	---	---	
Carbon tetrachloride	0.937	---	0.0500	mg/L	50	1.00	---	94	80 - 120%	---	---	
Chlorobenzene	0.998	---	0.0250	mg/L	50	1.00	---	100	80 - 120%	---	---	
Chloroethane	1.00	---	0.250	mg/L	50	1.00	---	100	80 - 120%	---	---	EST
Chloroform	1.12	---	0.0500	mg/L	50	1.00	---	112	80 - 120%	---	---	
Chloromethane	1.01	---	0.250	mg/L	50	1.00	---	101	80 - 120%	---	---	
2-Chlorotoluene	1.01	---	0.0500	mg/L	50	1.00	---	101	80 - 120%	---	---	
4-Chlorotoluene	1.01	---	0.0500	mg/L	50	1.00	---	101	80 - 120%	---	---	
1,2-Dibromo-3-chloropropane	0.884	---	0.250	mg/L	50	1.00	---	88	80 - 120%	---	---	
Dibromochloromethane	0.868	---	0.0500	mg/L	50	1.00	---	87	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	1.09	---	0.0250	mg/L	50	1.00	---	109	80 - 120%	---	---	
Dibromomethane	1.10	---	0.0500	mg/L	50	1.00	---	110	80 - 120%	---	---	
1,2-Dichlorobenzene	1.00	---	0.0250	mg/L	50	1.00	---	100	80 - 120%	---	---	
1,3-Dichlorobenzene	0.975	---	0.0250	mg/L	50	1.00	---	98	80 - 120%	---	---	
1,4-Dichlorobenzene	0.984	---	0.0250	mg/L	50	1.00	---	98	80 - 120%	---	---	
Dichlorodifluoromethane	1.02	---	0.0500	mg/L	50	1.00	---	102	80 - 120%	---	---	
1,1-Dichloroethane	1.06	---	0.0250	mg/L	50	1.00	---	106	80 - 120%	---	---	
1,1-Dichloroethene	1.08	---	0.0250	mg/L	50	1.00	---	108	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	1.07	---	0.0250	mg/L	50	1.00	---	107	80 - 120%	---	---	
cis-1,2-Dichloroethene	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
trans-1,2-Dichloroethene	1.05	---	0.0250	mg/L	50	1.00	---	105	80 - 120%	---	---	
1,2-Dichloropropane	1.00	---	0.0250	mg/L	50	1.00	---	100	80 - 120%	---	---	

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Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (0050022-BS1)		Prepared: 05/19/20 08:00		Analyzed: 05/19/20 09:29								**TCLP**
1,3-Dichloropropane	1.05	---	0.0500	mg/L	50	1.00	---	105	80 - 120%	---	---	
2,2-Dichloropropane	1.24	---	0.0500	mg/L	50	1.00	---	**124**	**80 - 120%**	---	---	Q-56
1,1-Dichloropropene	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
cis-1,3-Dichloropropene	1.14	---	0.0500	mg/L	50	1.00	---	114	80 - 120%	---	---	
trans-1,3-Dichloropropene	1.05	---	0.100	mg/L	50	1.00	---	105	80 - 120%	---	---	
Ethylbenzene	1.02	---	0.0250	mg/L	50	1.00	---	102	80 - 120%	---	---	
Hexachlorobutadiene	1.06	---	0.250	mg/L	50	1.00	---	106	80 - 120%	---	---	
2-Hexanone	2.36	---	0.500	mg/L	50	2.00	---	118	80 - 120%	---	---	
Isopropylbenzene	1.05	---	0.0500	mg/L	50	1.00	---	105	80 - 120%	---	---	
4-Isopropyltoluene	1.05	---	0.0500	mg/L	50	1.00	---	105	80 - 120%	---	---	
4-Methyl-2-pentanone (MiBK)	2.40	---	0.500	mg/L	50	2.00	---	120	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	0.994	---	0.0500	mg/L	50	1.00	---	99	80 - 120%	---	---	
Methylene chloride	1.00	---	0.500	mg/L	50	1.00	---	100	80 - 120%	---	---	
n-Propylbenzene	1.02	---	0.0250	mg/L	50	1.00	---	102	80 - 120%	---	---	
Styrene	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
1,1,1,2-Tetrachloroethane	0.964	---	0.0250	mg/L	50	1.00	---	96	80 - 120%	---	---	
1,1,2,2-Tetrachloroethane	1.12	---	0.0250	mg/L	50	1.00	---	112	80 - 120%	---	---	
Naphthalene	1.12	---	0.100	mg/L	50	1.00	---	112	80 - 120%	---	---	
Tetrachloroethene (PCE)	0.992	---	0.0250	mg/L	50	1.00	---	99	80 - 120%	---	---	
Toluene	0.999	---	0.0500	mg/L	50	1.00	---	100	80 - 120%	---	---	
1,2,3-Trichlorobenzene	1.02	---	0.0500	mg/L	50	1.00	---	102	80 - 120%	---	---	
1,2,4-Trichlorobenzene	0.982	---	0.100	mg/L	50	1.00	---	98	80 - 120%	---	---	
1,1,1-Trichloroethane	1.10	---	0.0250	mg/L	50	1.00	---	110	80 - 120%	---	---	
1,1,2-Trichloroethane	1.10	---	0.0250	mg/L	50	1.00	---	110	80 - 120%	---	---	
Trichloroethene (TCE)	0.967	---	0.0250	mg/L	50	1.00	---	97	80 - 120%	---	---	
Trichlorofluoromethane	1.28	---	0.100	mg/L	50	1.00	---	**128**	**80 - 120%**	---	---	Q-56
1,2,3-Trichloropropane	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
1,2,4-Trimethylbenzene	1.03	---	0.0500	mg/L	50	1.00	---	103	80 - 120%	---	---	
1,3,5-Trimethylbenzene	1.04	---	0.0500	mg/L	50	1.00	---	104	80 - 120%	---	---	
Vinyl chloride	0.981	---	0.0250	mg/L	50	1.00	---	98	80 - 120%	---	---	
m,p-Xylene	2.07	---	0.0500	mg/L	50	2.00	---	104	80 - 120%	---	---	
o-Xylene	1.03	---	0.0250	mg/L	50	1.00	---	103	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					

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503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles												**Water**
LCS (0050022-BS1)			Prepared: 05/19/20 08:00		Analyzed: 05/19/20 09:29							**TCLP**
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 95 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Matrix Spike (0050022-MS1)			Prepared: 05/19/20 10:51		Analyzed: 05/19/20 13:23							
QC Source Sample: 0133014-01 (A0E0418-01)												
1311/8260D												
Acetone	1.93	---	1.00	mg/L	50	2.00	ND	96	39 - 160%	---	---	
Benzene	1.00	---	0.0125	mg/L	50	1.00	ND	100	79 - 120%	---	---	
Bromobenzene	0.968	---	0.0250	mg/L	50	1.00	ND	97	80 - 120%	---	---	
Bromochloromethane	1.12	---	0.0500	mg/L	50	1.00	ND	112	78 - 123%	---	---	
Bromodichloromethane	1.06	---	0.0500	mg/L	50	1.00	ND	106	79 - 125%	---	---	
Bromoform	0.903	---	0.0500	mg/L	50	1.00	ND	90	66 - 130%	---	---	
Bromomethane	0.946	---	0.250	mg/L	50	1.00	ND	95	53 - 141%	---	---	
2-Butanone (MEK)	2.06	---	0.500	mg/L	50	2.00	ND	103	56 - 143%	---	---	
n-Butylbenzene	1.13	---	0.0500	mg/L	50	1.00	ND	113	75 - 128%	---	---	
sec-Butylbenzene	1.10	---	0.0500	mg/L	50	1.00	ND	110	77 - 126%	---	---	
tert-Butylbenzene	1.05	---	0.0500	mg/L	50	1.00	ND	105	78 - 124%	---	---	
Carbon tetrachloride	0.990	---	0.0500	mg/L	50	1.00	ND	99	72 - 136%	---	---	
Chlorobenzene	0.970	---	0.0250	mg/L	50	1.00	ND	97	80 - 120%	---	---	
Chloroethane	1.02	---	0.250	mg/L	50	1.00	ND	102	60 - 138%	---	---	EST
Chloroform	1.08	---	0.0500	mg/L	50	1.00	ND	108	79 - 124%	---	---	
Chloromethane	0.997	---	0.250	mg/L	50	1.00	ND	100	50 - 139%	---	---	
2-Chlorotoluene	1.03	---	0.0500	mg/L	50	1.00	ND	103	79 - 122%	---	---	
4-Chlorotoluene	1.01	---	0.0500	mg/L	50	1.00	ND	101	78 - 122%	---	---	
1,2-Dibromo-3-chloropropane	0.896	---	0.250	mg/L	50	1.00	ND	90	62 - 128%	---	---	
Dibromochloromethane	0.856	---	0.0500	mg/L	50	1.00	ND	86	74 - 126%	---	---	
1,2-Dibromoethane (EDB)	1.05	---	0.0250	mg/L	50	1.00	ND	105	77 - 121%	---	---	
Dibromomethane	1.02	---	0.0500	mg/L	50	1.00	ND	102	79 - 123%	---	---	
1,2-Dichlorobenzene	0.996	---	0.0250	mg/L	50	1.00	ND	100	80 - 120%	---	---	
1,3-Dichlorobenzene	0.967	---	0.0250	mg/L	50	1.00	ND	97	80 - 120%	---	---	
1,4-Dichlorobenzene	0.976	---	0.0250	mg/L	50	1.00	ND	98	79 - 120%	---	---	
Dichlorodifluoromethane	1.08	---	0.0500	mg/L	50	1.00	ND	108	32 - 152%	---	---	
1,1-Dichloroethane	1.04	---	0.0250	mg/L	50	1.00	ND	104	77 - 125%	---	---	
1,1-Dichloroethene	1.09	---	0.0250	mg/L	50	1.00	ND	109	71 - 131%	---	---	
1,2-Dichloroethane (EDC)	1.01	---	0.0250	mg/L	50	1.00	ND	101	73 - 128%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles							**Water**					
Matrix Spike (0050022-MS1)		Prepared: 05/19/20 10:51		Analyzed: 05/19/20 13:23								
QC Source Sample: 0133014-01 (A0E0418-01)												
cis-1,2-Dichloroethene	1.03	---	0.0500	mg/L	50	1.00	ND	103	78 - 123%	---	---	
trans-1,2-Dichloroethene	1.05	---	0.0250	mg/L	50	1.00	ND	105	75 - 124%	---	---	
1,2-Dichloropropane	0.970	---	0.0250	mg/L	50	1.00	ND	97	78 - 122%	---	---	
1,3-Dichloropropane	0.992	---	0.0500	mg/L	50	1.00	ND	99	80 - 120%	---	---	
2,2-Dichloropropane	1.24	---	0.0500	mg/L	50	1.00	ND	124	60 - 139%	---	---	Q-54a
1,1-Dichloropropene	1.08	---	0.0500	mg/L	50	1.00	ND	108	79 - 125%	---	---	
cis-1,3-Dichloropropene	1.10	---	0.0500	mg/L	50	1.00	ND	110	75 - 124%	---	---	
trans-1,3-Dichloropropene	1.00	---	0.100	mg/L	50	1.00	ND	100	73 - 127%	---	---	
Ethylbenzene	0.992	---	0.0250	mg/L	50	1.00	ND	99	79 - 121%	---	---	
Hexachlorobutadiene	1.08	---	0.250	mg/L	50	1.00	ND	108	66 - 134%	---	---	
2-Hexanone	2.22	---	0.500	mg/L	50	2.00	ND	111	57 - 139%	---	---	
Isopropylbenzene	1.04	---	0.0500	mg/L	50	1.00	ND	104	72 - 131%	---	---	
4-Isopropyltoluene	1.09	---	0.0500	mg/L	50	1.00	ND	109	77 - 127%	---	---	
4-Methyl-2-pentanone (MiBK)	2.23	---	0.500	mg/L	50	2.00	ND	112	67 - 130%	---	---	
Methyl tert-butyl ether (MTBE)	0.938	---	0.0500	mg/L	50	1.00	ND	94	71 - 124%	---	---	
Methylene chloride	1.00	---	0.500	mg/L	50	1.00	ND	100	74 - 124%	---	---	
n-Propylbenzene	1.04	---	0.0250	mg/L	50	1.00	ND	104	76 - 126%	---	---	
Styrene	1.01	---	0.0500	mg/L	50	1.00	ND	101	78 - 123%	---	---	
1,1,1,2-Tetrachloroethane	0.944	---	0.0250	mg/L	50	1.00	ND	94	78 - 124%	---	---	
1,1,2,2-Tetrachloroethane	1.11	---	0.0250	mg/L	50	1.00	ND	111	71 - 121%	---	---	
Naphthalene	1.12	---	0.100	mg/L	50	1.00	ND	112	61 - 128%	---	---	
Tetrachloroethene (PCE)	1.01	---	0.0250	mg/L	50	1.00	ND	101	74 - 129%	---	---	
Toluene	0.988	---	0.0500	mg/L	50	1.00	ND	99	80 - 121%	---	---	
1,2,3-Trichlorobenzene	1.03	---	0.0500	mg/L	50	1.00	ND	103	69 - 129%	---	---	
1,2,4-Trichlorobenzene	0.980	---	0.100	mg/L	50	1.00	ND	98	69 - 130%	---	---	
1,1,1-Trichloroethane	1.09	---	0.0250	mg/L	50	1.00	ND	109	74 - 131%	---	---	
1,1,2-Trichloroethane	1.05	---	0.0250	mg/L	50	1.00	ND	105	80 - 120%	---	---	
Trichloroethene (TCE)	0.956	---	0.0250	mg/L	50	1.00	ND	96	79 - 123%	---	---	
Trichlorofluoromethane	1.33	---	0.100	mg/L	50	1.00	ND	133	65 - 141%	---	---	Q-54c
1,2,3-Trichloropropane	1.06	---	0.0500	mg/L	50	1.00	ND	106	73 - 122%	---	---	
1,2,4-Trimethylbenzene	1.05	---	0.0500	mg/L	50	1.00	ND	105	76 - 124%	---	---	
1,3,5-Trimethylbenzene	1.06	---	0.0500	mg/L	50	1.00	ND	106	75 - 124%	---	---	
Vinyl chloride	1.01	---	0.0250	mg/L	50	1.00	ND	101	58 - 137%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
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503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050022 - EPA 1311/5030B TCLP Volatiles												**Water**
Matrix Spike (0050022-MS1)			Prepared: 05/19/20 10:51		Analyzed: 05/19/20 13:23							
QC Source Sample: 0133014-01 (A0E0418-01)												
m,p-Xylene	2.00	---	0.0500	mg/L	50	2.00	ND	100	80 - 121%	---	---	
o-Xylene	0.990	---	0.0250	mg/L	50	1.00	ND	99	78 - 122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*			*"*				

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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050790 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (0050790-BLK1)		Prepared: 05/21/20 09:40		Analyzed: 05/21/20 11:44								**TCLPb**
1311/8260D												
Acetone	ND	---	1.00	mg/L	50	---	---	---	---	---	---	
Benzene	ND	---	0.0125	mg/L	50	---	---	---	---	---	---	
Bromobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromoform	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Bromomethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Chloroethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	ESTa
Chloroform	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Chloromethane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Dibromomethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050790 - EPA 1311/5030B TCLP Volatiles							**Water**					
Blank (0050790-BLK1)		Prepared: 05/21/20 09:40		Analyzed: 05/21/20 11:44								**TCLPb**
2,2-Dichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.250	mg/L	50	---	---	---	---	---	---	
2-Hexanone	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Methylene chloride	ND	---	0.500	mg/L	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Styrene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Toluene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	0.100	mg/L	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	0.0500	mg/L	50	---	---	---	---	---	---	
o-Xylene	ND	---	0.0250	mg/L	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr)	*Recovery: 101 %*	*Limits: 80-120 %*	*Dilution: 1x*	
Toluene-d8 (Surr)	*102 %*	*80-120 %*	*"*	
4-Bromofluorobenzene (Surr)	*97 %*	*80-120 %*	*"*	

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

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503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050790 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (0050790-BS1)		Prepared: 05/21/20 09:40		Analyzed: 05/21/20 11:17								**TCLPb**
1311/8260D												
Acetone	2.01	---	1.00	mg/L	50	2.00	---	100	80 - 120%	---	---	
Benzene	1.04	---	0.0125	mg/L	50	1.00	---	104	80 - 120%	---	---	
Bromobenzene	0.922	---	0.0250	mg/L	50	1.00	---	92	80 - 120%	---	---	
Bromochloromethane	1.17	---	0.0500	mg/L	50	1.00	---	117	80 - 120%	---	---	
Bromodichloromethane	1.08	---	0.0500	mg/L	50	1.00	---	108	80 - 120%	---	---	
Bromoform	0.879	---	0.0500	mg/L	50	1.00	---	88	80 - 120%	---	---	
Bromomethane	0.976	---	0.250	mg/L	50	1.00	---	98	80 - 120%	---	---	
2-Butanone (MEK)	2.16	---	0.500	mg/L	50	2.00	---	108	80 - 120%	---	---	
n-Butylbenzene	1.08	---	0.0500	mg/L	50	1.00	---	108	80 - 120%	---	---	
sec-Butylbenzene	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
tert-Butylbenzene	1.02	---	0.0500	mg/L	50	1.00	---	102	80 - 120%	---	---	
Carbon tetrachloride	0.976	---	0.0500	mg/L	50	1.00	---	98	80 - 120%	---	---	
Chlorobenzene	1.00	---	0.0250	mg/L	50	1.00	---	100	80 - 120%	---	---	
Chloroethane	1.05	---	0.250	mg/L	50	1.00	---	105	80 - 120%	---	---	ESTa
Chloroform	1.13	---	0.0500	mg/L	50	1.00	---	113	80 - 120%	---	---	
Chloromethane	1.04	---	0.250	mg/L	50	1.00	---	104	80 - 120%	---	---	
2-Chlorotoluene	0.988	---	0.0500	mg/L	50	1.00	---	99	80 - 120%	---	---	
4-Chlorotoluene	0.984	---	0.0500	mg/L	50	1.00	---	98	80 - 120%	---	---	
1,2-Dibromo-3-chloropropane	0.812	---	0.250	mg/L	50	1.00	---	81	80 - 120%	---	---	
Dibromochloromethane	0.838	---	0.0500	mg/L	50	1.00	---	84	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	1.04	---	0.0250	mg/L	50	1.00	---	104	80 - 120%	---	---	
Dibromomethane	1.05	---	0.0500	mg/L	50	1.00	---	105	80 - 120%	---	---	
1,2-Dichlorobenzene	0.973	---	0.0250	mg/L	50	1.00	---	97	80 - 120%	---	---	
1,3-Dichlorobenzene	0.970	---	0.0250	mg/L	50	1.00	---	97	80 - 120%	---	---	
1,4-Dichlorobenzene	0.953	---	0.0250	mg/L	50	1.00	---	95	80 - 120%	---	---	
Dichlorodifluoromethane	1.10	---	0.0500	mg/L	50	1.00	---	110	80 - 120%	---	---	
1,1-Dichloroethane	1.09	---	0.0250	mg/L	50	1.00	---	109	80 - 120%	---	---	
1,1-Dichloroethene	1.14	---	0.0250	mg/L	50	1.00	---	114	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	1.06	---	0.0250	mg/L	50	1.00	---	106	80 - 120%	---	---	
cis-1,2-Dichloroethene	1.10	---	0.0500	mg/L	50	1.00	---	110	80 - 120%	---	---	
trans-1,2-Dichloroethene	1.09	---	0.0250	mg/L	50	1.00	---	109	80 - 120%	---	---	
1,2-Dichloropropane	1.01	---	0.0250	mg/L	50	1.00	---	101	80 - 120%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050790 - EPA 1311/5030B TCLP Volatiles							**Water**					
LCS (0050790-BS1)		Prepared: 05/21/20 09:40		Analyzed: 05/21/20 11:17								**TCLPb**
1,3-Dichloropropane	1.02	---	0.0500	mg/L	50	1.00	---	102	80 - 120%	---	---	
2,2-Dichloropropane	1.27	---	0.0500	mg/L	50	1.00	---	**127**	**80 - 120%**	---	---	Q-56
1,1-Dichloropropene	1.13	---	0.0500	mg/L	50	1.00	---	113	80 - 120%	---	---	
cis-1,3-Dichloropropene	1.11	---	0.0500	mg/L	50	1.00	---	111	80 - 120%	---	---	
trans-1,3-Dichloropropene	0.997	---	0.100	mg/L	50	1.00	---	100	80 - 120%	---	---	
Ethylbenzene	1.03	---	0.0250	mg/L	50	1.00	---	103	80 - 120%	---	---	
Hexachlorobutadiene	1.05	---	0.250	mg/L	50	1.00	---	105	80 - 120%	---	---	
2-Hexanone	2.28	---	0.500	mg/L	50	2.00	---	114	80 - 120%	---	---	
Isopropylbenzene	1.08	---	0.0500	mg/L	50	1.00	---	108	80 - 120%	---	---	
4-Isopropyltoluene	1.05	---	0.0500	mg/L	50	1.00	---	105	80 - 120%	---	---	
4-Methyl-2-pentanone (MiBK)	2.28	---	0.500	mg/L	50	2.00	---	114	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	0.976	---	0.0500	mg/L	50	1.00	---	98	80 - 120%	---	---	
Methylene chloride	1.04	---	0.500	mg/L	50	1.00	---	104	80 - 120%	---	---	
n-Propylbenzene	1.01	---	0.0250	mg/L	50	1.00	---	101	80 - 120%	---	---	
Styrene	1.06	---	0.0500	mg/L	50	1.00	---	106	80 - 120%	---	---	
1,1,1,2-Tetrachloroethane	0.922	---	0.0250	mg/L	50	1.00	---	92	80 - 120%	---	---	
1,1,2,2-Tetrachloroethane	1.05	---	0.0250	mg/L	50	1.00	---	105	80 - 120%	---	---	
Naphthalene	1.06	---	0.100	mg/L	50	1.00	---	106	80 - 120%	---	---	
Tetrachloroethene (PCE)	1.03	---	0.0250	mg/L	50	1.00	---	103	80 - 120%	---	---	
Toluene	1.01	---	0.0500	mg/L	50	1.00	---	101	80 - 120%	---	---	
1,2,3-Trichlorobenzene	0.998	---	0.0500	mg/L	50	1.00	---	100	80 - 120%	---	---	
1,2,4-Trichlorobenzene	0.945	---	0.100	mg/L	50	1.00	---	94	80 - 120%	---	---	
1,1,1-Trichloroethane	1.11	---	0.0250	mg/L	50	1.00	---	111	80 - 120%	---	---	
1,1,2-Trichloroethane	1.06	---	0.0250	mg/L	50	1.00	---	106	80 - 120%	---	---	
Trichloroethene (TCE)	0.998	---	0.0250	mg/L	50	1.00	---	100	80 - 120%	---	---	
Trichlorofluoromethane	1.36	---	0.100	mg/L	50	1.00	---	**136**	**80 - 120%**	---	---	Q-56
1,2,3-Trichloropropane	0.992	---	0.0500	mg/L	50	1.00	---	99	80 - 120%	---	---	
1,2,4-Trimethylbenzene	1.01	---	0.0500	mg/L	50	1.00	---	101	80 - 120%	---	---	
1,3,5-Trimethylbenzene	1.02	---	0.0500	mg/L	50	1.00	---	102	80 - 120%	---	---	
Vinyl chloride	1.06	---	0.0250	mg/L	50	1.00	---	106	80 - 120%	---	---	
m,p-Xylene	2.09	---	0.0500	mg/L	50	2.00	---	105	80 - 120%	---	---	
o-Xylene	1.04	---	0.0250	mg/L	50	1.00	---	104	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*101 %*		*80-120 %*			*"*					

Apex Laboratories



Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Volatile Organic Compounds by EPA 1311/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050790 - EPA 1311/5030B TCLP Volatiles												**Water**
LCS (0050790-BS1)			Prepared: 05/21/20 09:40 Analyzed: 05/21/20 11:17									**TCLPb**
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 92 %*		*Limits: 80-120 %*				*Dilution: 1x*			

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Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
Blank (0050843-BLK1)		Prepared: 05/22/20 10:00			Analyzed: 05/22/20 18:09							
1311/8270E												
Acenaphthene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Chrysene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Fluorene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Pyrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Carbazole	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Phenol	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	

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Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
Blank (0050843-BLK1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 18:09								
2,3,5,6-Tetrachlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Nitrobenzene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Hexachloroethane	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Aniline	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
4-Chloroaniline	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
3-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
4-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Benzoic acid	ND	---	0.0250	mg/L	1	---	---	---	---	---	---	
Benzyl alcohol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Isophorone	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	

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Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)									**Water**			
Blank (0050843-BLK1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 18:09								
Azobenzene (1,2-DPH)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,2-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
Pyridine	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 83 %*		*Limits: 44-120 %*				*Dilution: 1x*				
2-Fluorobiphenyl (Surr)		*63 %*		*44-120 %*				*"*				
Phenol-d6 (Surr)		*24 %*		*10-133 %*				*"*				
p-Terphenyl-d14 (Surr)		*83 %*		*50-134 %*				*"*				
2-Fluorophenol (Surr)		*39 %*		*19-120 %*				*"*				
2,4,6-Tribromophenol (Surr)		*82 %*		*43-140 %*				*"*				
LCS (0050843-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 18:45								
1311/8270E												
Acenaphthene	0.0332	---	0.000400	mg/L	2	0.0400	---	83	47 - 122%	---	---	
Acenaphthylene	0.0347	---	0.000400	mg/L	2	0.0400	---	87	41 - 130%	---	---	
Anthracene	0.0352	---	0.000400	mg/L	2	0.0400	---	88	57 - 123%	---	---	
Benz(a)anthracene	0.0347	---	0.000400	mg/L	2	0.0400	---	87	58 - 125%	---	---	
Benzo(a)pyrene	0.0378	---	0.000600	mg/L	2	0.0400	---	95	54 - 128%	---	---	
Benzo(b)fluoranthene	0.0357	---	0.000600	mg/L	2	0.0400	---	89	53 - 131%	---	---	
Benzo(k)fluoranthene	0.0367	---	0.000600	mg/L	2	0.0400	---	92	57 - 129%	---	---	
Benzo(g,h,i)perylene	0.0368	---	0.000400	mg/L	2	0.0400	---	92	50 - 134%	---	---	
Chrysene	0.0358	---	0.000400	mg/L	2	0.0400	---	89	59 - 123%	---	---	
Dibenz(a,h)anthracene	0.0361	---	0.000400	mg/L	2	0.0400	---	90	51 - 134%	---	---	
Fluoranthene	0.0354	---	0.000400	mg/L	2	0.0400	---	88	57 - 128%	---	---	
Fluorene	0.0334	---	0.000400	mg/L	2	0.0400	---	83	52 - 124%	---	---	
Indeno(1,2,3-cd)pyrene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	52 - 134%	---	---	
1-Methylnaphthalene	0.0313	---	0.000800	mg/L	2	0.0400	---	78	41 - 120%	---	---	
2-Methylnaphthalene	0.0307	---	0.000800	mg/L	2	0.0400	---	77	40 - 121%	---	---	
Naphthalene	0.0305	---	0.000800	mg/L	2	0.0400	---	76	40 - 121%	---	---	

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Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS (0050843-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 18:45								
Phenanthrene	0.0340	---	0.000400	mg/L	2	0.0400	---	85	59 - 120%	---	---	
Pyrene	0.0351	---	0.000400	mg/L	2	0.0400	---	88	57 - 126%	---	---	
Carbazole	0.0409	---	0.000600	mg/L	2	0.0400	---	102	60 - 122%	---	---	
Dibenzofuran	0.0329	---	0.000400	mg/L	2	0.0400	---	82	53 - 120%	---	---	
2-Chlorophenol	0.0322	---	0.00200	mg/L	2	0.0400	---	80	38 - 120%	---	---	
4-Chloro-3-methylphenol	0.0344	---	0.00400	mg/L	2	0.0400	---	86	52 - 120%	---	---	
2,4-Dichlorophenol	0.0355	---	0.00200	mg/L	2	0.0400	---	89	47 - 121%	---	---	
2,4-Dimethylphenol	0.0297	---	0.00200	mg/L	2	0.0400	---	74	31 - 124%	---	---	
2,4-Dinitrophenol	0.0407	---	0.0100	mg/L	2	0.0400	---	102	23 - 143%	---	---	
4,6-Dinitro-2-methylphenol	0.0354	---	0.0100	mg/L	2	0.0400	---	89	44 - 137%	---	---	
2-Methylphenol	0.0299	---	0.00100	mg/L	2	0.0400	---	75	30 - 120%	---	---	
3+4-Methylphenol(s)	0.0273	---	0.00100	mg/L	2	0.0400	---	68	29 - 120%	---	---	
2-Nitrophenol	0.0357	---	0.00400	mg/L	2	0.0400	---	89	47 - 123%	---	---	Q-41
4-Nitrophenol	0.0124	---	0.00400	mg/L	2	0.0400	---	31	10 - 120%	---	---	
Pentachlorophenol (PCP)	0.0359	---	0.00400	mg/L	2	0.0400	---	90	35 - 138%	---	---	
Phenol	0.0150	---	0.00800	mg/L	2	0.0400	---	38	10 - 120%	---	---	
2,3,4,6-Tetrachlorophenol	0.0361	---	0.00200	mg/L	2	0.0400	---	90	50 - 128%	---	---	
2,3,5,6-Tetrachlorophenol	0.0367	---	0.00200	mg/L	2	0.0400	---	92	50 - 121%	---	---	
2,4,5-Trichlorophenol	0.0380	---	0.00200	mg/L	2	0.0400	---	95	53 - 123%	---	---	
Nitrobenzene	0.0346	---	0.00400	mg/L	2	0.0400	---	86	45 - 121%	---	---	
2,4,6-Trichlorophenol	0.0380	---	0.00200	mg/L	2	0.0400	---	95	50 - 125%	---	---	
Bis(2-ethylhexyl)phthalate	0.0383	---	0.00800	mg/L	2	0.0400	---	96	55 - 135%	---	---	
Butyl benzyl phthalate	0.0382	---	0.00800	mg/L	2	0.0400	---	95	53 - 134%	---	---	
Diethylphthalate	0.0324	---	0.00800	mg/L	2	0.0400	---	81	56 - 125%	---	---	
Dimethylphthalate	0.0350	---	0.00800	mg/L	2	0.0400	---	88	45 - 127%	---	---	
Di-n-butylphthalate	0.0363	---	0.00800	mg/L	2	0.0400	---	91	59 - 127%	---	---	
Di-n-octyl phthalate	0.0361	---	0.00800	mg/L	2	0.0400	---	90	51 - 140%	---	---	Q-31
N-Nitrosodimethylamine	0.0222	---	0.00100	mg/L	2	0.0400	---	56	10 - 120%	---	---	
N-Nitroso-di-n-propylamine	0.0357	---	0.00100	mg/L	2	0.0400	---	89	49 - 120%	---	---	
N-Nitrosodiphenylamine	0.0370	---	0.00100	mg/L	2	0.0400	---	92	51 - 123%	---	---	
Bis(2-Chloroethoxy) methane	0.0333	---	0.00100	mg/L	2	0.0400	---	83	48 - 120%	---	---	
Bis(2-Chloroethyl) ether	0.0402	---	0.00100	mg/L	2	0.0400	---	101	43 - 120%	---	---	
2,2'-Oxybis(1-Chloropropane)	0.0323	---	0.00100	mg/L	2	0.0400	---	81	37 - 130%	---	---	
Hexachlorobenzene	0.0340	---	0.000400	mg/L	2	0.0400	---	85	53 - 125%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS (0050843-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 18:45								
Hexachlorobutadiene	0.0291	---	0.00100	mg/L	2	0.0400	---	73	22 - 124%	---	---	
Hexachlorocyclopentadiene	0.0357	---	0.00200	mg/L	2	0.0400	---	89	10 - 127%	---	---	
Hexachloroethane	0.0287	---	0.00100	mg/L	2	0.0400	---	72	21 - 120%	---	---	
2-Chloronaphthalene	0.0332	---	0.000400	mg/L	2	0.0400	---	83	40 - 120%	---	---	
1,2,4-Trichlorobenzene	0.0304	---	0.00100	mg/L	2	0.0400	---	76	29 - 120%	---	---	
4-Bromophenyl phenyl ether	0.0353	---	0.00100	mg/L	2	0.0400	---	88	55 - 124%	---	---	
4-Chlorophenyl phenyl ether	0.0327	---	0.00100	mg/L	2	0.0400	---	82	53 - 121%	---	---	
Aniline	0.0181	---	0.00200	mg/L	2	0.0400	---	45	10 - 120%	---	---	Q-31
4-Chloroaniline	0.0229	---	0.00100	mg/L	2	0.0400	---	57	33 - 120%	---	---	Q-31
2-Nitroaniline	0.0397	---	0.00800	mg/L	2	0.0400	---	99	55 - 127%	---	---	
3-Nitroaniline	0.0303	---	0.00800	mg/L	2	0.0400	---	76	41 - 128%	---	---	
4-Nitroaniline	0.0364	---	0.00800	mg/L	2	0.0400	---	91	54 - 128%	---	---	
2,4-Dinitrotoluene	0.0354	---	0.00400	mg/L	2	0.0400	---	88	57 - 128%	---	---	
2,6-Dinitrotoluene	0.0364	---	0.00400	mg/L	2	0.0400	---	91	57 - 124%	---	---	
Benzoic acid	0.0427	---	0.0250	mg/L	2	0.0800	---	53	10 - 120%	---	---	
Benzyl alcohol	0.0251	---	0.00400	mg/L	2	0.0400	---	63	31 - 120%	---	---	
Isophorone	0.0336	---	0.00100	mg/L	2	0.0400	---	84	42 - 124%	---	---	
Azobenzene (1,2-DPH)	0.0359	---	0.00100	mg/L	2	0.0400	---	90	61 - 120%	---	---	
Bis(2-Ethylhexyl) adipate	0.0349	---	0.0100	mg/L	2	0.0400	---	87	57 - 136%	---	---	Q-31
1,2-Dinitrobenzene	0.0368	---	0.0100	mg/L	2	0.0400	---	92	59 - 120%	---	---	
1,3-Dinitrobenzene	0.0379	---	0.0100	mg/L	2	0.0400	---	95	49 - 128%	---	---	
1,4-Dinitrobenzene	0.0377	---	0.0100	mg/L	2	0.0400	---	94	72 - 130%	---	---	
Pyridine	0.0231	---	0.00400	mg/L	2	0.0400	---	58	10 - 120%	---	---	
1,2-Dichlorobenzene	0.0293	---	0.00100	mg/L	2	0.0400	---	73	32 - 120%	---	---	
1,3-Dichlorobenzene	0.0281	---	0.00100	mg/L	2	0.0400	---	70	28 - 120%	---	---	
1,4-Dichlorobenzene	0.0286	---	0.00100	mg/L	2	0.0400	---	71	29 - 120%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 83 %*		*Limits: 44-120 %*			*Dilution: 2x*				
2-Fluorobiphenyl (Surr)			*81 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*31 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*85 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*45 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*92 %*		*43-140 %*			*"*				
LCS Dup (0050843-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 19:21								**Q-19**

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS Dup (0050843-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 19:21								**Q-19**
1311/8270E												
Acenaphthene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	47 - 122%	3	30%	
Acenaphthylene	0.0356	---	0.000400	mg/L	2	0.0400	---	89	41 - 130%	3	30%	
Anthracene	0.0364	---	0.000400	mg/L	2	0.0400	---	91	57 - 123%	4	30%	
Benz(a)anthracene	0.0360	---	0.000400	mg/L	2	0.0400	---	90	58 - 125%	4	30%	
Benzo(a)pyrene	0.0386	---	0.000600	mg/L	2	0.0400	---	97	54 - 128%	2	30%	
Benzo(b)fluoranthene	0.0373	---	0.000600	mg/L	2	0.0400	---	93	53 - 131%	4	30%	
Benzo(k)fluoranthene	0.0382	---	0.000600	mg/L	2	0.0400	---	95	57 - 129%	4	30%	
Benzo(g,h,i)perylene	0.0381	---	0.000400	mg/L	2	0.0400	---	95	50 - 134%	3	30%	
Chrysene	0.0366	---	0.000400	mg/L	2	0.0400	---	92	59 - 123%	2	30%	
Dibenz(a,h)anthracene	0.0367	---	0.000400	mg/L	2	0.0400	---	92	51 - 134%	1	30%	
Fluoranthene	0.0374	---	0.000400	mg/L	2	0.0400	---	93	57 - 128%	6	30%	
Fluorene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	52 - 124%	3	30%	
Indeno(1,2,3-cd)pyrene	0.0355	---	0.000400	mg/L	2	0.0400	---	89	52 - 134%	3	30%	
1-Methylnaphthalene	0.0329	---	0.000800	mg/L	2	0.0400	---	82	41 - 120%	5	30%	
2-Methylnaphthalene	0.0328	---	0.000800	mg/L	2	0.0400	---	82	40 - 121%	7	30%	
Naphthalene	0.0322	---	0.000800	mg/L	2	0.0400	---	80	40 - 121%	5	30%	
Phenanthrene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	59 - 120%	1	30%	
Pyrene	0.0375	---	0.000400	mg/L	2	0.0400	---	94	57 - 126%	6	30%	
Carbazole	0.0425	---	0.000600	mg/L	2	0.0400	---	106	60 - 122%	4	30%	
Dibenzofuran	0.0349	---	0.000400	mg/L	2	0.0400	---	87	53 - 120%	6	30%	
2-Chlorophenol	0.0333	---	0.00200	mg/L	2	0.0400	---	83	38 - 120%	3	30%	
4-Chloro-3-methylphenol	0.0366	---	0.00400	mg/L	2	0.0400	---	91	52 - 120%	6	30%	
2,4-Dichlorophenol	0.0374	---	0.00200	mg/L	2	0.0400	---	94	47 - 121%	5	30%	
2,4-Dimethylphenol	0.0311	---	0.00200	mg/L	2	0.0400	---	78	31 - 124%	5	30%	
2,4-Dinitrophenol	0.0434	---	0.0100	mg/L	2	0.0400	---	109	23 - 143%	7	30%	
4,6-Dinitro-2-methylphenol	0.0383	---	0.0100	mg/L	2	0.0400	---	96	44 - 137%	8	30%	
2-Methylphenol	0.0302	---	0.00100	mg/L	2	0.0400	---	75	30 - 120%	1	30%	
3+4-Methylphenol(s)	0.0271	---	0.00100	mg/L	2	0.0400	---	68	29 - 120%	1	30%	
2-Nitrophenol	0.0395	---	0.00400	mg/L	2	0.0400	---	99	47 - 123%	10	30%	Q-41
4-Nitrophenol	0.0138	---	0.00400	mg/L	2	0.0400	---	34	10 - 120%	10	30%	
Pentachlorophenol (PCP)	0.0374	---	0.00400	mg/L	2	0.0400	---	93	35 - 138%	4	30%	
Phenol	0.0158	---	0.00800	mg/L	2	0.0400	---	39	10 - 120%	5	30%	
2,3,4,6-Tetrachlorophenol	0.0374	---	0.00200	mg/L	2	0.0400	---	94	50 - 128%	4	30%	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS Dup (0050843-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 19:21								**Q-19**
2,3,5,6-Tetrachlorophenol	0.0381	---	0.00200	mg/L	2	0.0400	---	95	50 - 121%	4	30%	
2,4,5-Trichlorophenol	0.0387	---	0.00200	mg/L	2	0.0400	---	97	53 - 123%	2	30%	
Nitrobenzene	0.0340	---	0.00400	mg/L	2	0.0400	---	85	45 - 121%	2	30%	
2,4,6-Trichlorophenol	0.0391	---	0.00200	mg/L	2	0.0400	---	98	50 - 125%	3	30%	
Bis(2-ethylhexyl)phthalate	0.0384	---	0.00800	mg/L	2	0.0400	---	96	55 - 135%	0.1	30%	
Butyl benzyl phthalate	0.0391	---	0.00800	mg/L	2	0.0400	---	98	53 - 134%	2	30%	
Diethylphthalate	0.0335	---	0.00800	mg/L	2	0.0400	---	84	56 - 125%	3	30%	
Dimethylphthalate	0.0360	---	0.00800	mg/L	2	0.0400	---	90	45 - 127%	3	30%	
Di-n-butylphthalate	0.0373	---	0.00800	mg/L	2	0.0400	---	93	59 - 127%	3	30%	
Di-n-octyl phthalate	0.0383	---	0.00800	mg/L	2	0.0400	---	96	51 - 140%	6	30%	Q-31
N-Nitrosodimethylamine	0.0245	---	0.00100	mg/L	2	0.0400	---	61	10 - 120%	10	30%	
N-Nitroso-di-n-propylamine	0.0342	---	0.00100	mg/L	2	0.0400	---	86	49 - 120%	4	30%	
N-Nitrosodiphenylamine	0.0367	---	0.00100	mg/L	2	0.0400	---	92	51 - 123%	0.6	30%	
Bis(2-Chloroethoxy) methane	0.0345	---	0.00100	mg/L	2	0.0400	---	86	48 - 120%	3	30%	
Bis(2-Chloroethyl) ether	0.0394	---	0.00100	mg/L	2	0.0400	---	99	43 - 120%	2	30%	
2,2'-Oxybis(1-Chloropropane)	0.0317	---	0.00100	mg/L	2	0.0400	---	79	37 - 130%	2	30%	
Hexachlorobenzene	0.0342	---	0.000400	mg/L	2	0.0400	---	85	53 - 125%	0.4	30%	
Hexachlorobutadiene	0.0310	---	0.00100	mg/L	2	0.0400	---	77	22 - 124%	6	30%	
Hexachlorocyclopentadiene	0.0365	---	0.00200	mg/L	2	0.0400	---	91	10 - 127%	2	30%	
Hexachloroethane	0.0308	---	0.00100	mg/L	2	0.0400	---	77	21 - 120%	7	30%	
2-Chloronaphthalene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	40 - 120%	4	30%	
1,2,4-Trichlorobenzene	0.0319	---	0.00100	mg/L	2	0.0400	---	80	29 - 120%	5	30%	
4-Bromophenyl phenyl ether	0.0362	---	0.00100	mg/L	2	0.0400	---	91	55 - 124%	3	30%	
4-Chlorophenyl phenyl ether	0.0338	---	0.00100	mg/L	2	0.0400	---	85	53 - 121%	3	30%	
Aniline	0.0200	---	0.00200	mg/L	2	0.0400	---	50	10 - 120%	10	30%	Q-31
4-Chloroaniline	0.0240	---	0.00100	mg/L	2	0.0400	---	60	33 - 120%	5	30%	Q-31
2-Nitroaniline	0.0425	---	0.00800	mg/L	2	0.0400	---	106	55 - 127%	7	30%	
3-Nitroaniline	0.0329	---	0.00800	mg/L	2	0.0400	---	82	41 - 128%	8	30%	
4-Nitroaniline	0.0409	---	0.00800	mg/L	2	0.0400	---	102	54 - 128%	12	30%	
2,4-Dinitrotoluene	0.0376	---	0.00400	mg/L	2	0.0400	---	94	57 - 128%	6	30%	
2,6-Dinitrotoluene	0.0384	---	0.00400	mg/L	2	0.0400	---	96	57 - 124%	5	30%	
Benzoic acid	0.0463	---	0.0250	mg/L	2	0.0800	---	58	10 - 120%	8	30%	
Benzyl alcohol	0.0250	---	0.00400	mg/L	2	0.0400	---	63	31 - 120%	0.3	30%	
Isophorone	0.0353	---	0.00100	mg/L	2	0.0400	---	88	42 - 124%	5	30%	

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050843 - EPA 1311/3510C (BNA Extraction)									**Water**			
LCS Dup (0050843-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 19:21								**Q-19**
Azobenzene (1,2-DPH)	0.0363	---	0.00100	mg/L	2	0.0400	---	91	61 - 120%	1	30%	
Bis(2-Ethylhexyl) adipate	0.0365	---	0.0100	mg/L	2	0.0400	---	91	57 - 136%	4	30%	Q-31
1,2-Dinitrobenzene	0.0384	---	0.0100	mg/L	2	0.0400	---	96	59 - 120%	4	30%	
1,3-Dinitrobenzene	0.0396	---	0.0100	mg/L	2	0.0400	---	99	49 - 128%	5	30%	
1,4-Dinitrobenzene	0.0396	---	0.0100	mg/L	2	0.0400	---	99	72 - 130%	5	30%	
Pyridine	0.0242	---	0.00400	mg/L	2	0.0400	---	60	10 - 120%	5	30%	
1,2-Dichlorobenzene	0.0305	---	0.00100	mg/L	2	0.0400	---	76	32 - 120%	4	30%	
1,3-Dichlorobenzene	0.0295	---	0.00100	mg/L	2	0.0400	---	74	28 - 120%	5	30%	
1,4-Dichlorobenzene	0.0299	---	0.00100	mg/L	2	0.0400	---	75	29 - 120%	4	30%	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 81 %*		*Limits: 44-120 %*			*Dilution: 2x*					
2-Fluorobiphenyl (Surr)		*81 %*		*44-120 %*			*"*					
Phenol-d6 (Surr)		*32 %*		*10-133 %*			*"*					
p-Terphenyl-d14 (Surr)		*86 %*		*50-134 %*			*"*					
2-Fluorophenol (Surr)		*48 %*		*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)		*94 %*		*43-140 %*			*"*					

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
Blank (0050844-BLK1)		Prepared: 05/22/20 10:00			Analyzed: 05/22/20 20:33							
1311/8270E												
Acenaphthene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Chrysene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Fluorene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.000400	mg/L	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Pyrene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Carbazole	ND	---	0.000300	mg/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Phenol	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
Blank (0050844-BLK1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 20:33								
2,3,5,6-Tetrachlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Nitrobenzene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2,2'-Oxybis(1-Chloropropane)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Hexachlorobenzene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
Hexachloroethane	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Chloronaphthalene	ND	---	0.000200	mg/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Aniline	ND	---	0.00100	mg/L	1	---	---	---	---	---	---	
4-Chloroaniline	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
2-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
3-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
4-Nitroaniline	ND	---	0.00400	mg/L	1	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Benzoic acid	ND	---	0.0250	mg/L	1	---	---	---	---	---	---	
Benzyl alcohol	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
Isophorone	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)									**Water**			
Blank (0050844-BLK1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 20:33								
Azobenzene (1,2-DPH)	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,2-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	---	0.00500	mg/L	1	---	---	---	---	---	---	
Pyridine	ND	---	0.00200	mg/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.000500	mg/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 72 %*		*Limits: 44-120 %*				*Dilution: 1x*				
2-Fluorobiphenyl (Surr)		*64 %*		*44-120 %*				*"*				
Phenol-d6 (Surr)		*20 %*		*10-133 %*				*"*				
p-Terphenyl-d14 (Surr)		*82 %*		*50-134 %*				*"*				
2-Fluorophenol (Surr)		*39 %*		*19-120 %*				*"*				
2,4,6-Tribromophenol (Surr)		*77 %*		*43-140 %*				*"*				
LCS (0050844-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:09								
1311/8270E												
Acenaphthene	0.0328	---	0.000400	mg/L	2	0.0400	---	82	47 - 122%	---	---	
Acenaphthylene	0.0338	---	0.000400	mg/L	2	0.0400	---	85	41 - 130%	---	---	
Anthracene	0.0353	---	0.000400	mg/L	2	0.0400	---	88	57 - 123%	---	---	
Benz(a)anthracene	0.0355	---	0.000400	mg/L	2	0.0400	---	89	58 - 125%	---	---	
Benzo(a)pyrene	0.0382	---	0.000600	mg/L	2	0.0400	---	95	54 - 128%	---	---	
Benzo(b)fluoranthene	0.0372	---	0.000600	mg/L	2	0.0400	---	93	53 - 131%	---	---	
Benzo(k)fluoranthene	0.0372	---	0.000600	mg/L	2	0.0400	---	93	57 - 129%	---	---	
Benzo(g,h,i)perylene	0.0372	---	0.000400	mg/L	2	0.0400	---	93	50 - 134%	---	---	
Chrysene	0.0355	---	0.000400	mg/L	2	0.0400	---	89	59 - 123%	---	---	
Dibenz(a,h)anthracene	0.0369	---	0.000400	mg/L	2	0.0400	---	92	51 - 134%	---	---	
Fluoranthene	0.0356	---	0.000400	mg/L	2	0.0400	---	89	57 - 128%	---	---	
Fluorene	0.0330	---	0.000400	mg/L	2	0.0400	---	82	52 - 124%	---	---	
Indeno(1,2,3-cd)pyrene	0.0350	---	0.000400	mg/L	2	0.0400	---	87	52 - 134%	---	---	
1-Methylnaphthalene	0.0316	---	0.000800	mg/L	2	0.0400	---	79	41 - 120%	---	---	
2-Methylnaphthalene	0.0317	---	0.000800	mg/L	2	0.0400	---	79	40 - 121%	---	---	
Naphthalene	0.0302	---	0.000800	mg/L	2	0.0400	---	76	40 - 121%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS (0050844-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:09								
Phenanthrene	0.0340	---	0.000400	mg/L	2	0.0400	---	85	59 - 120%	---	---	
Pyrene	0.0358	---	0.000400	mg/L	2	0.0400	---	89	57 - 126%	---	---	
Carbazole	0.0377	---	0.000600	mg/L	2	0.0400	---	94	60 - 122%	---	---	
Dibenzofuran	0.0330	---	0.000400	mg/L	2	0.0400	---	83	53 - 120%	---	---	
2-Chlorophenol	0.0327	---	0.00200	mg/L	2	0.0400	---	82	38 - 120%	---	---	
4-Chloro-3-methylphenol	0.0352	---	0.00400	mg/L	2	0.0400	---	88	52 - 120%	---	---	
2,4-Dichlorophenol	0.0367	---	0.00200	mg/L	2	0.0400	---	92	47 - 121%	---	---	
2,4-Dimethylphenol	0.0293	---	0.00200	mg/L	2	0.0400	---	73	31 - 124%	---	---	
2,4-Dinitrophenol	0.0405	---	0.0100	mg/L	2	0.0400	---	101	23 - 143%	---	---	
4,6-Dinitro-2-methylphenol	0.0360	---	0.0100	mg/L	2	0.0400	---	90	44 - 137%	---	---	
2-Methylphenol	0.0294	---	0.00100	mg/L	2	0.0400	---	74	30 - 120%	---	---	
3+4-Methylphenol(s)	0.0270	---	0.00100	mg/L	2	0.0400	---	68	29 - 120%	---	---	
2-Nitrophenol	0.0371	---	0.00400	mg/L	2	0.0400	---	93	47 - 123%	---	---	Q-41
4-Nitrophenol	0.0124	---	0.00400	mg/L	2	0.0400	---	31	10 - 120%	---	---	
Pentachlorophenol (PCP)	0.0360	---	0.00400	mg/L	2	0.0400	---	90	35 - 138%	---	---	
Phenol	0.0149	---	0.00800	mg/L	2	0.0400	---	37	10 - 120%	---	---	
2,3,4,6-Tetrachlorophenol	0.0359	---	0.00200	mg/L	2	0.0400	---	90	50 - 128%	---	---	
2,3,5,6-Tetrachlorophenol	0.0361	---	0.00200	mg/L	2	0.0400	---	90	50 - 121%	---	---	
2,4,5-Trichlorophenol	0.0374	---	0.00200	mg/L	2	0.0400	---	93	53 - 123%	---	---	
Nitrobenzene	0.0335	---	0.00400	mg/L	2	0.0400	---	84	45 - 121%	---	---	
2,4,6-Trichlorophenol	0.0374	---	0.00200	mg/L	2	0.0400	---	94	50 - 125%	---	---	
Bis(2-ethylhexyl)phthalate	0.0389	---	0.00800	mg/L	2	0.0400	---	97	55 - 135%	---	---	
Butyl benzyl phthalate	0.0378	---	0.00800	mg/L	2	0.0400	---	95	53 - 134%	---	---	
Diethylphthalate	0.0318	---	0.00800	mg/L	2	0.0400	---	79	56 - 125%	---	---	
Dimethylphthalate	0.0351	---	0.00800	mg/L	2	0.0400	---	88	45 - 127%	---	---	
Di-n-butylphthalate	0.0360	---	0.00800	mg/L	2	0.0400	---	90	59 - 127%	---	---	
Di-n-octyl phthalate	0.0371	---	0.00800	mg/L	2	0.0400	---	93	51 - 140%	---	---	Q-31
N-Nitrosodimethylamine	0.0239	---	0.00100	mg/L	2	0.0400	---	60	10 - 120%	---	---	
N-Nitroso-di-n-propylamine	0.0343	---	0.00100	mg/L	2	0.0400	---	86	49 - 120%	---	---	
N-Nitrosodiphenylamine	0.0367	---	0.00100	mg/L	2	0.0400	---	92	51 - 123%	---	---	
Bis(2-Chloroethoxy) methane	0.0344	---	0.00100	mg/L	2	0.0400	---	86	48 - 120%	---	---	
Bis(2-Chloroethyl) ether	0.0378	---	0.00100	mg/L	2	0.0400	---	94	43 - 120%	---	---	
2,2'-Oxybis(1-Chloropropane)	0.0313	---	0.00100	mg/L	2	0.0400	---	78	37 - 130%	---	---	
Hexachlorobenzene	0.0344	---	0.000400	mg/L	2	0.0400	---	86	53 - 125%	---	---	

Apex Laboratories



Kevin J. Friscia, Project Manager

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EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS (0050844-BS1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:09								
Hexachlorobutadiene	0.0295	---	0.00100	mg/L	2	0.0400	---	74	22 - 124%	---	---	
Hexachlorocyclopentadiene	0.0353	---	0.00200	mg/L	2	0.0400	---	88	10 - 127%	---	---	
Hexachloroethane	0.0288	---	0.00100	mg/L	2	0.0400	---	72	21 - 120%	---	---	
2-Chloronaphthalene	0.0331	---	0.000400	mg/L	2	0.0400	---	83	40 - 120%	---	---	
1,2,4-Trichlorobenzene	0.0311	---	0.00100	mg/L	2	0.0400	---	78	29 - 120%	---	---	
4-Bromophenyl phenyl ether	0.0360	---	0.00100	mg/L	2	0.0400	---	90	55 - 124%	---	---	
4-Chlorophenyl phenyl ether	0.0325	---	0.00100	mg/L	2	0.0400	---	81	53 - 121%	---	---	
Aniline	0.0167	---	0.00200	mg/L	2	0.0400	---	42	10 - 120%	---	---	Q-31
4-Chloroaniline	0.0218	---	0.00100	mg/L	2	0.0400	---	55	33 - 120%	---	---	Q-31
2-Nitroaniline	0.0400	---	0.00800	mg/L	2	0.0400	---	100	55 - 127%	---	---	
3-Nitroaniline	0.0232	---	0.00800	mg/L	2	0.0400	---	58	41 - 128%	---	---	
4-Nitroaniline	0.0332	---	0.00800	mg/L	2	0.0400	---	83	54 - 128%	---	---	
2,4-Dinitrotoluene	0.0358	---	0.00400	mg/L	2	0.0400	---	89	57 - 128%	---	---	
2,6-Dinitrotoluene	0.0362	---	0.00400	mg/L	2	0.0400	---	90	57 - 124%	---	---	
Benzoic acid	0.0443	---	0.0250	mg/L	2	0.0800	---	55	10 - 120%	---	---	
Benzyl alcohol	0.0232	---	0.00400	mg/L	2	0.0400	---	58	31 - 120%	---	---	
Isophorone	0.0345	---	0.00100	mg/L	2	0.0400	---	86	42 - 124%	---	---	
Azobenzene (1,2-DPH)	0.0359	---	0.00100	mg/L	2	0.0400	---	90	61 - 120%	---	---	
Bis(2-Ethylhexyl) adipate	0.0356	---	0.0100	mg/L	2	0.0400	---	89	57 - 136%	---	---	Q-31
1,2-Dinitrobenzene	0.0359	---	0.0100	mg/L	2	0.0400	---	90	59 - 120%	---	---	
1,3-Dinitrobenzene	0.0379	---	0.0100	mg/L	2	0.0400	---	95	49 - 128%	---	---	
1,4-Dinitrobenzene	0.0382	---	0.0100	mg/L	2	0.0400	---	96	72 - 130%	---	---	
Pyridine	0.0234	---	0.00400	mg/L	2	0.0400	---	59	10 - 120%	---	---	
1,2-Dichlorobenzene	0.0291	---	0.00100	mg/L	2	0.0400	---	73	32 - 120%	---	---	
1,3-Dichlorobenzene	0.0279	---	0.00100	mg/L	2	0.0400	---	70	28 - 120%	---	---	
1,4-Dichlorobenzene	0.0283	---	0.00100	mg/L	2	0.0400	---	71	29 - 120%	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 82 %*		*Limits: 44-120 %*			*Dilution: 2x*					
2-Fluorobiphenyl (Surr)		*78 %*		*44-120 %*			*"*					
Phenol-d6 (Surr)		*30 %*		*10-133 %*			*"*					
p-Terphenyl-d14 (Surr)		*85 %*		*50-134 %*			*"*					
2-Fluorophenol (Surr)		*46 %*		*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)		*93 %*		*43-140 %*			*"*					
LCS Dup (0050844-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:45								**Q-19**

Apex Laboratories



Kevin J. Friscia, Project Manager

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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS Dup (0050844-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:45								**Q-19**
1311/8270E												
Acenaphthene	0.0313	---	0.000400	mg/L	2	0.0400	---	78	47 - 122%	5	30%	
Acenaphthylene	0.0327	---	0.000400	mg/L	2	0.0400	---	82	41 - 130%	3	30%	
Anthracene	0.0352	---	0.000400	mg/L	2	0.0400	---	88	57 - 123%	0.3	30%	
Benz(a)anthracene	0.0352	---	0.000400	mg/L	2	0.0400	---	88	58 - 125%	0.9	30%	
Benzo(a)pyrene	0.0373	---	0.000600	mg/L	2	0.0400	---	93	54 - 128%	2	30%	
Benzo(b)fluoranthene	0.0365	---	0.000600	mg/L	2	0.0400	---	91	53 - 131%	2	30%	
Benzo(k)fluoranthene	0.0363	---	0.000600	mg/L	2	0.0400	---	91	57 - 129%	3	30%	
Benzo(g,h,i)perylene	0.0372	---	0.000400	mg/L	2	0.0400	---	93	50 - 134%	0.09	30%	
Chrysene	0.0351	---	0.000400	mg/L	2	0.0400	---	88	59 - 123%	1	30%	
Dibenz(a,h)anthracene	0.0361	---	0.000400	mg/L	2	0.0400	---	90	51 - 134%	2	30%	
Fluoranthene	0.0354	---	0.000400	mg/L	2	0.0400	---	89	57 - 128%	0.6	30%	
Fluorene	0.0323	---	0.000400	mg/L	2	0.0400	---	81	52 - 124%	2	30%	
Indeno(1,2,3-cd)pyrene	0.0350	---	0.000400	mg/L	2	0.0400	---	88	52 - 134%	0.1	30%	
1-Methylnaphthalene	0.0311	---	0.000800	mg/L	2	0.0400	---	78	41 - 120%	2	30%	
2-Methylnaphthalene	0.0304	---	0.000800	mg/L	2	0.0400	---	76	40 - 121%	4	30%	
Naphthalene	0.0298	---	0.000800	mg/L	2	0.0400	---	75	40 - 121%	1	30%	
Phenanthrene	0.0337	---	0.000400	mg/L	2	0.0400	---	84	59 - 120%	1	30%	
Pyrene	0.0353	---	0.000400	mg/L	2	0.0400	---	88	57 - 126%	1	30%	
Carbazole	0.0377	---	0.000600	mg/L	2	0.0400	---	94	60 - 122%	0.2	30%	
Dibenzofuran	0.0325	---	0.000400	mg/L	2	0.0400	---	81	53 - 120%	2	30%	
2-Chlorophenol	0.0314	---	0.00200	mg/L	2	0.0400	---	79	38 - 120%	4	30%	
4-Chloro-3-methylphenol	0.0351	---	0.00400	mg/L	2	0.0400	---	88	52 - 120%	0.2	30%	
2,4-Dichlorophenol	0.0362	---	0.00200	mg/L	2	0.0400	---	91	47 - 121%	1	30%	
2,4-Dimethylphenol	0.0281	---	0.00200	mg/L	2	0.0400	---	70	31 - 124%	4	30%	
2,4-Dinitrophenol	0.0400	---	0.0100	mg/L	2	0.0400	---	100	23 - 143%	1	30%	
4,6-Dinitro-2-methylphenol	0.0360	---	0.0100	mg/L	2	0.0400	---	90	44 - 137%	0.2	30%	
2-Methylphenol	0.0272	---	0.00100	mg/L	2	0.0400	---	68	30 - 120%	8	30%	
3+4-Methylphenol(s)	0.0250	---	0.00100	mg/L	2	0.0400	---	62	29 - 120%	8	30%	
2-Nitrophenol	0.0374	---	0.00400	mg/L	2	0.0400	---	93	47 - 123%	0.7	30%	Q-41
4-Nitrophenol	0.0122	---	0.00400	mg/L	2	0.0400	---	30	10 - 120%	2	30%	
Pentachlorophenol (PCP)	0.0374	---	0.00400	mg/L	2	0.0400	---	93	35 - 138%	4	30%	
Phenol	0.0137	---	0.00800	mg/L	2	0.0400	---	34	10 - 120%	8	30%	
2,3,4,6-Tetrachlorophenol	0.0346	---	0.00200	mg/L	2	0.0400	---	86	50 - 128%	4	30%	

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)							**Water**					
LCS Dup (0050844-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:45								**Q-19**
2,3,5,6-Tetrachlorophenol	0.0356	---	0.00200	mg/L	2	0.0400	---	89	50 - 121%	1	30%	
2,4,5-Trichlorophenol	0.0365	---	0.00200	mg/L	2	0.0400	---	91	53 - 123%	3	30%	
Nitrobenzene	0.0321	---	0.00400	mg/L	2	0.0400	---	80	45 - 121%	4	30%	
2,4,6-Trichlorophenol	0.0362	---	0.00200	mg/L	2	0.0400	---	91	50 - 125%	3	30%	
Bis(2-ethylhexyl)phthalate	0.0372	---	0.00800	mg/L	2	0.0400	---	93	55 - 135%	4	30%	
Butyl benzyl phthalate	0.0374	---	0.00800	mg/L	2	0.0400	---	93	53 - 134%	1	30%	
Diethylphthalate	0.0316	---	0.00800	mg/L	2	0.0400	---	79	56 - 125%	0.6	30%	
Dimethylphthalate	0.0332	---	0.00800	mg/L	2	0.0400	---	83	45 - 127%	6	30%	
Di-n-butylphthalate	0.0357	---	0.00800	mg/L	2	0.0400	---	89	59 - 127%	0.9	30%	
Di-n-octyl phthalate	0.0359	---	0.00800	mg/L	2	0.0400	---	90	51 - 140%	3	30%	Q-31
N-Nitrosodimethylamine	0.0225	---	0.00100	mg/L	2	0.0400	---	56	10 - 120%	6	30%	
N-Nitroso-di-n-propylamine	0.0322	---	0.00100	mg/L	2	0.0400	---	81	49 - 120%	6	30%	
N-Nitrosodiphenylamine	0.0367	---	0.00100	mg/L	2	0.0400	---	92	51 - 123%	0.06	30%	
Bis(2-Chloroethoxy) methane	0.0339	---	0.00100	mg/L	2	0.0400	---	85	48 - 120%	1	30%	
Bis(2-Chloroethyl) ether	0.0372	---	0.00100	mg/L	2	0.0400	---	93	43 - 120%	1	30%	
2,2'-Oxybis(1-Chloropropane)	0.0292	---	0.00100	mg/L	2	0.0400	---	73	37 - 130%	7	30%	
Hexachlorobenzene	0.0339	---	0.000400	mg/L	2	0.0400	---	85	53 - 125%	2	30%	
Hexachlorobutadiene	0.0290	---	0.00100	mg/L	2	0.0400	---	73	22 - 124%	2	30%	
Hexachlorocyclopentadiene	0.0330	---	0.00200	mg/L	2	0.0400	---	82	10 - 127%	7	30%	
Hexachloroethane	0.0270	---	0.00100	mg/L	2	0.0400	---	68	21 - 120%	6	30%	
2-Chloronaphthalene	0.0319	---	0.000400	mg/L	2	0.0400	---	80	40 - 120%	4	30%	
1,2,4-Trichlorobenzene	0.0298	---	0.00100	mg/L	2	0.0400	---	74	29 - 120%	4	30%	
4-Bromophenyl phenyl ether	0.0348	---	0.00100	mg/L	2	0.0400	---	87	55 - 124%	3	30%	
4-Chlorophenyl phenyl ether	0.0320	---	0.00100	mg/L	2	0.0400	---	80	53 - 121%	1	30%	
Aniline	0.0162	---	0.00200	mg/L	2	0.0400	---	41	10 - 120%	3	30%	Q-31
4-Chloroaniline	0.0227	---	0.00100	mg/L	2	0.0400	---	57	33 - 120%	4	30%	Q-31
2-Nitroaniline	0.0387	---	0.00800	mg/L	2	0.0400	---	97	55 - 127%	3	30%	
3-Nitroaniline	0.0259	---	0.00800	mg/L	2	0.0400	---	65	41 - 128%	11	30%	
4-Nitroaniline	0.0336	---	0.00800	mg/L	2	0.0400	---	84	54 - 128%	1	30%	
2,4-Dinitrotoluene	0.0351	---	0.00400	mg/L	2	0.0400	---	88	57 - 128%	2	30%	
2,6-Dinitrotoluene	0.0358	---	0.00400	mg/L	2	0.0400	---	89	57 - 124%	1	30%	
Benzoic acid	0.0439	---	0.0250	mg/L	2	0.0800	---	55	10 - 120%	0.8	30%	
Benzyl alcohol	0.0219	---	0.00400	mg/L	2	0.0400	---	55	31 - 120%	6	30%	
Isophorone	0.0348	---	0.00100	mg/L	2	0.0400	---	87	42 - 124%	0.6	30%	

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Kevin J. Friscia, Project Manager

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503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050844 - EPA 1311/3510C (BNA Extraction)									**Water**			
LCS Dup (0050844-BSD1)		Prepared: 05/22/20 10:00		Analyzed: 05/22/20 21:45								**Q-19**
Azobenzene (1,2-DPH)	0.0345	---	0.00100	mg/L	2	0.0400	---	86	61 - 120%	4	30%	
Bis(2-Ethylhexyl) adipate	0.0346	---	0.0100	mg/L	2	0.0400	---	86	57 - 136%	3	30%	Q-31
1,2-Dinitrobenzene	0.0357	---	0.0100	mg/L	2	0.0400	---	89	59 - 120%	0.6	30%	
1,3-Dinitrobenzene	0.0371	---	0.0100	mg/L	2	0.0400	---	93	49 - 128%	2	30%	
1,4-Dinitrobenzene	0.0387	---	0.0100	mg/L	2	0.0400	---	97	72 - 130%	1	30%	
Pyridine	0.0222	---	0.00400	mg/L	2	0.0400	---	55	10 - 120%	5	30%	
1,2-Dichlorobenzene	0.0272	---	0.00100	mg/L	2	0.0400	---	68	32 - 120%	7	30%	
1,3-Dichlorobenzene	0.0261	---	0.00100	mg/L	2	0.0400	---	65	28 - 120%	7	30%	
1,4-Dichlorobenzene	0.0263	---	0.00100	mg/L	2	0.0400	---	66	29 - 120%	7	30%	
Surr: Nitrobenzene-d5 (Surr)		*Recovery: 77 %*		*Limits: 44-120 %*			*Dilution: 2x*					
2-Fluorobiphenyl (Surr)		*75 %*		*44-120 %*			*"*					
Phenol-d6 (Surr)		*28 %*		*10-133 %*			*"*					
p-Terphenyl-d14 (Surr)		*81 %*		*50-134 %*			*"*					
2-Fluorophenol (Surr)		*43 %*		*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)		*90 %*		*43-140 %*			*"*					

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020A (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050797 - EPA 1311/3015							**Solid**					
Blank (0050797-BLK1)		Prepared: 05/21/20 10:12		Analyzed: 05/21/20 20:48								
1311/6020A												
Arsenic	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPa
Barium	ND	---	5.00	mg/L	10	---	---	---	---	---	---	TCLPa
Cadmium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPa
Chromium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPa
Lead	ND	---	0.0500	mg/L	10	---	---	---	---	---	---	TCLPa
Mercury	ND	---	0.00700	mg/L	10	---	---	---	---	---	---	TCLPa
Selenium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPa
Silver	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPa
LCS (0050797-BS1)		Prepared: 05/21/20 10:12		Analyzed: 05/21/20 20:53								
1311/6020A												
Arsenic	4.93	---	0.100	mg/L	10	5.00	---	99	80 - 120%	---	---	TCLPa
Barium	10.5	---	5.00	mg/L	10	10.0	---	105	80 - 120%	---	---	TCLPa
Cadmium	1.02	---	0.100	mg/L	10	1.00	---	102	80 - 120%	---	---	TCLPa
Chromium	4.79	---	0.100	mg/L	10	5.00	---	96	80 - 120%	---	---	TCLPa
Lead	4.98	---	0.0500	mg/L	10	5.00	---	100	80 - 120%	---	---	TCLPa
Mercury	0.100	---	0.00700	mg/L	10	0.100	---	100	80 - 120%	---	---	TCLPa
Selenium	0.969	---	0.100	mg/L	10	1.00	---	97	80 - 120%	---	---	TCLPa
Silver	0.978	---	0.100	mg/L	10	1.00	---	98	80 - 120%	---	---	TCLPa
Matrix Spike (0050797-MS1)		Prepared: 05/21/20 10:12		Analyzed: 05/21/20 21:04								
QC Source Sample: 0133014-01 (A0E0418-01)												
1311/6020A												
Arsenic	4.91	---	0.100	mg/L	10	5.00	ND	98	50 - 150%	---	---	
Barium	10.3	---	5.00	mg/L	10	10.0	ND	103	50 - 150%	---	---	
Cadmium	1.02	---	0.100	mg/L	10	1.00	ND	102	50 - 150%	---	---	
Chromium	4.76	---	0.100	mg/L	10	5.00	ND	95	50 - 150%	---	---	
Lead	5.20	---	0.0500	mg/L	10	5.00	ND	104	50 - 150%	---	---	
Mercury	0.107	---	0.00700	mg/L	10	0.100	ND	107	50 - 150%	---	---	
Selenium	0.984	---	0.100	mg/L	10	1.00	ND	98	50 - 150%	---	---	
Silver	0.982	---	0.100	mg/L	10	1.00	ND	98	50 - 150%	---	---	

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Kevin J. Friscia, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020A (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050798 - EPA 1311/3015							**Soil**					
Blank (0050798-BLK1)		Prepared: 05/21/20 10:14		Analyzed: 05/21/20 21:09								
1311/6020A												
Arsenic	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPc
Barium	ND	---	5.00	mg/L	10	---	---	---	---	---	---	TCLPc
Cadmium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPc
Chromium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPc
Lead	ND	---	0.0500	mg/L	10	---	---	---	---	---	---	TCLPc
Mercury	ND	---	0.00700	mg/L	10	---	---	---	---	---	---	TCLPc
Selenium	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPc
Silver	ND	---	0.100	mg/L	10	---	---	---	---	---	---	TCLPc
LCS (0050798-BS1)		Prepared: 05/21/20 10:14		Analyzed: 05/21/20 21:14								
1311/6020A												
Arsenic	4.97	---	0.100	mg/L	10	5.00	---	99	80 - 120%	---	---	TCLPc
Barium	10.7	---	5.00	mg/L	10	10.0	---	107	80 - 120%	---	---	TCLPc
Cadmium	1.02	---	0.100	mg/L	10	1.00	---	102	80 - 120%	---	---	TCLPc
Chromium	4.86	---	0.100	mg/L	10	5.00	---	97	80 - 120%	---	---	TCLPc
Lead	5.21	---	0.0500	mg/L	10	5.00	---	104	80 - 120%	---	---	TCLPc
Mercury	0.104	---	0.00700	mg/L	10	0.100	---	104	80 - 120%	---	---	TCLPc
Selenium	0.983	---	0.100	mg/L	10	1.00	---	98	80 - 120%	---	---	TCLPc
Silver	0.998	---	0.100	mg/L	10	1.00	---	100	80 - 120%	---	---	TCLPc
Matrix Spike (0050798-MS1)		Prepared: 05/21/20 10:14		Analyzed: 05/21/20 21:34								
QC Source Sample: 0133014-02 (A0E0418-02)												
1311/6020A												
Arsenic	4.93	---	0.100	mg/L	10	5.00	ND	99	50 - 150%	---	---	
Barium	10.4	---	5.00	mg/L	10	10.0	ND	104	50 - 150%	---	---	
Cadmium	1.00	---	0.100	mg/L	10	1.00	ND	100	50 - 150%	---	---	
Chromium	4.81	---	0.100	mg/L	10	5.00	ND	96	50 - 150%	---	---	
Lead	5.08	---	0.0500	mg/L	10	5.00	ND	102	50 - 150%	---	---	
Mercury	0.100	---	0.00700	mg/L	10	0.100	ND	100	50 - 150%	---	---	
Selenium	0.967	---	0.100	mg/L	10	1.00	ND	97	50 - 150%	---	---	
Silver	0.972	---	0.100	mg/L	10	1.00	ND	97	50 - 150%	---	---	

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Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

SAMPLE PREPARATION INFORMATION

TCLP Volatile Organic Compounds by EPA 1311/8260D

Prep: EPA 1311/5030B TCLP Volatiles

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0050022							
A0E0418-01	Solid	1311/8260D	05/12/20 09:30	05/19/20 10:51	5mL/5mL	5mL/5mL	1.00
Batch: 0050790							
A0E0418-02	Soil	1311/8260D	05/12/20 09:30	05/21/20 09:41	5mL/5mL	5mL/5mL	1.00

TCLP Semivolatile Organic Compounds by EPA 1311/8270E

Prep: EPA 1311/3510C (BNA Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0050843							
A0E0418-01RE1	Solid	1311/8270E	05/12/20 09:30	05/22/20 10:00	200mL/2mL	200mL/2mL	1.00
Batch: 0050844							
A0E0418-02RE1	Soil	1311/8270E	05/12/20 09:30	05/22/20 10:00	200mL/2mL	200mL/2mL	1.00

TCLP Metals by EPA 6020A (ICPMS)

Prep: EPA 1311/3015

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0050797							
A0E0418-01	Solid	1311/6020A	05/12/20 09:30	05/21/20 10:12	10mL/50mL	10mL/50mL	1.00
Batch: 0050798							
A0E0418-02	Soil	1311/6020A	05/12/20 09:30	05/21/20 10:14	10mL/50mL	10mL/50mL	1.00

TCLP Extraction by EPA 1311

Prep: EPA 1311 (TCLP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0050732							
A0E0418-01	Solid	EPA 1311	05/12/20 09:30	05/20/20 18:10	65.32g/1306mL	100g/2000mL	NA
Batch: 0050771							
A0E0418-02	Soil	EPA 1311	05/12/20 09:30	05/20/20 18:10	65.178g/1303.5mL	100g/2000mL	NA

Prep: EPA 1311 TCLP/ZHE

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0050637							

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Kevin J. Friscia, Project Manager

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Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

SAMPLE PREPARATION INFORMATION

TCLP Extraction by EPA 1311 (ZHE)

Prep: EPA 1311 TCLP/ZHE

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0E0418-01	Solid	EPA 1311 ZHE	05/12/20 09:30	05/18/20 16:05	20.04g/400mL	25g/500mL	NA
Batch: 0050758							
A0E0418-02	Soil	EPA 1311 ZHE	05/12/20 09:30	05/20/20 16:10	20.1g/400mL	25g/500mL	NA

Apex Laboratories



Kevin J. Friscia, Project Manager

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

EST	Result reported as an Estimated Value. Results Estimated. Initial Calibration Verification Standard (ICV) failed low.
ESTa	Result reported as an Estimated Value. Results Estimated. Initial Calibration Verification Standard (ICV) failed low.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260C/8270D by +4.4%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260C/8270D by +8.1%. The results are reported as Estimated Values.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260C
S-06	Surrogate recovery is outside of established control limits.
TCLP	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 0050637.
TCLPa	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 0050732.
TCLPb	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 0050758.
TCLPc	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 0050771.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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Kevin J. Friscia, Project Manager

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Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories



Kevin J. Friscia, Project Manager

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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories



Kevin J. Friscia, Project Manager

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503-718-2323
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Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

Alexin Analytical Laboratories, INC.

Professional Laboratory Services

SUBCONTRACT ORDER

A0E0418

Sending Laboratory:

Alexin Analytical Laboratories, Inc.
13035 SW Pacific Hwy
Tigard, OR 97223
Phone: 503-639-9311
Fax: 503-684-1588

Project Manager: Adriana Gonzalez-Gray

Subcontracted Laboratory:

Apex Labs
6700 SW Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 718-0333

Work Order: 0133014

Analysis	Due	Expires	Comments
Sample ID: 0133014-01 ***Solid Sampled: 05/12/2020 09:30***			
8270	06/01/2020	05/26/2020 09:30	TCLP
8260	06/01/2020	05/26/2020 09:30	TCLP
TCLP-8	06/01/2020	06/09/2020 09:30	TCLP
Containers Supplied: CG 1L (A)			
Sample ID: 0133014-02 ***Solid Sampled: 05/12/2020 09:30***			
8270	06/01/2020	05/26/2020 09:30	TCLP
8260	06/01/2020	05/26/2020 09:30	TCLP
TCLP-8	06/01/2020	06/09/2020 09:30	TCLP
Containers Supplied: CG 1L (A)			

JV-Labs — Released By — 5/14/20 @ 1155 — Date

Apex Labs — Received By — 5/14/20 @ 1155 — Date

Page 1 of 1

Apex Laboratories

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Kevin J. Friscia, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Alexin Analytical Laboratories	Project: **General Subcontract**	
13035 SW Pacific Hwy	Project Number: **0133014**	**Report ID:**
Tigard, OR 97223	Project Manager: **Adriana Gonzales-Gray**	**A0E0418 - 05 27 20 1009**

APEX LABS COOLER RECEIPT FORM

Client: Alexin Analytical Element WO#: A0 E0418

Project/Project #: General Subcontract / #0133014

Delivery Info:

Date/time received: 5/14/20 @ 1155 By: AKK

Delivered by: Apex ___ Client X ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 5/14/20 @ 1155 By: AKK

Chain of Custody included? Yes X No ___ Custody seals? Yes ___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.6						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Gel						
Condition:	Good						

Cooler out of temp? (Y/N) Possible reason why: ___

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 5/15/20 @ 8:04 By: MS

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: ___

Labeled by: MS Witness: S Cooler Inspected by: AKK See Project Contact Form: Y

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Kevin J. Friscia, Project Manager

Alexin Analytical LABORATORIES, INC.
Professional Laboratory Services

Chain of Custody Record

Laboratory Job Number: 0133014-01-02

13035 SW Pacific Hwy Tigard, OR 97223 ph: 503.639.9311 fax: 503.684.1588 email:mail@alexinlabs.com

Page 1 of 1

Client Contact Information	Results Reporting Information	Invoicing Information
Company/Client Name: WESTROCK NEWBERG	Project Manager:	Accounts Payable Contact: Mitch JANSEN
Address: 1301 WYNOOSKI ST	Mailing Address:	Mailing Address: SAME
City/State/Zip: Newberg OR 97132	City/State/Zip:	City/State/Zip:
phone: 503-969-5799	phone:	phone:
fax or email: rob.roholt@westrock.com	fax or email:	[redacted] or email: mitchell.jansen@westrock.com

SAMPLING INFORMATION

Sampling Location: [redacted] Lagoons [redacted]
Sampled By: Rob Roholt
P.O. #:
Project Name:
Project #:
PWSID #:
Permit #:
Send results to OR State Health Division? (Please circle) Yes No

Lab ID (Lab use only)	Sample Identification (Please enter a unique ID per line for each separate sample)	Date Collected	Time Collected (Begin-End if comp.)	Sample Matrix*	# of cont. rec'd	Analysis Requested**: TCLP Metals	TCLP SVOCs	TCLP VOCs	SEE ATTACHED	Sample Specific Notes/Field Data (for each WW sample, specify Grab / Composite; for each DW sample, specify Raw / Treated, Source / Distribution, Single / Combined WHERE APPLICABLE)
-01	North Lagoon Sediments	5-12-20	0930	S	1	X	X	X		
-02	Clarivac Sediments	5-12-20	0958	S	1	X	X	X		
										Place a rush on sample analysis.

Relinquished By (print)	Company	Date/Time	Signature	Received By	Company	Date/Time	Signature
Rob Roholt	Westrock Newberg	5-12-20	Robert Roholt				
Relinquished By (print):	Company:	Date/Time:	Signature:	Received By:	Company:	Date/Time:	Signature:
				Received By:	Company:	Date/Time:	Signature:

The most current revision of SOP-10-003 was used when these samples were collected ☐

Received by Laboratory Log-In Staff: RAD 5/12/20 Date/Time: 1155 Temp. on receipt: 12.2 °C Containers Intact? (Y) N On ice? (Y) N ID: TRM-10-002

* Drinking water (DW), effluent (EFF), ground water (GW), influent (INF), non-aqueous liquid (NAL), paint chips, raw water (RW), sludge, soil, solid, source water (SOURCE), spring, stormwater (SW), surface water, wastewater (WW), well water (WELL)

** Analyses for SOC, Radionuclide, Radon, and Asbestos are subcontracted out to other accredited laboratories.

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 16, 2020

EnviroAnalytics Group, LLC

Sample Delivery Group:	L1280266
Samples Received:	10/31/2020
Project Number:	
Description:	Newberg LLC
Site:	NEWBERG, OR
Report To:	Mark Underwood 1515 Des Peres Rd., Suite 300 St. Louis, MO 63131

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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S-1 L1280266-01 Solid

Collected by	Collected date/time	Received date/time
	10/28/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571306	1	11/06/20 02:44	11/06/20 03:02	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	1	11/03/20 14:26	11/08/20 21:13	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 19:26	AMM	Mt. Juliet, TN

S-2 L1280266-02 Solid

Collected by	Collected date/time	Received date/time
	10/28/20 13:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571306	1	11/06/20 02:44	11/06/20 03:02	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	1	11/03/20 14:26	11/08/20 21:15	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 19:57	AMM	Mt. Juliet, TN

S-3 L1280266-03 Solid

Collected by	Collected date/time	Received date/time
	10/28/20 14:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571306	1	11/06/20 02:44	11/06/20 03:02	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:24	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 20:07	AMM	Mt. Juliet, TN

S-4 L1280266-04 Solid

Collected by	Collected date/time	Received date/time
	10/28/20 14:30	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571306	1	11/06/20 02:44	11/06/20 03:02	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:26	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/09/20 16:28	AMM	Mt. Juliet, TN

S-5 L1280266-05 Solid

Collected by	Collected date/time	Received date/time
	10/28/20 15:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571306	1	11/06/20 02:44	11/06/20 03:02	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:33	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 20:28	AMM	Mt. Juliet, TN

S-6 L1280266-06 Solid

Collected by | Collected date/time 10/28/20 16:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:34	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 20:38	AMM	Mt. Juliet, TN

S-7 L1280266-07 Solid

Collected by | Collected date/time 10/28/20 17:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	1	11/03/20 14:26	11/08/20 21:28	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 20:48	AMM	Mt. Juliet, TN

S-8 L1280266-08 Solid

Collected by | Collected date/time 10/29/20 08:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:35	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 21:29	AMM	Mt. Juliet, TN

S-9 L1280266-09 Solid

Collected by | Collected date/time 10/29/20 09:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:37	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 21:39	AMM	Mt. Juliet, TN

S-10 L1280266-10 Solid

Collected by | Collected date/time 10/29/20 10:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:38	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1571084	1	11/04/20 12:10	11/04/20 22:07	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 21:50	AMM	Mt. Juliet, TN

S-11 L1280266-11 Solid

Collected by | Collected date/time 10/29/20 11:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	5	11/03/20 14:26	11/08/20 22:40	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1572351	1	11/06/20 07:56	11/07/20 14:55	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 22:00	AMM	Mt. Juliet, TN

S-12 L1280266-12 Solid

Collected by | Collected date/time 10/29/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1571307	1	11/06/20 02:16	11/06/20 02:39	KBC	Mt. Juliet, TN
Wet Chemistry by Method 4500NOrg C-2011	WG1570221	1	11/03/20 14:26	11/08/20 21:36	SDL	Mt. Juliet, TN
Wet Chemistry by Method 9045D	WG1573339	1	11/09/20 17:11	11/09/20 20:25	WOS	Mt. Juliet, TN
Wet Chemistry by Method 9071B	WG1572351	1	11/06/20 07:56	11/07/20 14:55	LTC	Mt. Juliet, TN
Wet Chemistry by Method USDA LOI	WG1573032	1	11/11/20 00:40	11/11/20 01:10	KAB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1570243	1	11/05/20 13:27	11/05/20 22:10	AMM	Mt. Juliet, TN

S-1 L1280266-13 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:39	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 21:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/05/20 22:32	11/05/20 22:32	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 05:27	AO	Mt. Juliet, TN

S-2 L1280266-14 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:41	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/05/20 22:52	11/05/20 22:52	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 06:30	AO	Mt. Juliet, TN

S-3 L1280266-15 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:43	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:03	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/05/20 23:11	11/05/20 23:11	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 06:51	AO	Mt. Juliet, TN

S-4 L1280266-16 Waste

Collected by	Collected date/time	Received date/time
	10/30/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570982	1	11/04/20 13:56	11/06/20 12:15	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571039	1	11/06/20 19:50	11/06/20 20:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/05/20 23:31	11/05/20 23:31	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 07:12	AO	Mt. Juliet, TN

S-5 L1280266-17 Waste

Collected by	Collected date/time	Received date/time
	10/30/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:45	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/05/20 23:51	11/05/20 23:51	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 07:33	AO	Mt. Juliet, TN

S-6 L1280266-18 Waste

Collected by	Collected date/time	Received date/time
	10/30/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:47	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 00:10	11/06/20 00:10	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 07:54	AO	Mt. Juliet, TN

S-7 L1280266-19 Waste

Collected by	Collected date/time	Received date/time
	10/30/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:49	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 00:30	11/06/20 00:30	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 08:15	AO	Mt. Juliet, TN

S-8 L1280266-20 Waste

Collected by	Collected date/time	Received date/time
	10/30/20 12:00	10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570982	1	11/04/20 13:56	11/06/20 12:17	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571039	1	11/06/20 19:50	11/06/20 21:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 00:50	11/06/20 00:50	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 08:36	AO	Mt. Juliet, TN

S-9 L1280266-21 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570982	1	11/04/20 13:56	11/06/20 12:19	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571039	1	11/06/20 19:50	11/06/20 21:16	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 01:10	11/06/20 01:10	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 08:57	AO	Mt. Juliet, TN

S-10 L1280266-22 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:51	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:26	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 01:29	11/06/20 01:29	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 09:18	AO	Mt. Juliet, TN

S-11 L1280266-23 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

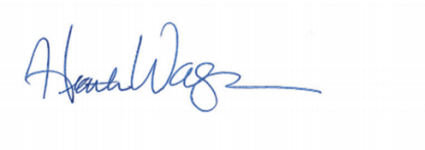
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 10:59	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 01:49	11/06/20 01:49	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1571749	1	11/12/20 17:38	11/13/20 09:40	AO	Mt. Juliet, TN

S-12 L1280266-24 Waste

Collected by | Collected date/time 10/30/20 12:00 | Received date/time 10/31/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1570035	1	11/03/20 09:27	11/03/20 09:27	APH	Mt. Juliet, TN
Preparation by Method 1311	WG1570659	1	11/04/20 12:26	11/04/20 12:26	JGB	Mt. Juliet, TN
Mercury by Method 7470A	WG1570979	1	11/04/20 13:53	11/06/20 11:01	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1571033	1	11/06/20 19:17	11/06/20 22:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1571690	1	11/06/20 02:09	11/06/20 02:09	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1576416	1	11/14/20 06:11	11/15/20 10:00	AO	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Heather J Wagner
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	9.45		1	11/06/2020 03:02	WG1571306

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	2770		47.4	212	1	11/08/2020 21:13	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.04	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-01 WG1573339: 7.04 at 23.2C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	U		349	1060	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	329000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.125	0.360	1	11/05/2020 19:26	WG1570243
PCB 1221	U		0.125	0.360	1	11/05/2020 19:26	WG1570243
PCB 1232	U		0.125	0.360	1	11/05/2020 19:26	WG1570243
PCB 1242	U		0.125	0.360	1	11/05/2020 19:26	WG1570243
PCB 1248	U		0.0781	0.180	1	11/05/2020 19:26	WG1570243
PCB 1254	U		0.0781	0.180	1	11/05/2020 19:26	WG1570243
PCB 1260	U		0.0781	0.180	1	11/05/2020 19:26	WG1570243
(S) Decachlorobiphenyl	*111*			*10.0-135*		*11/05/2020 19:26*	WG1570243
(S) Tetrachloro-m-xylene	*100*			*10.0-139*		*11/05/2020 19:26*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	16.0		1	11/06/2020 03:02	WG1571306

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	4160		28.0	125	1	11/08/2020 21:15	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.00	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-02 WG1573339: 7 at 23.4C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	1250		207	624	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	219000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0736	0.212	1	11/05/2020 19:57	WG1570243
PCB 1221	U		0.0736	0.212	1	11/05/2020 19:57	WG1570243
PCB 1232	U		0.0736	0.212	1	11/05/2020 19:57	WG1570243
PCB 1242	U		0.0736	0.212	1	11/05/2020 19:57	WG1570243
PCB 1248	U		0.0460	0.106	1	11/05/2020 19:57	WG1570243
PCB 1254	U		0.0460	0.106	1	11/05/2020 19:57	WG1570243
PCB 1260	U		0.0460	0.106	1	11/05/2020 19:57	WG1570243
(S) Decachlorobiphenyl	*57.6*			*10.0-135*		*11/05/2020 19:57*	WG1570243
(S) Tetrachloro-m-xylene	*54.5*			*10.0-139*		*11/05/2020 19:57*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	14.1		1	11/06/2020 03:02	WG1571306

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	8290		158	707	5	11/08/2020 22:24	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.91	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-03 WG1573339: 6.91 at 22.8C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	693	J	233	707	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	211000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0834	0.240	1	11/05/2020 20:07	WG1570243
PCB 1221	U		0.0834	0.240	1	11/05/2020 20:07	WG1570243
PCB 1232	U		0.0834	0.240	1	11/05/2020 20:07	WG1570243
PCB 1242	U		0.0834	0.240	1	11/05/2020 20:07	WG1570243
PCB 1248	U		0.0522	0.120	1	11/05/2020 20:07	WG1570243
PCB 1254	U		0.0522	0.120	1	11/05/2020 20:07	WG1570243
PCB 1260	U		0.0522	0.120	1	11/05/2020 20:07	WG1570243
(S) Decachlorobiphenyl	*53.5*			*10.0-135*		*11/05/2020 20:07*	WG1570243
(S) Tetrachloro-m-xylene	*53.8*			*10.0-139*		*11/05/2020 20:07*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	13.8		1	11/06/2020 03:02	WG1571306

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	7200		162	725	5	11/08/2020 22:26	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.01	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-04 WG1573339: 7.01 at 23C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	2310		239	725	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	191000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0855	0.246	1	11/09/2020 16:28	WG1570243
PCB 1221	U		0.0855	0.246	1	11/09/2020 16:28	WG1570243
PCB 1232	U		0.0855	0.246	1	11/09/2020 16:28	WG1570243
PCB 1242	U		0.0855	0.246	1	11/09/2020 16:28	WG1570243
PCB 1248	U		0.0535	0.123	1	11/09/2020 16:28	WG1570243
PCB 1254	U		0.0535	0.123	1	11/09/2020 16:28	WG1570243
PCB 1260	U		0.0535	0.123	1	11/09/2020 16:28	WG1570243
(S) Decachlorobiphenyl	*70.9*			*10.0-135*		*11/09/2020 16:28*	WG1570243
(S) Tetrachloro-m-xylene	*67.0*			*10.0-139*		*11/09/2020 16:28*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	17.4		1	11/06/2020 03:02	WG1571306

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	11400		129	575	5	11/08/2020 22:33	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.46	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-05 WG1573339: 7.46 at 23.1C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	556	J	190	575	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	203000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0678	0.195	1	11/05/2020 20:28	WG1570243
PCB 1221	U		0.0678	0.195	1	11/05/2020 20:28	WG1570243
PCB 1232	U		0.0678	0.195	1	11/05/2020 20:28	WG1570243
PCB 1242	U		0.0678	0.195	1	11/05/2020 20:28	WG1570243
PCB 1248	U		0.0424	0.0977	1	11/05/2020 20:28	WG1570243
PCB 1254	U		0.0424	0.0977	1	11/05/2020 20:28	WG1570243
PCB 1260	U		0.0424	0.0977	1	11/05/2020 20:28	WG1570243
(S) Decachlorobiphenyl	*33.4*			*10.0-135*		*11/05/2020 20:28*	WG1570243
(S) Tetrachloro-m-xylene	*35.8*			*10.0-139*		*11/05/2020 20:28*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	11.0		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	17200		203	905	5	11/08/2020 22:34	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.09	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-06 WG1573339: 7.09 at 23.1C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	U		299	905	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	258000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.107	0.308	1	11/05/2020 20:38	WG1570243
PCB 1221	U		0.107	0.308	1	11/05/2020 20:38	WG1570243
PCB 1232	U		0.107	0.308	1	11/05/2020 20:38	WG1570243
PCB 1242	U		0.107	0.308	1	11/05/2020 20:38	WG1570243
PCB 1248	U		0.0668	0.154	1	11/05/2020 20:38	WG1570243
PCB 1254	U		0.0668	0.154	1	11/05/2020 20:38	WG1570243
PCB 1260	U		0.0668	0.154	1	11/05/2020 20:38	WG1570243
(S) Decachlorobiphenyl	*47.4*			*10.0-135*		*11/05/2020 20:38*	WG1570243
(S) Tetrachloro-m-xylene	*51.3*			*10.0-139*		*11/05/2020 20:38*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	14.3		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	4460		31.4	140	1	11/08/2020 21:28	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.98	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-07 WG1573339: 6.98 at 22.7C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	2000		231	701	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	266000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0827	0.238	1	11/05/2020 20:48	WG1570243
PCB 1221	U		0.0827	0.238	1	11/05/2020 20:48	WG1570243
PCB 1232	U		0.0827	0.238	1	11/05/2020 20:48	WG1570243
PCB 1242	U		0.0827	0.238	1	11/05/2020 20:48	WG1570243
PCB 1248	U		0.0518	0.119	1	11/05/2020 20:48	WG1570243
PCB 1254	U		0.0518	0.119	1	11/05/2020 20:48	WG1570243
PCB 1260	U		0.0518	0.119	1	11/05/2020 20:48	WG1570243
(S) Decachlorobiphenyl	*44.2*			*10.0-135*		*11/05/2020 20:48*	WG1570243
(S) Tetrachloro-m-xylene	*39.8*			*10.0-139*		*11/05/2020 20:48*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	15.9		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	10800		141	628	5	11/08/2020 22:35	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.26	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-08 WG1573339: 7.26 at 22.8C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	1960		207	628	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	210000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0741	0.214	1	11/05/2020 21:29	WG1570243
PCB 1221	U		0.0741	0.214	1	11/05/2020 21:29	WG1570243
PCB 1232	U		0.0741	0.214	1	11/05/2020 21:29	WG1570243
PCB 1242	U		0.0741	0.214	1	11/05/2020 21:29	WG1570243
PCB 1248	U		0.0464	0.107	1	11/05/2020 21:29	WG1570243
PCB 1254	U		0.0464	0.107	1	11/05/2020 21:29	WG1570243
PCB 1260	U		0.0464	0.107	1	11/05/2020 21:29	WG1570243
(S) Decachlorobiphenyl	*41.0*			*10.0-135*		*11/05/2020 21:29*	WG1570243
(S) Tetrachloro-m-xylene	*36.4*			*10.0-139*		*11/05/2020 21:29*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	19.7		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	7740		114	508	5	11/08/2020 22:37	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.16	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-09 WG1573339: 7.16 at 22.5C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	2020		168	508	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	202000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0599	0.173	1	11/05/2020 21:39	WG1570243
PCB 1221	U		0.0599	0.173	1	11/05/2020 21:39	WG1570243
PCB 1232	U		0.0599	0.173	1	11/05/2020 21:39	WG1570243
PCB 1242	U		0.0599	0.173	1	11/05/2020 21:39	WG1570243
PCB 1248	U		0.0375	0.0863	1	11/05/2020 21:39	WG1570243
PCB 1254	U		0.0375	0.0863	1	11/05/2020 21:39	WG1570243
PCB 1260	U		0.0375	0.0863	1	11/05/2020 21:39	WG1570243
(S) Decachlorobiphenyl	*68.7*			*10.0-135*		*11/05/2020 21:39*	WG1570243
(S) Tetrachloro-m-xylene	*65.8*			*10.0-139*		*11/05/2020 21:39*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	13.5		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	6890		166	743	5	11/08/2020 22:38	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.10	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-10 WG1573339: 7.1 at 22.8C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	2860		245	743	1	11/04/2020 22:07	WG1571084

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	199000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0877	0.253	1	11/05/2020 21:50	WG1570243
PCB 1221	U		0.0877	0.253	1	11/05/2020 21:50	WG1570243
PCB 1232	U		0.0877	0.253	1	11/05/2020 21:50	WG1570243
PCB 1242	U		0.0877	0.253	1	11/05/2020 21:50	WG1570243
PCB 1248	U		0.0549	0.126	1	11/05/2020 21:50	WG1570243
PCB 1254	U		0.0549	0.126	1	11/05/2020 21:50	WG1570243
PCB 1260	U		0.0549	0.126	1	11/05/2020 21:50	WG1570243
(S) Decachlorobiphenyl	*51.0*			*10.0-135*		*11/05/2020 21:50*	WG1570243
(S) Tetrachloro-m-xylene	*58.4*			*10.0-139*		*11/05/2020 21:50*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	15.9		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	4670		141	629	5	11/08/2020 22:40	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.27	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-11 WG1573339: 7.27 at 22.9C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	11700		207	629	1	11/07/2020 14:55	WG1572351

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	310000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0742	0.214	1	11/05/2020 22:00	WG1570243
PCB 1221	U		0.0742	0.214	1	11/05/2020 22:00	WG1570243
PCB 1232	U		0.0742	0.214	1	11/05/2020 22:00	WG1570243
PCB 1242	U		0.0742	0.214	1	11/05/2020 22:00	WG1570243
PCB 1248	U		0.0464	0.107	1	11/05/2020 22:00	WG1570243
PCB 1254	U		0.0464	0.107	1	11/05/2020 22:00	WG1570243
PCB 1260	U		0.0464	0.107	1	11/05/2020 22:00	WG1570243
(S) Decachlorobiphenyl	*51.3*			*10.0-135*		*11/05/2020 22:00*	WG1570243
(S) Tetrachloro-m-xylene	*54.0*			*10.0-139*		*11/05/2020 22:00*	WG1570243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	16.0		1	11/06/2020 02:39	WG1571307

Wet Chemistry by Method 4500NOrg C-2011

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Kjeldahl Nitrogen, TKN	3740		28.0	125	1	11/08/2020 21:36	WG1570221

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.32	T8	1	11/09/2020 20:25	WG1573339

Sample Narrative:

L1280266-12 WG1573339: 7.32 at 22.6C

Wet Chemistry by Method 9071B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH - Oil & Grease	6270		206	625	1	11/07/2020 14:55	WG1572351

Wet Chemistry by Method USDA LOI

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TOC (Total Organic Carbon)	251000		3.33	10.0	1	11/11/2020 01:10	WG1573032

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0737	0.212	1	11/05/2020 22:10	WG1570243
PCB 1221	U		0.0737	0.212	1	11/05/2020 22:10	WG1570243
PCB 1232	U		0.0737	0.212	1	11/05/2020 22:10	WG1570243
PCB 1242	U		0.0737	0.212	1	11/05/2020 22:10	WG1570243
PCB 1248	U		0.0461	0.106	1	11/05/2020 22:10	WG1570243
PCB 1254	U		0.0461	0.106	1	11/05/2020 22:10	WG1570243
PCB 1260	U		0.0461	0.106	1	11/05/2020 22:10	WG1570243
(S) Decachlorobiphenyl	*41.2*			*10.0-135*		*11/05/2020 22:10*	WG1570243
(S) Tetrachloro-m-xylene	*44.7*			*10.0-139*		*11/05/2020 22:10*	WG1570243

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	6.99		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.19		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:39	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 21:47	WG1571033
Barium	0.133		0.0500		1	11/06/2020 21:47	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 21:47	WG1571033
Chromium	ND		0.0200		1	11/06/2020 21:47	WG1571033
Lead	ND		0.0200		1	11/06/2020 21:47	WG1571033
Selenium	ND		0.0200		1	11/06/2020 21:47	WG1571033
Silver	ND		0.0200		1	11/06/2020 21:47	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/05/2020 22:32	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/05/2020 22:32	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/05/2020 22:32	WG1571690
Chloroform	ND		0.250	6	1	11/05/2020 22:32	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/05/2020 22:32	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/05/2020 22:32	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/05/2020 22:32	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/05/2020 22:32	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/05/2020 22:32	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/05/2020 22:32	WG1571690
(S) Toluene-d8	*105*		*80.0-120*			*11/05/2020 22:32*	WG1571690
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*			*11/05/2020 22:32*	WG1571690
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*			*11/05/2020 22:32*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 05:27	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 05:27	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 05:27	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 05:27	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 05:27	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 05:27	WG1571749
Pyridine	ND	J3	0.100	5	1	11/13/2020 05:27	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 05:27	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 05:27	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 05:27	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 05:27	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 05:27	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*46.9*		*10.0-120*			*11/13/2020 05:27*	WG1571749
(S) Phenol-d5	*29.4*		*10.0-120*			*11/13/2020 05:27*	WG1571749
(S) Nitrobenzene-d5	*80.7*		*10.0-127*			*11/13/2020 05:27*	WG1571749
(S) 2-Fluorobiphenyl	*79.5*		*10.0-130*			*11/13/2020 05:27*	WG1571749
(S) 2,4,6-Tribromophenol	*76.0*		*10.0-155*			*11/13/2020 05:27*	WG1571749
(S) p-Terphenyl-d14	*76.3*		*10.0-128*			*11/13/2020 05:27*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.11		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.39		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:41	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:00	WG1571033
Barium	0.235		0.0500		1	11/06/2020 22:00	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:00	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:00	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:00	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:00	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:00	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/05/2020 22:52	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/05/2020 22:52	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/05/2020 22:52	WG1571690
Chloroform	ND		0.250	6	1	11/05/2020 22:52	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/05/2020 22:52	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/05/2020 22:52	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/05/2020 22:52	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/05/2020 22:52	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/05/2020 22:52	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/05/2020 22:52	WG1571690
(S) Toluene-d8	*108*		*80.0-120*			*11/05/2020 22:52*	WG1571690
(S) 4-Bromofluorobenzene	*92.7*		*77.0-126*			*11/05/2020 22:52*	WG1571690
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*			*11/05/2020 22:52*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 06:30	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 06:30	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 06:30	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 06:30	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 06:30	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 06:30	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 06:30	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 06:30	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 06:30	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 06:30	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 06:30	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 06:30	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*38.0*		*10.0-120*			*11/13/2020 06:30*	WG1571749
(S) Phenol-d5	*23.6*		*10.0-120*			*11/13/2020 06:30*	WG1571749
(S) Nitrobenzene-d5	*69.2*		*10.0-127*			*11/13/2020 06:30*	WG1571749
(S) 2-Fluorobiphenyl	*70.0*		*10.0-130*			*11/13/2020 06:30*	WG1571749
(S) 2,4,6-Tribromophenol	*70.5*		*10.0-155*			*11/13/2020 06:30*	WG1571749
(S) p-Terphenyl-d14	*80.2*		*10.0-128*			*11/13/2020 06:30*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	6.92		11/3/2020 9:27:00 AM	WG1570035
Final pH	6.01		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:43	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:03	WG1571033
Barium	0.173		0.0500		1	11/06/2020 22:03	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:03	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:03	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:03	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:03	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:03	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/05/2020 23:11	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/05/2020 23:11	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/05/2020 23:11	WG1571690
Chloroform	ND		0.250	6	1	11/05/2020 23:11	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/05/2020 23:11	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/05/2020 23:11	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/05/2020 23:11	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/05/2020 23:11	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/05/2020 23:11	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/05/2020 23:11	WG1571690
(S) Toluene-d8	*110*		*80.0-120*			*11/05/2020 23:11*	WG1571690
(S) 4-Bromofluorobenzene	*95.6*		*77.0-126*			*11/05/2020 23:11*	WG1571690
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*			*11/05/2020 23:11*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 06:51	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 06:51	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 06:51	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 06:51	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 06:51	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 06:51	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 06:51	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 06:51	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 06:51	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 06:51	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 06:51	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 06:51	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*41.5*		*10.0-120*			*11/13/2020 06:51*	WG1571749
(S) Phenol-d5	*28.0*		*10.0-120*			*11/13/2020 06:51*	WG1571749
(S) Nitrobenzene-d5	*70.4*		*10.0-127*			*11/13/2020 06:51*	WG1571749
(S) 2-Fluorobiphenyl	*70.1*		*10.0-130*			*11/13/2020 06:51*	WG1571749
(S) 2,4,6-Tribromophenol	*74.5*		*10.0-155*			*11/13/2020 06:51*	WG1571749
(S) p-Terphenyl-d14	*79.7*		*10.0-128*			*11/13/2020 06:51*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	2		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.32		11/3/2020 9:27:00 AM	WG1570035
Final pH	4.64		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	11/06/2020 12:15	WG1570982

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.0200		1	11/06/2020 20:59	WG1571039
Barium	0.365		0.0500		1	11/06/2020 20:59	WG1571039
Cadmium	ND		0.0100		1	11/06/2020 20:59	WG1571039
Chromium	ND		0.0200		1	11/06/2020 20:59	WG1571039
Lead	ND		0.0200		1	11/06/2020 20:59	WG1571039
Selenium	ND		0.0200		1	11/06/2020 20:59	WG1571039
Silver	ND		0.0200		1	11/06/2020 20:59	WG1571039

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Benzene	ND		0.0500	0.50	1	11/05/2020 23:31	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/05/2020 23:31	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/05/2020 23:31	WG1571690
Chloroform	ND		0.250	6	1	11/05/2020 23:31	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/05/2020 23:31	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/05/2020 23:31	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/05/2020 23:31	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/05/2020 23:31	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/05/2020 23:31	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/05/2020 23:31	WG1571690
(S) Toluene-d8	*107*		*80.0-120*			*11/05/2020 23:31*	WG1571690
(S) 4-Bromofluorobenzene	*92.5*		*77.0-126*			*11/05/2020 23:31*	WG1571690
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*			*11/05/2020 23:31*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 07:12	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 07:12	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 07:12	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 07:12	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 07:12	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 07:12	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 07:12	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 07:12	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 07:12	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 07:12	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 07:12	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 07:12	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*32.6*		*10.0-120*			*11/13/2020 07:12*	WG1571749
(S) Phenol-d5	*20.8*		*10.0-120*			*11/13/2020 07:12*	WG1571749
(S) Nitrobenzene-d5	*54.5*		*10.0-127*			*11/13/2020 07:12*	WG1571749
(S) 2-Fluorobiphenyl	*57.6*		*10.0-130*			*11/13/2020 07:12*	WG1571749
(S) 2,4,6-Tribromophenol	*53.5*		*10.0-155*			*11/13/2020 07:12*	WG1571749
(S) p-Terphenyl-d14	*73.3*		*10.0-128*			*11/13/2020 07:12*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	2		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.18		11/3/2020 9:27:00 AM	WG1570035
Final pH	4.86		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:45	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:07	WG1571033
Barium	0.408		0.0500		1	11/06/2020 22:07	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:07	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:07	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:07	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:07	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:07	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/05/2020 23:51	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/05/2020 23:51	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/05/2020 23:51	WG1571690
Chloroform	ND		0.250	6	1	11/05/2020 23:51	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/05/2020 23:51	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/05/2020 23:51	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/05/2020 23:51	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/05/2020 23:51	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/05/2020 23:51	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/05/2020 23:51	WG1571690
(S) Toluene-d8	*106*		*80.0-120*			*11/05/2020 23:51*	WG1571690
(S) 4-Bromofluorobenzene	*94.4*		*77.0-126*			*11/05/2020 23:51*	WG1571690
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*			*11/05/2020 23:51*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 07:33	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 07:33	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 07:33	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 07:33	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 07:33	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 07:33	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 07:33	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 07:33	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 07:33	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 07:33	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 07:33	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 07:33	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*37.4*		*10.0-120*			*11/13/2020 07:33*	WG1571749
(S) Phenol-d5	*23.4*		*10.0-120*			*11/13/2020 07:33*	WG1571749
(S) Nitrobenzene-d5	*67.3*		*10.0-127*			*11/13/2020 07:33*	WG1571749
(S) 2-Fluorobiphenyl	*67.5*		*10.0-130*			*11/13/2020 07:33*	WG1571749
(S) 2,4,6-Tribromophenol	*62.5*		*10.0-155*			*11/13/2020 07:33*	WG1571749
(S) p-Terphenyl-d14	*75.6*		*10.0-128*			*11/13/2020 07:33*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	6.99		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.73		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:47	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:10	WG1571033
Barium	0.122		0.0500		1	11/06/2020 22:10	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:10	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:10	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:10	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:10	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:10	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 00:10	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 00:10	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 00:10	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 00:10	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 00:10	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 00:10	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 00:10	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 00:10	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 00:10	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 00:10	WG1571690
(S) Toluene-d8	*104*		*80.0-120*			*11/06/2020 00:10*	WG1571690
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*			*11/06/2020 00:10*	WG1571690
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*			*11/06/2020 00:10*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 07:54	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 07:54	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 07:54	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 07:54	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 07:54	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 07:54	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 07:54	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 07:54	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 07:54	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 07:54	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 07:54	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 07:54	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*34.2*		*10.0-120*			*11/13/2020 07:54*	WG1571749
(S) Phenol-d5	*22.7*		*10.0-120*			*11/13/2020 07:54*	WG1571749
(S) Nitrobenzene-d5	*56.2*		*10.0-127*			*11/13/2020 07:54*	WG1571749
(S) 2-Fluorobiphenyl	*54.0*		*10.0-130*			*11/13/2020 07:54*	WG1571749
(S) 2,4,6-Tribromophenol	*52.0*		*10.0-155*			*11/13/2020 07:54*	WG1571749
(S) p-Terphenyl-d14	*67.6*		*10.0-128*			*11/13/2020 07:54*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.01		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.70		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:49	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:23	WG1571033
Barium	0.189		0.0500		1	11/06/2020 22:23	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:23	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:23	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:23	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:23	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:23	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 00:30	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 00:30	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 00:30	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 00:30	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 00:30	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 00:30	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 00:30	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 00:30	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 00:30	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 00:30	WG1571690
(S) Toluene-d8	*104*		*80.0-120*			*11/06/2020 00:30*	WG1571690
(S) 4-Bromofluorobenzene	*95.0*		*77.0-126*			*11/06/2020 00:30*	WG1571690
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*			*11/06/2020 00:30*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 08:15	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 08:15	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 08:15	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 08:15	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 08:15	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 08:15	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 08:15	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 08:15	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 08:15	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 08:15	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 08:15	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 08:15	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*37.0*		*10.0-120*			*11/13/2020 08:15*	WG1571749
(S) Phenol-d5	*23.4*		*10.0-120*			*11/13/2020 08:15*	WG1571749
(S) Nitrobenzene-d5	*69.6*		*10.0-127*			*11/13/2020 08:15*	WG1571749
(S) 2-Fluorobiphenyl	*70.8*		*10.0-130*			*11/13/2020 08:15*	WG1571749
(S) 2,4,6-Tribromophenol	*65.5*		*10.0-155*			*11/13/2020 08:15*	WG1571749
(S) p-Terphenyl-d14	*75.6*		*10.0-128*			*11/13/2020 08:15*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	2		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.00		11/3/2020 9:27:00 AM	WG1570035
Final pH	4.77		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 12:17	WG1570982

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 21:13	WG1571039
Barium	0.301		0.0500		1	11/06/2020 21:13	WG1571039
Cadmium	ND		0.0100		1	11/06/2020 21:13	WG1571039
Chromium	ND		0.0200		1	11/06/2020 21:13	WG1571039
Lead	ND		0.0200		1	11/06/2020 21:13	WG1571039
Selenium	ND		0.0200		1	11/06/2020 21:13	WG1571039
Silver	ND		0.0200		1	11/06/2020 21:13	WG1571039

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 00:50	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 00:50	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 00:50	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 00:50	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 00:50	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 00:50	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 00:50	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 00:50	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 00:50	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 00:50	WG1571690
(S) Toluene-d8	*107*		*80.0-120*			*11/06/2020 00:50*	WG1571690
(S) 4-Bromofluorobenzene	*96.8*		*77.0-126*			*11/06/2020 00:50*	WG1571690
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*			*11/06/2020 00:50*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 08:36	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 08:36	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 08:36	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 08:36	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 08:36	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 08:36	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 08:36	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 08:36	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 08:36	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 08:36	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 08:36	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 08:36	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*32.6*		*10.0-120*			*11/13/2020 08:36*	WG1571749
(S) Phenol-d5	*21.6*		*10.0-120*			*11/13/2020 08:36*	WG1571749
(S) Nitrobenzene-d5	*65.1*		*10.0-127*			*11/13/2020 08:36*	WG1571749
(S) 2-Fluorobiphenyl	*64.5*		*10.0-130*			*11/13/2020 08:36*	WG1571749
(S) 2,4,6-Tribromophenol	*60.5*		*10.0-155*			*11/13/2020 08:36*	WG1571749
(S) p-Terphenyl-d14	*76.7*		*10.0-128*			*11/13/2020 08:36*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	2		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.11		11/3/2020 9:27:00 AM	WG1570035
Final pH	4.94		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 12:19	WG1570982

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 21:16	WG1571039
Barium	0.346		0.0500		1	11/06/2020 21:16	WG1571039
Cadmium	ND		0.0100		1	11/06/2020 21:16	WG1571039
Chromium	ND		0.0200		1	11/06/2020 21:16	WG1571039
Lead	ND		0.0200		1	11/06/2020 21:16	WG1571039
Selenium	ND		0.0200		1	11/06/2020 21:16	WG1571039
Silver	ND		0.0200		1	11/06/2020 21:16	WG1571039

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 01:10	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 01:10	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 01:10	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 01:10	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 01:10	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 01:10	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 01:10	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 01:10	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 01:10	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 01:10	WG1571690
(S) Toluene-d8	*105*		*80.0-120*			*11/06/2020 01:10*	WG1571690
(S) 4-Bromofluorobenzene	*99.2*		*77.0-126*			*11/06/2020 01:10*	WG1571690
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*			*11/06/2020 01:10*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 08:57	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 08:57	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 08:57	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 08:57	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 08:57	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 08:57	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 08:57	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 08:57	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 08:57	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 08:57	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 08:57	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 08:57	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*37.4*		*10.0-120*			*11/13/2020 08:57*	WG1571749
(S) Phenol-d5	*23.6*		*10.0-120*			*11/13/2020 08:57*	WG1571749
(S) Nitrobenzene-d5	*68.8*		*10.0-127*			*11/13/2020 08:57*	WG1571749
(S) 2-Fluorobiphenyl	*69.9*		*10.0-130*			*11/13/2020 08:57*	WG1571749
(S) 2,4,6-Tribromophenol	*64.5*		*10.0-155*			*11/13/2020 08:57*	WG1571749
(S) p-Terphenyl-d14	*75.0*		*10.0-128*			*11/13/2020 08:57*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.29		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.89		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:51	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:26	WG1571033
Barium	0.177		0.0500		1	11/06/2020 22:26	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:26	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:26	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:26	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:26	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:26	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 01:29	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 01:29	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 01:29	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 01:29	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 01:29	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 01:29	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 01:29	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 01:29	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 01:29	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 01:29	WG1571690
(S) Toluene-d8	*108*		*80.0-120*			*11/06/2020 01:29*	WG1571690
(S) 4-Bromofluorobenzene	*93.9*		*77.0-126*			*11/06/2020 01:29*	WG1571690
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*			*11/06/2020 01:29*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 09:18	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 09:18	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 09:18	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 09:18	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 09:18	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 09:18	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 09:18	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 09:18	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 09:18	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 09:18	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 09:18	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 09:18	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*36.4*		*10.0-120*			*11/13/2020 09:18*	WG1571749
(S) Phenol-d5	*23.5*		*10.0-120*			*11/13/2020 09:18*	WG1571749
(S) Nitrobenzene-d5	*67.5*		*10.0-127*			*11/13/2020 09:18*	WG1571749
(S) 2-Fluorobiphenyl	*66.4*		*10.0-130*			*11/13/2020 09:18*	WG1571749
(S) 2,4,6-Tribromophenol	*67.5*		*10.0-155*			*11/13/2020 09:18*	WG1571749
(S) p-Terphenyl-d14	*73.4*		*10.0-128*			*11/13/2020 09:18*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.01		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.14		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 10:59	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	0.0202		0.0200		1	11/06/2020 22:29	WG1571033
Barium	0.174		0.0500		1	11/06/2020 22:29	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:29	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:29	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:29	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:29	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:29	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 01:49	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 01:49	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 01:49	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 01:49	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 01:49	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 01:49	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 01:49	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 01:49	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 01:49	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 01:49	WG1571690
(S) Toluene-d8	*106*		*80.0-120*			*11/06/2020 01:49*	WG1571690
(S) 4-Bromofluorobenzene	*94.6*		*77.0-126*			*11/06/2020 01:49*	WG1571690
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*			*11/06/2020 01:49*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/13/2020 09:40	WG1571749
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/13/2020 09:40	WG1571749
Hexachlorobenzene	ND		0.100	0.13	1	11/13/2020 09:40	WG1571749
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/13/2020 09:40	WG1571749
Hexachloroethane	ND		0.100	3	1	11/13/2020 09:40	WG1571749
Nitrobenzene	ND		0.100	2	1	11/13/2020 09:40	WG1571749
Pyridine	ND		0.100	5	1	11/13/2020 09:40	WG1571749
3&4-Methyl Phenol	ND		0.100	400	1	11/13/2020 09:40	WG1571749
2-Methylphenol	ND		0.100	200	1	11/13/2020 09:40	WG1571749
Pentachlorophenol	ND		0.100	100	1	11/13/2020 09:40	WG1571749
2,4,5-Trichlorophenol	ND		0.100	400	1	11/13/2020 09:40	WG1571749
2,4,6-Trichlorophenol	ND		0.100	2	1	11/13/2020 09:40	WG1571749

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*36.6*		*10.0-120*			*11/13/2020 09:40*	WG1571749
(S) Phenol-d5	*23.3*		*10.0-120*			*11/13/2020 09:40*	WG1571749
(S) Nitrobenzene-d5	*66.5*		*10.0-127*			*11/13/2020 09:40*	WG1571749
(S) 2-Fluorobiphenyl	*69.2*		*10.0-130*			*11/13/2020 09:40*	WG1571749
(S) 2,4,6-Tribromophenol	*67.5*		*10.0-155*			*11/13/2020 09:40*	WG1571749
(S) p-Terphenyl-d14	*81.0*		*10.0-128*			*11/13/2020 09:40*	WG1571749

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/3/2020 9:27:00 AM	WG1570035
TCLP ZHE Extraction	-		11/4/2020 12:26:41 PM	WG1570659
Fluid	1		11/3/2020 9:27:00 AM	WG1570035
Initial pH	7.13		11/3/2020 9:27:00 AM	WG1570035
Final pH	5.36		11/3/2020 9:27:00 AM	WG1570035

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	11/06/2020 11:01	WG1570979

Metals (ICPMS) by Method 6020B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.0200		1	11/06/2020 22:32	WG1571033
Barium	0.185		0.0500		1	11/06/2020 22:32	WG1571033
Cadmium	ND		0.0100		1	11/06/2020 22:32	WG1571033
Chromium	ND		0.0200		1	11/06/2020 22:32	WG1571033
Lead	ND		0.0200		1	11/06/2020 22:32	WG1571033
Selenium	ND		0.0200		1	11/06/2020 22:32	WG1571033
Silver	ND		0.0200		1	11/06/2020 22:32	WG1571033

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	11/06/2020 02:09	WG1571690
Carbon tetrachloride	ND		0.0500	0.50	1	11/06/2020 02:09	WG1571690
Chlorobenzene	ND		0.0500	100	1	11/06/2020 02:09	WG1571690
Chloroform	ND		0.250	6	1	11/06/2020 02:09	WG1571690
1,2-Dichloroethane	ND		0.0500	0.50	1	11/06/2020 02:09	WG1571690
1,1-Dichloroethene	ND		0.0500	0.70	1	11/06/2020 02:09	WG1571690
2-Butanone (MEK)	ND		0.500	200	1	11/06/2020 02:09	WG1571690
Tetrachloroethene	ND		0.0500	0.70	1	11/06/2020 02:09	WG1571690
Trichloroethene	ND		0.0500	0.50	1	11/06/2020 02:09	WG1571690
Vinyl chloride	ND		0.0500	0.20	1	11/06/2020 02:09	WG1571690
(S) Toluene-d8	*108*		*80.0-120*			*11/06/2020 02:09*	WG1571690
(S) 4-Bromofluorobenzene	*95.2*		*77.0-126*			*11/06/2020 02:09*	WG1571690
(S) 1,2-Dichloroethane-d4	*115*		*70.0-130*			*11/06/2020 02:09*	WG1571690

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	ND		0.100	7.50	1	11/15/2020 10:00	WG1576416
2,4-Dinitrotoluene	ND		0.100	0.13	1	11/15/2020 10:00	WG1576416
Hexachlorobenzene	ND		0.100	0.13	1	11/15/2020 10:00	WG1576416
Hexachloro-1,3-butadiene	ND		0.100	0.50	1	11/15/2020 10:00	WG1576416
Hexachloroethane	ND		0.100	3	1	11/15/2020 10:00	WG1576416
Nitrobenzene	ND		0.100	2	1	11/15/2020 10:00	WG1576416
Pyridine	ND		0.100	5	1	11/15/2020 10:00	WG1576416
3&4-Methyl Phenol	ND		0.100	400	1	11/15/2020 10:00	WG1576416
2-Methylphenol	ND		0.100	200	1	11/15/2020 10:00	WG1576416
Pentachlorophenol	ND		0.100	100	1	11/15/2020 10:00	WG1576416
2,4,5-Trichlorophenol	ND		0.100	400	1	11/15/2020 10:00	WG1576416
2,4,6-Trichlorophenol	ND		0.100	2	1	11/15/2020 10:00	WG1576416

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
(S) 2-Fluorophenol	*31.4*		*10.0-120*			*11/15/2020 10:00*	WG1576416
(S) Phenol-d5	*21.0*		*10.0-120*			*11/15/2020 10:00*	WG1576416
(S) Nitrobenzene-d5	*66.3*		*10.0-127*			*11/15/2020 10:00*	WG1576416
(S) 2-Fluorobiphenyl	*70.2*		*10.0-130*			*11/15/2020 10:00*	WG1576416
(S) 2,4,6-Tribromophenol	*59.0*		*10.0-155*			*11/15/2020 10:00*	WG1576416
(S) p-Terphenyl-d14	*71.4*		*10.0-128*			*11/15/2020 10:00*	WG1576416

Method Blank (MB)

(MB) R3590246-1 11/06/20 03:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1280266-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-02 11/06/20 03:02 • (DUP) R3590246-3 11/06/20 03:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	16.0	15.4	1	3.70		10

Laboratory Control Sample (LCS)

(LCS) R3590246-2 11/06/20 03:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3590243-1 11/06/20 02:39

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1280267-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1280267-13 11/06/20 02:39 • (DUP) R3590243-3 11/06/20 02:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.8	81.2	1	0.762		10

Laboratory Control Sample (LCS)

(LCS) R3590243-2 11/06/20 02:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3590719-1 11/08/20 21:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Kjeldahl Nitrogen, TKN	U		4.48	20.0

L1280266-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-03 11/08/20 22:24 • (DUP) R3590719-6 11/08/20 22:25

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	8290	7160	5	14.6		20

L1280266-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-11 11/08/20 22:40 • (DUP) R3590719-7 11/08/20 22:41

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	4670	5330	5	13.2		20

Laboratory Control Sample (LCS)

(LCS) R3590719-2 11/08/20 21:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	608	560	92.1	75.2-121	

L1280266-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1280266-12 11/08/20 21:36 • (MS) R3590719-5 11/08/20 21:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	2500	3740	6110	94.7	1	90.0-110	E

L1280266-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280266-05 11/08/20 21:20 • (MS) R3590719-3 11/08/20 21:21 • (MSD) R3590719-4 11/08/20 21:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	2300	9550	10200	9280	29.3	0.000	1	90.0-110	E V	E V	9.68	20

L1280266-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-01 11/09/20 20:25 • (DUP) R3591155-2 11/09/20 20:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.04	7.03	1	0.142		1

Sample Narrative:

OS: 7.04 at 23.2C

DUP: 7.03 at 23.4C

L1280828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1280828-01 11/09/20 20:25 • (DUP) R3591155-3 11/09/20 20:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.72	7.71	1	0.130		1

Sample Narrative:

OS: 7.72 at 22.3C

DUP: 7.71 at 22.3C

Laboratory Control Sample (LCS)

(LCS) R3591155-1 11/09/20 20:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.93	99.3	99.0-101	

Sample Narrative:

LCS: 9.93 at 20.4C

Method Blank (MB)

(MB) R3589539-1 11/04/20 22:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
TPH - Oil & Grease	U		33.0	100

L1280073-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1280073-01 11/04/20 22:07 • (DUP) R3589539-4 11/04/20 22:07

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
				%		%
TPH - Oil & Grease	106	225	1	71.6	P1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3589539-2 11/04/20 22:07 • (LCSD) R3589539-3 11/04/20 22:07

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH - Oil & Grease	2000	1980	1980	99.0	99.0	80.0-120			0.000	20

L1280073-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280073-01 11/04/20 22:07 • (MS) R3589539-5 11/04/20 22:07 • (MSD) R3589539-6 11/04/20 22:07

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg				%	%		%			%	%
TPH - Oil & Grease	2000	106	1160	889	49.0	36.3	1	80.0-120	J6	J3 J6	26.8	20

Method Blank (MB)

(MB) R3590530-1 11/07/20 14:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH - Oil & Grease	U		33.0	100

L1280487-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1280487-06 11/07/20 14:55 • (DUP) R3590530-4 11/07/20 14:55

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TPH - Oil & Grease	U	373	1	200	P1	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3590530-2 11/07/20 14:55 • (LCSD) R3590530-3 11/07/20 14:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	2000	1830	1970	91.5	98.5	80.0-120			7.37	20

L1280487-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280487-06 11/07/20 14:55 • (MS) R3590530-5 11/07/20 14:55 • (MSD) R3590530-6 11/07/20 14:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH - Oil & Grease	2290	U	1120	1280	48.8	55.9	1	80.0-120	J6	J6	13.5	20

Method Blank (MB)

(MB) R3591868-1 11/11/20 01:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TOC (Total Organic Carbon)	U		3.33	10.0

L1280266-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-02 11/11/20 01:10 • (DUP) R3591868-3 11/11/20 01:10

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	219000	224000	1	1.97		20

L1280266-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1280266-03 11/11/20 01:10 • (DUP) R3591868-4 11/11/20 01:10

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
TOC (Total Organic Carbon)	211000	212000	1	0.466		20

Laboratory Control Sample (LCS)

(LCS) R3591868-2 11/11/20 01:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TOC (Total Organic Carbon)	9210	8480	92.0	38.6-176	

Method Blank (MB)

(MB) R3590169-1 11/06/20 10:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3590169-3 11/06/20 10:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0241	80.2	80.0-120	

L1280251-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280251-01 11/06/20 10:25 • (MS) R3590169-2 11/06/20 10:27 • (MSD) R3590169-4 11/06/20 10:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0296	0.0317	98.5	106	1	75.0-125			7.05	20

Method Blank (MB)

(MB) R3590330-1 11/06/20 11:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3590330-2 11/06/20 12:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0318	106	80.0-120	

L1280266-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280266-16 11/06/20 12:15 • (MS) R3590330-4 11/06/20 12:04 • (MSD) R3590330-3 11/06/20 12:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0329	0.0301	110	100	1	75.0-125			9.17	20

Method Blank (MB)

(MB) R3590413-1 11/06/20 21:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00250	0.0200
Barium	U		0.00360	0.0500
Cadmium	U		0.00160	0.0100
Chromium	0.00671	J	0.00540	0.0200
Lead	U		0.00240	0.0200
Selenium	U		0.00380	0.0200
Silver	U		0.00310	0.0200

Laboratory Control Sample (LCS)

(LCS) R3590413-2 11/06/20 21:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.500	0.480	96.0	80.0-120	
Barium	0.500	0.468	93.6	80.0-120	
Cadmium	0.500	0.503	101	80.0-120	
Chromium	0.500	0.499	99.8	80.0-120	
Lead	0.500	0.489	97.8	80.0-120	
Selenium	0.500	0.506	101	80.0-120	
Silver	0.500	0.475	94.9	80.0-120	

L1280266-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280266-13 11/06/20 21:47 • (MS) R3590413-4 11/06/20 21:54 • (MSD) R3590413-5 11/06/20 21:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.500	ND	0.488	0.477	96.4	94.3	1	75.0-125			2.13	20
Barium	0.500	0.133	0.608	0.604	95.0	94.3	1	75.0-125			0.612	20
Cadmium	0.500	ND	0.500	0.512	100	102	1	75.0-125			2.26	20
Chromium	0.500	ND	0.494	0.499	97.4	98.4	1	75.0-125			1.06	20
Lead	0.500	ND	0.490	0.495	96.7	97.7	1	75.0-125			0.926	20
Selenium	0.500	ND	0.505	0.512	101	102	1	75.0-125			1.28	20
Silver	0.500	ND	0.475	0.484	95.1	96.7	1	75.0-125			1.72	20

Method Blank (MB)

(MB) R3590407-1 11/06/20 20:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.00250	0.0200
Barium	U		0.00360	0.0500
Cadmium	U		0.00160	0.0100
Chromium	0.00743	J	0.00540	0.0200
Lead	U		0.00240	0.0200
Selenium	U		0.00380	0.0200
Silver	U		0.00310	0.0200

Laboratory Control Sample (LCS)

(LCS) R3590407-2 11/06/20 20:56

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	0.500	0.465	93.0	80.0-120	
Barium	0.500	0.465	93.1	80.0-120	
Cadmium	0.500	0.497	99.4	80.0-120	
Chromium	0.500	0.491	98.2	80.0-120	
Lead	0.500	0.485	97.0	80.0-120	
Selenium	0.500	0.491	98.2	80.0-120	
Silver	0.500	0.480	95.9	80.0-120	

L1280266-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280266-16 11/06/20 20:59 • (MS) R3590407-4 11/06/20 21:06 • (MSD) R3590407-5 11/06/20 21:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	0.500	ND	0.473	0.481	93.5	95.1	1	75.0-125			1.66	20
Barium	0.500	0.365	0.872	0.879	101	103	1	75.0-125			0.779	20
Cadmium	0.500	ND	0.496	0.523	99.3	105	1	75.0-125			5.32	20
Chromium	0.500	ND	0.492	0.502	96.3	98.3	1	75.0-125			2.07	20
Lead	0.500	ND	0.465	0.496	91.1	97.2	1	75.0-125			6.35	20
Selenium	0.500	ND	0.491	0.509	98.2	102	1	75.0-125			3.56	20
Silver	0.500	ND	0.477	0.490	95.5	98.0	1	75.0-125			2.60	20

Method Blank (MB)

(MB) R3590241-3 11/05/20 22:13

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0167	0.0500
Carbon tetrachloride	U		0.0167	0.0500
Chlorobenzene	U		0.0167	0.0500
Chloroform	U		0.0833	0.250
1,2-Dichloroethane	U		0.0167	0.0500
1,1-Dichloroethene	U		0.0167	0.0500
2-Butanone (MEK)	U		0.167	0.500
Tetrachloroethene	U		0.0167	0.0500
Trichloroethene	U		0.0167	0.0500
Vinyl chloride	U		0.0167	0.0500
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3590241-1 11/05/20 20:35 • (LCSD) R3590241-2 11/05/20 20:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.250	0.211	0.213	84.4	85.2	70.0-123			0.943	20
Carbon tetrachloride	0.250	0.173	0.171	69.2	68.4	68.0-126			1.16	20
Chlorobenzene	0.250	0.209	0.207	83.6	82.8	80.0-121			0.962	20
Chloroform	0.250	0.214	0.214	85.6	85.6	73.0-120			0.000	20
1,2-Dichloroethane	0.250	0.234	0.222	93.6	88.8	70.0-128			5.26	20
1,1-Dichloroethene	0.250	0.232	0.231	92.8	92.4	71.0-124			0.432	20
2-Butanone (MEK)	1.25	1.05	1.06	84.0	84.8	44.0-160			0.948	20
Tetrachloroethene	0.250	0.195	0.181	78.0	72.4	72.0-132			7.45	20
Trichloroethene	0.250	0.206	0.195	82.4	78.0	78.0-124			5.49	20
Vinyl chloride	0.250	0.275	0.246	110	98.4	67.0-131			11.1	20
(S) Toluene-d8				*107*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.9*	*96.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*113*	*70.0-130*				

Method Blank (MB)

(MB) R3591059-1 11/05/20 18:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*86.0*			*10.0-135*
(S) Tetrachloro-m-xylene	*84.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3591059-2 11/05/20 18:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.161	96.4	37.0-145	
PCB 1016	0.167	0.163	97.6	36.0-141	
(S) Decachlorobiphenyl			*90.7*	*10.0-135*	
(S) Tetrachloro-m-xylene			*86.3*	*10.0-139*	

Method Blank (MB)

(MB) R3592822-2 11/13/20 03:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dichlorobenzene	U		0.0333	0.100
2,4-Dinitrotoluene	U		0.0333	0.100
Hexachlorobenzene	U		0.0333	0.100
Hexachloro-1,3-butadiene	U		0.0333	0.100
Hexachloroethane	U		0.0333	0.100
Nitrobenzene	U		0.0333	0.100
Pyridine	U		0.0333	0.100
2-Methylphenol	U		0.0333	0.100
3&4-Methyl Phenol	U		0.0333	0.100
Pentachlorophenol	U		0.0333	0.100
2,4,5-Trichlorophenol	U		0.0333	0.100
2,4,6-Trichlorophenol	U		0.0333	0.100
(S) Nitrobenzene-d5	*62.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*64.0*			*10.0-130*
(S) p-Terphenyl-d14	*74.2*			*10.0-128*
(S) Phenol-d5	*18.6*			*10.0-120*
(S) 2-Fluorophenol	*30.1*			*10.0-120*
(S) 2,4,6-Tribromophenol	*61.5*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3592822-1 11/13/20 02:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dichlorobenzene	0.500	0.305	61.0	18.0-120	
2,4-Dinitrotoluene	0.500	0.403	80.6	49.0-124	
Hexachlorobenzene	0.500	0.339	67.8	44.0-120	
Hexachloro-1,3-butadiene	0.500	0.285	57.0	19.0-120	
Hexachloroethane	0.500	0.300	60.0	15.0-120	
Nitrobenzene	0.500	0.305	61.0	27.0-120	
Pyridine	0.500	0.164	32.8	10.0-120	
2-Methylphenol	0.500	0.259	51.8	28.0-120	
3&4-Methyl Phenol	0.500	0.262	52.4	31.0-120	
Pentachlorophenol	0.500	0.373	74.6	23.0-120	
2,4,5-Trichlorophenol	0.500	0.390	78.0	44.0-120	
2,4,6-Trichlorophenol	0.500	0.364	72.8	42.0-120	
(S) Nitrobenzene-d5			*56.5*	*10.0-127*	
(S) 2-Fluorobiphenyl			*68.3*	*10.0-130*	
(S) p-Terphenyl-d14			*71.8*	*10.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3592822-1 11/13/20 02:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*23.2*	*10.0-120*	
(S) 2-Fluorophenol			*34.8*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*72.5*	*10.0-155*	

L1280266-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1280266-13 11/13/20 05:27 • (MS) R3592822-3 11/13/20 05:48 • (MSD) R3592822-4 11/13/20 06:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.500	ND	0.300	0.312	60.0	62.4	1	17.0-120			3.92	40
2,4-Dinitrotoluene	0.500	ND	0.383	0.412	76.6	82.4	1	39.0-125			7.30	25
Hexachlorobenzene	0.500	ND	0.339	0.339	67.8	67.8	1	35.0-122			0.000	24
Hexachloro-1,3-butadiene	0.500	ND	0.269	0.281	53.8	56.2	1	12.0-120			4.36	34
Hexachloroethane	0.500	ND	0.297	0.306	59.4	61.2	1	10.0-120			2.99	40
Nitrobenzene	0.500	ND	0.309	0.311	61.8	62.2	1	12.0-120			0.645	30
Pyridine	0.500	ND	0.166	ND	33.2	18.9	1	10.0-120		J3	54.9	37
2-Methylphenol	0.500	ND	0.258	0.262	51.6	52.4	1	10.0-120			1.54	30
3&4-Methyl Phenol	0.500	ND	0.268	0.278	53.6	55.6	1	10.0-120			3.66	36
Pentachlorophenol	0.500	ND	0.393	0.409	78.6	81.8	1	10.0-128			3.99	37
2,4,5-Trichlorophenol	0.500	ND	0.379	0.407	75.8	81.4	1	33.0-120			7.12	31
2,4,6-Trichlorophenol	0.500	ND	0.354	0.382	70.8	76.4	1	26.0-120			7.61	31
(S) Nitrobenzene-d5					*55.4*	*55.2*		*10.0-127*				
(S) 2-Fluorobiphenyl					*65.6*	*69.5*		*10.0-130*				
(S) p-Terphenyl-d14					*73.6*	*76.4*		*10.0-128*				
(S) Phenol-d5					*23.7*	*24.3*		*10.0-120*				
(S) 2-Fluorophenol					*35.1*	*37.9*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*75.0*	*77.5*		*10.0-155*				

Method Blank (MB)

(MB) R3593283-2 11/15/20 09:39

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dichlorobenzene	U		0.0333	0.100
2,4-Dinitrotoluene	U		0.0333	0.100
Hexachlorobenzene	U		0.0333	0.100
Hexachloro-1,3-butadiene	U		0.0333	0.100
Hexachloroethane	U		0.0333	0.100
Nitrobenzene	U		0.0333	0.100
Pyridine	U		0.0333	0.100
2-Methylphenol	U		0.0333	0.100
3&4-Methyl Phenol	U		0.0333	0.100
Pentachlorophenol	U		0.0333	0.100
2,4,5-Trichlorophenol	U		0.0333	0.100
2,4,6-Trichlorophenol	U		0.0333	0.100
(S) Nitrobenzene-d5	*72.4*			*10.0-127*
(S) 2-Fluorobiphenyl	*74.2*			*10.0-130*
(S) p-Terphenyl-d14	*80.8*			*10.0-128*
(S) Phenol-d5	*23.4*			*10.0-120*
(S) 2-Fluorophenol	*38.3*			*10.0-120*
(S) 2,4,6-Tribromophenol	*61.5*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3593283-1 11/15/20 09:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dichlorobenzene	0.500	0.349	69.8	18.0-120	
2,4-Dinitrotoluene	0.500	0.421	84.2	49.0-124	
Hexachlorobenzene	0.500	0.370	74.0	44.0-120	
Hexachloro-1,3-butadiene	0.500	0.325	65.0	19.0-120	
Hexachloroethane	0.500	0.351	70.2	15.0-120	
Nitrobenzene	0.500	0.328	65.6	27.0-120	
Pyridine	0.500	0.0522	10.4	10.0-120	
2-Methylphenol	0.500	0.292	58.4	28.0-120	
3&4-Methyl Phenol	0.500	0.284	56.8	31.0-120	
Pentachlorophenol	0.500	0.322	64.4	23.0-120	
2,4,5-Trichlorophenol	0.500	0.407	81.4	44.0-120	
2,4,6-Trichlorophenol	0.500	0.356	71.2	42.0-120	
(S) Nitrobenzene-d5			*62.3*	*10.0-127*	
(S) 2-Fluorobiphenyl			*73.3*	*10.0-130*	
(S) p-Terphenyl-d14			*77.7*	*10.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3593283-1 11/15/20 09:18

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*23.4*	*10.0-120*	
(S) 2-Fluorophenol			*37.0*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*70.0*	*10.0-155*	

L1280942-16 Original Sample (OS) • Matrix Spike (MS)

(OS) L1280942-16 11/15/20 10:22 • (MS) R3593283-3 11/15/20 10:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
1,4-Dichlorobenzene	0.500	ND	0.321	64.2	1	17.0-120	
2,4-Dinitrotoluene	0.500	ND	0.400	80.0	1	39.0-125	
Hexachlorobenzene	0.500	ND	0.357	71.4	1	35.0-122	
Hexachloro-1,3-butadiene	0.500	ND	0.305	61.0	1	12.0-120	
Hexachloroethane	0.500	ND	0.351	70.2	1	10.0-120	
Nitrobenzene	0.500	ND	0.312	62.4	1	12.0-120	
Pyridine	0.500	ND	ND	6.86	1	10.0-120	J6
2-Methylphenol	0.500	ND	0.272	54.4	1	10.0-120	
3&4-Methyl Phenol	0.500	ND	0.313	55.4	1	10.0-120	
Pentachlorophenol	0.500	ND	0.333	66.6	1	10.0-128	
2,4,5-Trichlorophenol	0.500	ND	0.396	79.2	1	33.0-120	
2,4,6-Trichlorophenol	0.500	ND	0.355	71.0	1	26.0-120	
(S) Nitrobenzene-d5				*60.8*		*10.0-127*	
(S) 2-Fluorobiphenyl				*68.5*		*10.0-130*	
(S) p-Terphenyl-d14				*73.9*		*10.0-128*	
(S) Phenol-d5				*22.1*		*10.0-120*	
(S) 2-Fluorophenol				*35.5*		*10.0-120*	
(S) 2,4,6-Tribromophenol				*69.0*		*10.0-155*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

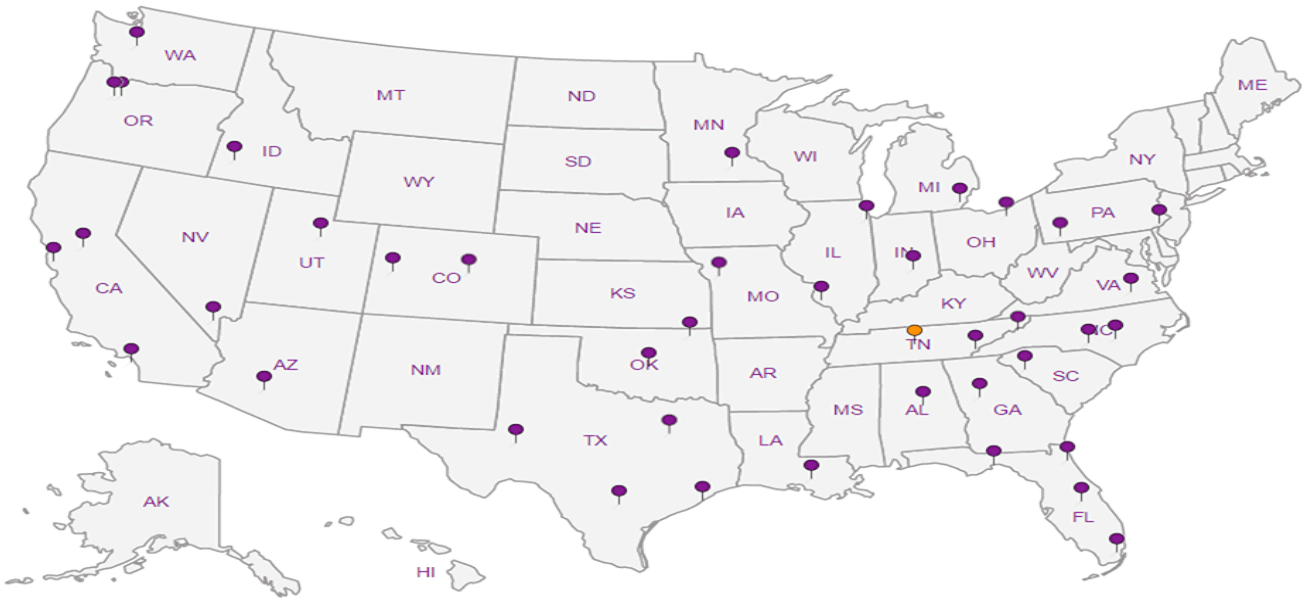
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



EnviroAnalytics Group, LLC

1515 Des Peres Rd., Suite 300
St. Louis, MO 63131

Billing Information:
Laura Sargent
1515 Des Peres Rd., Suite 300
St. Louis, MO 63131

Pres Chk

Report to: Mark Underwood

Email To: munderwood@enviroanalyticsgroup.com

Project Description: Newberg LLC

City/State Collected:

Please Circle: PT MT CT ET

Phone: 734-751-2270

Client Project #

Lab Project # ENVANASLMO-NEWBERG

Collected by (print):

Site/Facility ID # NEWBERG, OR

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	6020TCLP 4ozAmb-NoPres	SV8082, TS 4ozClr-NoPres	SV8270TCLP 16ozClr-NoPres	TOC, TPHOGHEX 4ozClr-NoPres	V8260TCLP 8ozClr-NoPres	pH, TKN 2ozClr-NoPres	Remarks	Sample # (lab only)
S-1	Comp	SS	1-4	10/28/20	1200	6	X	X	X	X	X	X		-01/-13
S-2		SS			1300									-02/-14
S-3		SS			1400									-03/-15
S-4		SS			1430									-04/-16
S-5		SS			1500									-05/-17
S-6		SS			1600									-06/-18
S-7		SS			1700	2								-07/-19
		SS												
		SS												
		SS												

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1280266
H138

Acctnum: ENVANASLMO
Template: T176316
Prelogin: P804462
PM: 873 - Heather J Wagner
PB:
Shipped Via: Client

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking # 9159 8764 3075/3086/3097

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Mark R Underwood	10/30/20	1010	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
PNPon	10/30/20	1200	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			MPappas

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: 1.2 °C Bottles Received: 12

Date: 10-31-20 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

EnviroAnalytics Group, LLC

1515 Des Peres Rd., Suite 300
St. Louis, MO 63131

Billing Information:
Laura Sargent
1515 Des Peres Rd., Suite 300
St. Louis, MO 63131

Pres Chk

Report to: **Mark Underwood**

Email To: **munderwood@enviroanalyticsgroup.com**

Project Description: **Newberg LLC**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **734-751-2270**

Client Project #

Lab Project # **ENVANASLMO-NEWBERG**

Collected by (print):

Site/Facility ID # **NEWBERG, OR**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day X Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	6020TCLP 4ozAmb-NoPres	SV8082, TS 4ozClr-NoPres	SV8270TCLP 16ozClr-NoPres	TOC, TPHOGHEX 4ozClr-NoPres	V8260TCLP 8ozClr-NoPres	pH, TKN 2ozClr-NoPres	Remarks	Sample # (lab only)
S-8	Comp	SS	1-4	10/29/20	0800	6	X	X	X	X	X	X		-08/-20
S-9		SS	1-4	10/29/20	0900									-09/-21
S-10		SS			1000									-10/-22
S-11		X			1100									-11/-23
S-12		X			1200									-12/-24

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

SDG # L1280266

Table #

Acctnum: **ENVANASLMO**

Template: **T176316**

Prelogin: **P804462**

PM: **873 - Heather J Wagner**

PB:

Shipped Via: **Client**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	10/30/20	1010	[signature]
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature] PNPon	10/30/20	1200	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Mapper

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.0 °C Bottles Received: 72
1+1=1.0

Date: 10-31-20 Time: 700

If preservation required by Login: Date/Time

Hold:

Condition: NCF (OK)