APPENDIX K
HAZARDOUS MATERIALS REPORT

Hazardous Materials Environmental Report

Capitol Boulevard – M Street to Israel Road Feasibility
Federal Aid #: STPUS-5235(015)

Phase 1 - Capitol Boulevard/Trosper Road Intersection Improvements

for
City of Tumwater

July 27, 2017

GeoEngineers
Earth Science + Technology

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File No. 0211-019-00

July 27, 2017

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1.0 INTRODUCTION

This Hazardous Materials Environmental Report presents the findings and evaluation of potential environmental conditions for the proposed Capitol Boulevard/Trosper Road Intersection Improvement Project ("Project") in Tumwater, Washington. This Hazardous Materials Environmental evaluation was completed as part of the environmental documentation being prepared to satisfy National Environmental Policy Act (NEPA) requirements for the Project. A Vicinity Map of the Project location is provided as Figure 1. The study area for the NEPA study is outlined in Figure 2 and is herein referred to as the "Project Area of Impact."

The purpose of this study is to identify and evaluate suspect and known environmental conditions relating to hazardous materials that could affect property or right-of-way (ROW) acquisition, Project design, construction and human health or the environment. Hazardous materials include materials that may pose a threat to human health or the environment based on quantity, concentration, and physical and chemical characteristics. Identifying hazardous materials sites prior to construction can decrease the possibility of exposing the public and the environment to hazardous substances. Further, this information can minimize unexpected or additional cleanup or hazardous materials management costs and reduce the potential for additional adverse effects on the environment. This Hazardous Materials Environmental Report also provides information needed to evaluate whether supplemental hazardous material investigations should be conducted to estimate possible cleanup cost or hazardous materials handling costs resulting from Project construction activities. Typical regulatory requirements that may apply to Project design or construction on or near contaminated sites are listed in Appendix A.

The information contained in this report may be used by the City of Tumwater and the design team to assess potential environmental liability associated with project development on or near contaminated sites. The information contained in this report may be used by the project design team to identify mitigation options.

1.1. Project Area of Impact Description

The Project Area of Impact is located east of Interstate 5 in the City of Tumwater as shown on Figure 2. The Project Area of Impact is on a bluff overlying the Palermo neighborhood and the Palermo Wellfield Superfund Site (discussed in greater detail in this report).

The City of Tumwater (City) is proposing the Capitol Boulevard/Trosper Road Intersection Improvements project in Tumwater, Washington. The Capitol Boulevard/Trosper Road Intersection improvements will construct the following:

- A new local street, 6th Avenue, connecting Trosper Road SW and Lee Street SW.
- A two-lane roundabout at the intersection of 6th Avenue/Trosper Road.
- A two-lane roundabout at Capitol Boulevard SE and Trosper Road SW.
- A one-lane roundabout at the ramp terminal on 6th Avenue.
- A new local street, Trosper Road SE, extending Trosper Road east of Capitol Boulevard.

The project will realign the Interstate 5 (I-5) northbound off-ramp to Trosper Road SW and northbound I-5 on-ramp from eastbound Trosper Road SW to intersect 6th Avenue. In addition, Linda Street will be repurposed for local access only and will include driveway aprons at either end to discourage through traffic.

1.1.1. Geology and Hydrology

The Project Area of Impact is mapped as Vashon recessional sand and minor silt, derived from the Vashon glacier. Recessional sand and minor silt consist of moderately well-sorted, moderately to well-rounded, fine- to medium-grained sand with minor silt which is non-cohesive and highly permeable. The thickness of this unit reaches up to 420 feet, as inferred from well logs (Washington State Department of Natural Resources 2003).

Subsurface soils encountered in nearby geotechnical explorations consisted of fine- to medium-grained sand with trace silt or clay extending to approximately 45 feet below ground surface (bgs) (Stantec 2014).

There are no surface water bodies within the Project Area of Impact. Stormwater in the Project area currently either infiltrates into the ground, or is directed into the municipal stormwater system. Site historical information identified during this study indicate that some properties in the Project Area of Impact utilize on-site drywells for stormwater infiltration (see Table 1 for details).

1.1.2. Anticipated Depth of Excavations

The potential risk of hazardous materials environmental concerns during construction is evaluated in part based on planned excavation depths associated with the Project Area of Impact. The Project will include general grading. In addition, utility trenches, storm and irrigation piping trenches, and illumination foundations are expected to involve excavations to depths between 3 and 5 feet bgs in various locations across the Project Area of Impact. Three stormwater facilities will also be constructed; stormwater facilities will involve excavations extending to maximum depths of ten to twelve feet bgs. Actual excavation depths may vary from preliminary depths as the design is refined and finalized.

1.1.3. Proposed Property Acquisitions

Property acquisition is planned at the roundabout at the intersection of 6th Avenue/Trosper Road and the roundabout at Capitol Boulevard SE and Trosper Road SW to expand the ROW; approximate property acquisition boundaries are shown on Figure 2.

Full acquisition of four individual parcels is planned in connection with the Project: Thurston County parcels 12834440602, 12834440400, 12834440600, and 12834440000. Partial acquisition is planned of portion of eight other parcels.

1.1.4. Anticipated Groundwater Depth

Groundwater is present between depths of approximately 35 to 55 feet bgs in the Project Area of Impact and flows to the east-northeast based on environmental assessments completed for the Palermo Wellfield Superfund Site. Local variations in depth to groundwater may vary across the Project Area of Impact and shallower perched water may be encountered.

1.2. Analysis Study Overview/Regulatory Considerations

The purpose of this study is to identify and evaluate suspect and known environmental conditions relating to hazardous materials that could affect property or right-of-way acquisition, Project design, construction and human health or the environment. The acquisition of known or potentially contaminated properties and handling of hazardous materials during construction should follow the policies, guidance and laws described in Appendix A.

1.3. Methodology

The following tasks were performed as part of this alignment hazardous materials study:

1. **Site Screening/Regulatory Database Review.** Review the results of a March 2017 federal, state, local and tribal environmental database search (Environmental Database Resources [EDR] Report) for listings of sites with known or suspected environmental conditions on or near the Project Area of Impact within the search distances specified by ASTM Standard E 1527-13. No title research was conducted as part of the study. The database search report is included in Appendix B.
2. **Field Reconnaissance/Windshield Survey.** Conducted a drive-by reconnaissance of the Project Area of Impact. The windshield survey focused on sites with known or suspected environmental concerns that could potentially affect acquisition, design or construction decisions. The windshield survey was limited to features readily observed from public access corridors. We did not enter private property during the field reconnaissance. Information regarding the sites was recorded in field notes and photographs.
3. **File Review/Aerial Photograph Review/Historical Records Review.** Available historical records and agency files for suspect sites were reviewed to identify potential sources of contamination, the nature and extent of known contamination, remedial activities completed or in-process, and the possible affect these sites may have on the Project. The following records review sub-tasks were completed:
    - Reviewed publicly-available files and records from the Washington State Department of Ecology (Ecology) and requested Ecology hard copy files as necessary.
    - Reviewed available geologic literature and topographic maps to evaluate surface drainage paths as well as groundwater depths and flow direction in the Project Area of Impact.
    - Interpreted historical use and development within and surrounding the Project Area of Impact based on available aerial photographs provided by EDR dated 1941, 1953, 1957, 1968, 1973, 1976, 1980, 1982, 1990, 1991, 2005, 2006, 2009, and 2011.
    - Reviewed historical and current tax assessor records available on the Thurston County tax assessor website.
    - Reviewed historic city directories as available between 1963 and 2013 for business listings.
    - Screened the suspect properties based on their location relative to the Project Area of Impact, and based on additional site-specific environmental data available in regulatory agency files. This screening process is used to identify conditions that represent a potential to significantly affect human health/the environment or Project design, acquisition or construction.
4. **Risk Analysis of Impacts and Mitigation Measures**

- Evaluated potential impacts that known or suspected contamination may have on human health/the environment or Project design, acquisition, construction activities or costs.
- Identified potential mitigation measures and options to minimize potential impacts of hazardous substances to the proposed Project and human health/the environment.

5. **Prepare Draft and Final Report**

   - Prepared this "right-sized" hazardous materials analysis report in general accordance with Chapter 447 of the WSDOT's Environmental Manual (June 2016). This report and scope of study do not constitute a Phase I Environmental Site Assessment (ESA) report per ASTM International (ASTM) Standard 1527-13 for Phase I ESAs.

2.0 AFFECTED ENVIRONMENT

Potential hazardous materials concerns identified by the study are described in this section. An opinion was made regarding the relative risk of impact (low, moderate or high) posed by each hazardous materials concern. The relative risk of impact refers to the potential for the hazardous materials concern to affect human health/the environment, property acquisition, Project design, construction and/or the City of Tumwater's potential environmental liability. Relative risk of impact was assessed based on best professional judgment considering numerous factors such as: the distance between the identified concern and the Project Area of Impact, depths of planned excavation or type of construction, type and duration of historical development on identified hazardous materials sites, media that is potentially contaminated (soil, groundwater, surface water, air), known and suspected chemicals of concern, regulatory cleanup status of identified hazardous materials sites, surface topography, hydraulic gradient and contaminant migration potential.

Sites were classified as "low risk" if a suspect concern exists based on historical or current development, but the likelihood for the conditions to affect the Project is assessed to be relatively low. Sites were classified as "moderate risk" if a documented hazardous materials concern exists based on historical or current development, and the conditions may affect the project. Sites for which sufficient documentation to inform an opinion regarding risk was not available were also ranked as "moderate." Sites were classified as "high risk" if a documented hazardous materials concern exists based on historical or current development, and documented contamination has a high probability to affect the Project in some way.

The sites of concern were also rated, using best professional judgment, as "straightforward" or "complicated" according to the perceived level of complexity of the impact and potential cost impact to the Project. Sites classified as straightforward typically consist of petroleum and/or metals contamination in soil where the likely extent of the contamination is not widespread. Sites classified as complicated consist of sites with likely widespread contamination or sites associated with solvents or halogenated volatile organic compounds (HVOCs). Complicated sites will typically involve additional research, investigation and possibly regulatory involvement.

It should be noted that rankings of relative risk and complexity could change if additional historical records or environmental data are identified, or if project design or construction assumptions change significantly from those known as the time of publishing this report.

Study findings are explained below and summarized in Table 1; hazardous materials sites of concern within or near the Project Area of Impact are shown on Figure 2. Excerpts and relevant Ecology files are included in Appendix C. Sites screened out because they do not represent suspect or known hazardous materials concerns were not classified and described in this report.

TABLE 1. HAZARDOUS MATERIALS CONCERNS

Map ID	Current Business (Listed Business) Current Address (Former Address)	Thurston County Parcel Number	Site Information	Relative Risk	Complexity of Cleanup	Potential to Encounter Contamination During Construction
A	Starbucks (7-Eleven #230314479M) 5310 Capitol Boulevard S	44100201400	***Site Listed in the Following Regulatory Databases: ICR, UST, ALLSITES, VCP, CSCSL NFA, FINDS*** This property was an historical service station with two 10,000-gallon gasoline USTs and one 12,000-gallon gasoline UST. During UST decommissioning in April 2002, soil was found to be impacted with gasoline and BTEX constituents. In May 2002, groundwater was confirmed to be impacted with gasoline and BTEX. Between 2003 and 2007, multiple soil borings were completed with soil and groundwater sampling. The highest concentration of gasoline detected in soil samples from the property during these assessments was 4,800 mg/kg (from a soil sample obtained from a depth of 20 feet bgs). The MTCA Method A unrestricted land use (ULU) cleanup level for gasoline is 30 mg/kg. In August 2013, three soil vapor samples were collected from the site. Petroleum-related volatiles were not detected in the soil vapor samples. Five additional soil borings were advanced in 2013 near previous sampling locations to determine if concentrations of petroleum-related impacts had declined. Groundwater samples were also collected in 2013 from five monitoring wells. Gasoline, toluene, and xylenes in the groundwater samples were detected at concentrations less than the respective MTCA Method A cleanup levels. Soil borings were not completed directly adjacent to the ROW, but chemicals of concern were not detected in soil samples collected near the ROW. In December 2014, the five groundwater monitoring wells were abandoned by removal and the site received a No Further Action (NFA) from Ecology.	Moderate	Straightforward	Property acquisition is not planned on this property. Excavation for stormwater facilities and general grading is planned to up to a depth of 12 feet in the roadways adjacent to the west. Petroleum-related chemicals of concern had been detected in soil and groundwater samples from this site, but at concentrations less than the MTCA Method A cleanup levels. Residual petroleum hydrocarbons had still been identified at the site as of the site NFA determination 2014. Based on the proximity of the proposed stormwater facilities relative to the service station UST and other features, this site is considered moderate risk because it is not known if petroleum impacts extend into the ROW where they may be encountered during Project construction.

Map ID	Current Business (Listed Business) Current Address (Former Address)	Thurston County Parcel Number	Site Information	Relative Risk	Complexity of Cleanup	Potential to Encounter Contamination During Construction
B	Jack in the Box (Drew's Mobil) 110 Trosper Road	09080038000	***Site Listed in the Following Regulatory Databases: ALLSITES, UST, CSCSL NFA, FINDS, ICR*** This property was previously a service station. In December 1990, two 6,000-gallon gasoline USTs, one 4,000-gallon diesel UST, one 500-gallon waste oil UST, one dry well, one floor drain/sump, two hydraulic hoists, and all associated service station piping and equipment were removed from the site. Evidence of petroleum-contaminated soil was reportedly observed during removals of the USTs and other equipment. Excavation to remove petroleum-impacted soil subsided extended as deep as 25 feet bgs near the former pump islands. A total of approximately 750 cubic yards of petroleum-impacted soils were removed from the site and disposed off-site at a landfill. Confirmation soil samples were collected from the final excavation limits. The cleanup report states that chemicals of concern either were not detected in the confirmation soil samples or were detected at concentrations less than the MTCA Method A Cleanup Levels in place at the time (1990). UST removal and cleanup confirmation sample locations and chemical analytical data were not included in the reports available in Ecology files. Ecology issued a letter in December, 1991 stated no further action was necessary at this site, however cleanup levels have been modified since 1990 Since the actual chemical analytical results are not available for review, we are unable to evaluate the results relative to the current MTCA Method A ULU cleanup levels.	High	Straightforward	Smaller areas of ROW will be acquired for the Project on the east and south portions of this property. Excavation for stormwater facilities and general grading is planned to depths up to 5 feet bgs in the ROW adjacent to the east and south. Based on available information, residual petroleum-contamination may be present in the ROW acquisition areas or possibly in existing adjacent ROW. Therefore, this site is considered high risk to the Project.
C	Extreme Auto Spa & Detail (Poage's Auto Towing) 5403 Capitol Boulevard S	12834440701	***Site Listed in the Following Regulatory Databases: EDR Historical Auto Stations, FINDS, ALLSITES, UST, RCRA Nongen/NLR, ECHO*** This site is an auto repair, auto body and tow yard site. One 1,000-gallon gasoline UST and one 500-gallon waste oil UST were removed from this property in February 1991. No fuel leaks or spills were reported during the UST removals. Thurston County conducted a technical assistance site visit in 1995 and discovered a drywell in an enclosed service bay inside the main shop area. The drywell was reportedly in operation since at least 1979. The drywell was not reported to have intentionally been used for waste disposal; however, the shop owner reported to the County that waste materials may have inadvertently reached the drywell. A slurry sample from the drywell that was submitted for chemical analyses had gasoline-, diesel- and heavy oil-range petroleum hydrocarbons, cadmium, lead, and tetrachloroethene (PCE) detected at concentrations greater than MTCA Method A Cleanup Levels. In March 1996, three soil samples and one water sample (not groundwater) were collected from beneath the outside of the drywell. Chemicals of concern were detected in the soil and water samples at concentrations less than MTCA Method A Cleanup Levels. Thurston County issued a letter for the property in April 1996; stating no further action was necessary however, the letter stated that, "the county believes that the results of the soil sampling effort are not conclusive in ruling out the presence of contamination associated with the dry well." In May 1996, the drywell was backfilled with bentonite and concrete and capped with an 8-inch thick layer of concrete. In August 1996, Thurston County Public Health and Social Services Department forwarded information about the site to Ecology.	High	Complicated if Solvent-contamination is present. Straightforward if petroleum contamination is present.	Acquisition is planned on the northern and western portions of this property with general grading on the west and north portions of the site. A new stormwater facility is planned to the east and north of this site. Based on information in the Thurston County and Ecology files, residual contamination may be present in the acquisition areas or possibly where the stormwater facilities will be located. Therefore, this site is considered high risk.

Map ID	Current Business (Listed Business) Current Address (Former Address)	Thurston County Parcel Number	Site Information	Relative Risk	Complexity of Cleanup	Potential to Encounter Contamination During Construction
D	Sound Credit Union 5301 Capitol Boulevard S	12834440400	***Database Listing: None*** The adjacent property building for Map ID C is located approximately 1 foot from the southern property boundary. As described in the description above, potentially petroleum and solvent-contaminated soil is present on Map ID C. This site is identified due to potential from offsite concern. The previous tavern was heated with oil based on the historical tax assessor records. Heating oil is typically stored in tanks and it is not known if the tank was removed during redevelopment of the site for the current building.	Moderate	Complicated if Solvent-contamination is present. Straightforward if petroleum contamination is present.	This property will be acquired in full for the Project and regrading is anticipated for construction. This site is considered a moderate risk because there is a potential that petroleum and solvents from off-site sources (Map ID C) near the existing building have migrated to this property. Furthermore, it is not known if the heating oil tank associated with the former building is still present.
E	Capitol Shell (Tumwater Shell) 5200 Capitol Boulevard S	09080066001	***Site Listed in the Following Regulatory Databases: Financial Assurance, FINDS, ALLSITES, MANIFEST, VCP, CESCL NFA, RCRA Nongen/ NLR, ECHO, UST, EDR Historical Auto Stations*** This site is a currently an abandoned service station. In 1992, diesel-contaminated soils were discovered while decommissioning a 500-gallon heating oil UST and retrofitting service station vapor recovery equipment. A subsequent cleanup effort removed visibly contaminated soils beneath the UST and the vapor recovery equipment. Chemical analysis of soil samples at the limits of the 1992 excavations indicated that concentrations of chemicals of concern were less than MTCA Method A Cleanup Levels in place at the time. In 1995, a waste oil UST and hydraulic hoists at the service station were removed during remodeling activities. Chemical analysis of soil samples at the limits of the 1995 excavations indicated that concentrations of chemicals of concern were less than MTCA Method A Cleanup Levels. In 2005, five direct-push borings were advanced to depths of approximately 20 feet bgs near the 1992 heating oil UST and product piping excavations. Chemical analysis of four soil samples indicated that concentrations of petroleum-related constituents were less than the MTCA Method A Cleanup Levels. Six soil borings were completed in 2005 in the vicinity of the UST systems; the borings extended to approximately 20 feet bgs. Petroleum-related contaminants were not detected in soil samples obtained from the borings. Ecology issued a NFA determination for the site in June 2008. In 2015, a UST removal notification for four USTs was submitted to Ecology. No information was located in Ecology's file regarding the UST removal and soil sampling.	Moderate	Straightforward	Property acquisition is not planned on this site. General grading and a joint utility trench to depths up to 5 feet bgs are planned on the adjacent road to the west. Based on the proximity of the trench relative to the service station USTs and other features, this site is considered moderate risk because it is not known if petroleum impacts extend into the ROW where they may be encountered during Project construction.
F	Motel 6 – Drug Lab 400 W Lee Street RM 236	12834444100	***Site Listed in the Following Regulatory Databases: FINDS, ALLSITES, RCRA Nongen/NLR, ECHO*** A drug lab inspection and cleanup of a motel room on this site was conducted by Ecology in 1993. All associated chemicals and tools were reported cleaned up and disposed off-site. Acquisition	Low	Straightforward	Property acquisition is not planned on this site. A storm drain trench to a depth of 5 feet bgs is planned at the proposed extension of 6th Ave SW to the east. Because the chemicals associated with the former drug lab were unlikely to impact soil or groundwater, this site is considered low risk to the study area.

Map ID	Current Business (Listed Business) Current Address (Former Address)	Thurston County Parcel Number	Site Information	Relative Risk	Complexity of Cleanup	Potential to Encounter Contamination During Construction
See PCE and TCE Plumes on Figure 2	Palermo Wellfield Superfund Site Potential Sources of Groundwater Contamination Associated with this Site include the following nearby properties: (1) Mobil Gas Station (WSDOT Materials Testing Facility) at 5313 Littlerock Road SW; (2) WSDOT Materials Testing Facility at 1655 S 2nd Avenue; and (3) Southgate Dry Cleaners at 5141 Capitol Boulevard SW		***Site Listed in the Following Regulatory Databases: ALLSITES, CSCSL, HSL, US Inst. Control, US Engineering Control, NPL, PRP, ROD, SEMS*** The Palermo Wellfield Superfund Site is an extensively studied area nearby to the Project Area of Impact with a large plume of chlorinated solvent-related groundwater contamination. The plume was first identified in 1993, when groundwater sampling of City of Tumwater drinking water wells in the Palermo Wellfield revealed trichloroethylene (TCE). Identified solvent contamination sources for TCE include current and former Washington Department of Transportation (WSDOT) testing facilities located to the west of I-5. The contaminant source for PCE (which degrades to TCE) is the Southgate Dry Cleaners located east of I-5. Interim cleanup efforts such as groundwater pump-and-treat, a groundwater interceptor subdrain and lagoon system and soil vapor extraction, have been performed over the years; remediation and assessment efforts are still ongoing under EPA and Ecology oversight. The extent of the PCE and TCE groundwater plumes and the three sites that are the potential sources to solvent-related groundwater contamination are shown in Figure 2.	Moderate	Complicated	Property acquisition is not planned at locations directly overlying the plume or the contamination sources. The PCE and TCE plumes extend to the east-northeast and directly north of the Project Area of Impact. Two proposed stormwater facilities, with excavations depths of up to 12 feet bgs, are planned approximately 300 feet south of the extent of the TCE plume. Based on the potential for PCE/TCE migration in groundwater to the stormwater facility location, the Palermo Wellfield Superfund Site is considered moderate risk to the subject property. If stormwater facility excavations are proposed to extend to depths where groundwater could be encountered, or structures are constructed at locations overlying the plume where indoor air vapor intrusion is a concern, the Site would be considered high risk.

Notes:

AAI = All Appropriate Inquiries
ALLSITES = Ecology database of sites on other databases
bgs = below ground surface
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
CSCSL = Confirmed and Suspected Contaminated Sites List
ECHO = Enforcement and Compliance History Online
Ecology = Washington State Department of Ecology
FINDS = Facility Index System
HAZWOPER = Hazardous Waste Operations and Emergency Response
HSL = Hazardous Sites List
ICR = Independent Cleanup Report
IRAP = Independent Remedial Action Program
LUST = Leaking Underground Storage Tank
MTCA = Model Toxics Control Act
NFA = No Further Action
NPL = National Priority List
PRP = Potentially Responsible Parties
RCRA NonGen/NLR = Resource Conservation Recovery Act – Non Generator/No Longer Regulated
ROD = Records Of Decision
SEMS = Superfund Enterprise Management System
VCP = Voluntary Cleanup Program
US Eng. Control = Engineering Controls Sites List
US Inst. Control = Sites with Institutional Controls
UST = Underground Storage Tank

3.0 IMPACTS AND MITIGATION MEASURES

Impacts to human health/the environment, Project design, construction and property acquisition were evaluated based on readily available information. One low-risk, four moderate-risk, and two high risk site were identified during our study. A brief description of each of these sites is presented in Table 1 and their locations in relation to the Project are shown in Figure 2.

The potential removal of hazardous materials during construction associated with the Project will result in an overall beneficial indirect effect to the study area.

Potential impacts associated with hazardous materials include:

- Liability associated with acquisition/ownership of contaminated properties.
- Management of contaminated material during construction activities.
- Delays and costs associated with unanticipated contamination encountered during construction.

Standard impacts and mitigation measures (https://www.wsdot.wa.gov/NR/rdonlyres/A7DECBAB-13E3-4F4B-ABE8-E2066C868D5C/0/StandImpactMitigatMeasure.pdf) address typical impacts and mitigation measures associated with hazardous materials sites and construction projects. The referenced table is organized into three main types of impact: Environmental (Direct, Indirect, and Cumulative), Construction and Liability. Mitigation measures are actions taken prior to and during construction to avoid or reduce the hazardous material impacts. Respective mitigation measures are provided for each type of impact. The appropriate mitigation measures to employ would be based on best professional and engineering judgment. Mitigation measures can effectively control and/or minimize impacts. Mitigation measures prevent or reduce environmental impacts, minimize construction costs, and avoid or reduce future long-term cleanup costs associated with managing, remediation, and monitoring work.

The standard impacts and mitigation measures apply to the sites of concern identified in this study, except for the Palermo PCE and TCE groundwater plumes which will require Project-specific impacts and mitigations to be developed. In this case, additional study will be required in connection with the proposed stormwater infiltration facilities to evaluate the types and extent of impact that stormwater infiltration may have on the PCE/TCE plumes, and to incorporate design elements appropriate to mitigate impacts.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This report identifies several potentially contaminated sites that may affect human health/the environment, or affect Project design, construction and property acquisition. Concerns related to hazardous materials for the Project Area of Impact include:

- Two sites (Map ID B and C) where remnant petroleum-contaminated soil is present and property acquisition is planned.
- One site (Map ID D) where property acquisition is planned and there is potential for off-site contamination to have migrated to the site.
- Three sites (Map ID A and F) where soil and/or groundwater contamination issues were present in the past and construction is planned in the ROW adjacent to these sites.

- One site (Map ID E) where a former drug lab was located, but soil and groundwater are likely not impacted.
- An extensive plume of PCE/TCE contamination in groundwater located north of the Project Area of Impact (the plume is part of the Palermo Wellfield Superfund Site, where assessment and cleanup are ongoing under oversight by EPA and Ecology).

We recommend the following actions to mitigate the impacts discussed above.

- **Property Acquisition.** We recommend Phase I ESAs be conducted in accordance with ASTM 1527-13 on sites where more than 500 square feet of property acquisition is planned and on sites of concern where any property acquisition is planned. The cost of a Phase I ESA on an individual parcel may range between $2,000 and $5,000. A follow-up Phase II ESA may be necessary to assess the potential for recognized environmental conditions (RECs) that could be identified in the Phase I ESA to affect the parcels. Costs of a Phase II ESA may range between $10,000 and $30,000. Phase I and Phase II ESAs ideally should be completed prior to property acquisition.
- **PCE/TCE Groundwater Plumes.** We recommend that the location and design of the infiltration facilities consider the potential impacts to, and potential impacts from, PCE and TCE groundwater contamination.
- **Management During Construction**. The following are recommended to mitigate risk associated with the remaining sites of concern identified within the Project Area of Impact:
  - The City of Tumwater should inform the Project contractor of potential hazardous materials that could be encountered during construction of the Project by providing a copy of this report. Construction specifications should require contractors to develop plans to protect their employees and the public from exposure to hazardous materials (HAZWOPER), and to manage hazardous materials encountered during construction in accordance with local, state and federal regulations and requirements. Soil reuse on- or off-site and discharge or disposal of construction-generated water should be in accordance with all applicable local, state and federal requirements, guidance and best management practices.
  - City of Tumwater's contractor should develop a contaminated media identification and management plan (CMMP) in relation the specific sites of concern located within the study area. The plan should include methods for identification, handling and management of potentially contaminated soil, sediment and dewatering fluids that may be generated during construction.

4.1. Certification Statement

Based on the judgement of Dana Carlisle and Tricia DeOme, this report documents the appropriate level of investigation necessary to identify potentially contaminated sites that may affect the environment, create construction impacts, and/or incur potential cleanup liability to the City. This report is based upon our understanding of the Project footprint at the time this report was prepared. Changes to the footprint will likely affect the conclusions and recommendations of this report. We recommend updating this report if the footprint is modified or adjusted.

5.0 LIMITATIONS

This report has been prepared for use by City of Tumwater c/o SCJ Alliance. The report may be provided to the Project design and construction team for review. GeoEngineers has performed this report for the proposed Capitol Boulevard Corridor Phase I Feasibility, Trosper Road and 6th Avenue Roundabouts Project in Tumwater, Washington.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with the generally accepted environmental science practices for this report in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

Please refer to Appendix D titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

6.0 REFERENCES

Aerial photographs provided by EDR dated 1941, 1953, 1957, 1968, 1973, 1976, 1980, 1982, 1990, 1991, 2005, 2006, 2009, and 2011.

CH2MHill 2013. Third Five-Year Review Report – Palermo Wellfield Superfund Site - Tumwater, Washington. Tumwater, Washington. September 2013.

City Directories provided by EDR dated 1963, 1967, 1972, 1977, 1982, 1987, 1992, 1995, 1999, 2003, 2008, 2013.

Environmental Data Resources, Inc. 2017. EDR Radius Map Report dated March 20, 2017 (comprehensive environmental database report, including Ecology and EPA databases).

Rittenhouse-Zeman and Associates 1992. Untitled Environmental Site Investigation – Drew's Mobil Station. 110 Trosper Road, Tumwater, Washington. February 28, 1992.

Sanborn Fire Insurance maps provided by EDR, no coverage.

Stantec Consulting Services, Inc. 2014. Cleanup Action Report – Former 7-Eleven Store No. 14479, 5310 Capitol Boulevard, Tumwater, Washington. Tumwater, Washington. July 17, 2014.

Thurston County Health Department. Site Hazard Assessment – BP Service Station 03158, 501 Trosper Rd. SW, Tumwater, Washington.

Thurston County Environmental Health 1996. Initial Investigation Summary Report – Poage's Automotive & Towing. 5403 Capitol Boulevard SE, Tumwater Washington. June 21, 1996.

United States Geological Survey (USGS) topographic maps for Tumwater, Washington quadrangle provided by EDR, dated 1916, 1937, 1940, 1944, 1949, 1959, 1964, 1966, 1968, 1973, 1974, 1975, 1981, 1990, 1994, 1997, 2013, and 2014.

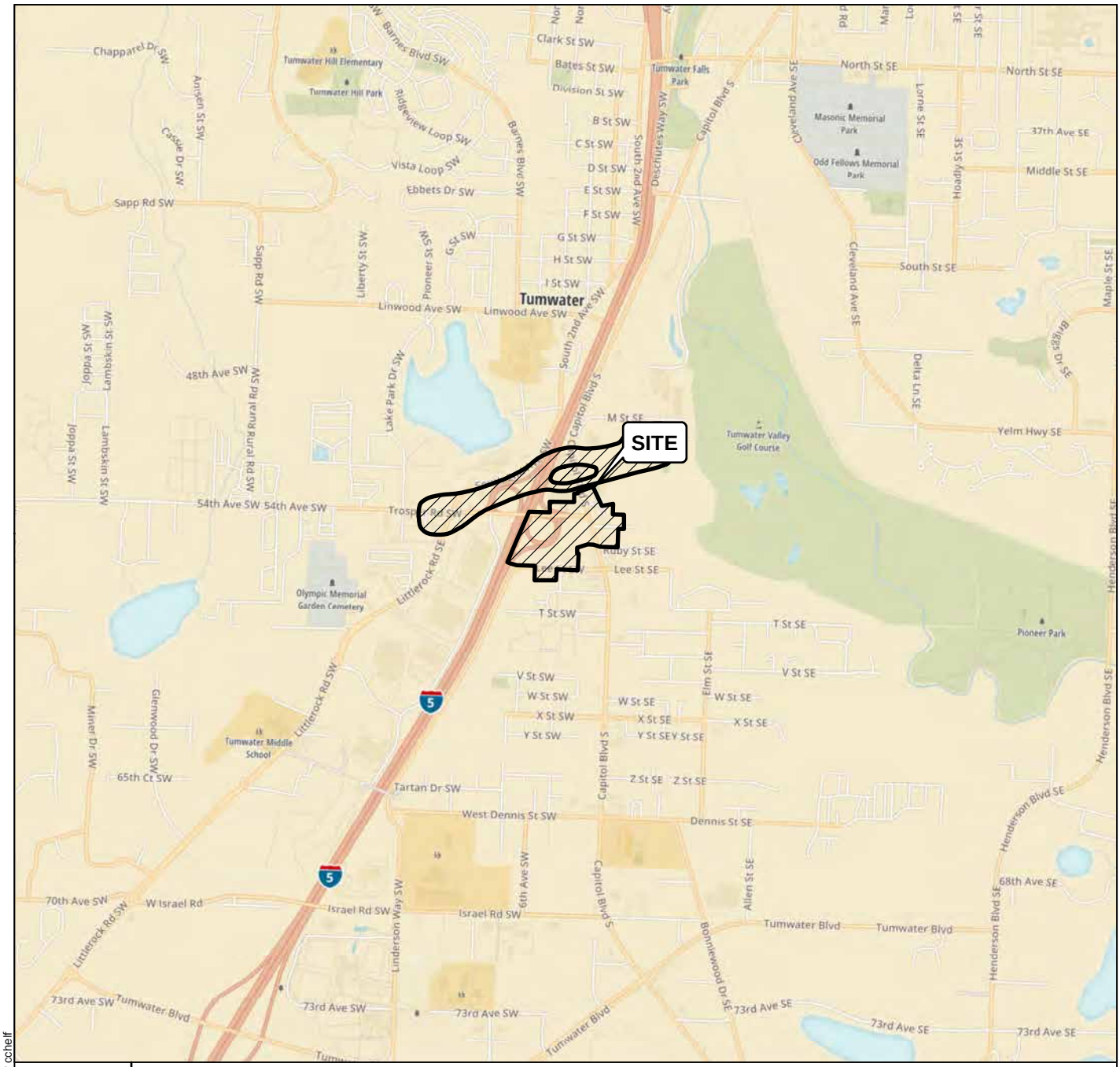
Washington Department of Ecology 2015. No Further Action Determination – BP Service Station 03158. 501 Trosper Road SW, Tumwater, Washington. June 1, 2015.

Washington Department of Ecology 2014. No Further Action Determination – 7 Eleven Food Store 230314479M. 5310 Capitol Boulevard SE, Tumwater, Washington. December 2, 2014.

Washington Department of Ecology 2008. No Further Action Determination – Tumwater Shell (Texaco). 5200 Capitol Boulevard, Tumwater, Washington. June 19, 2008.

Washington Department of Ecology 1993. Re: Emergency Disposal of Drug Lab Wastes, Thurston County. Room 236, Motel 6, 400 West Lee Street, Tumwater, Washington. June 7, 1993.

Washington State Department of Natural Resources Geologic Map of the Maytown 7.5-minute Quadrangle, Thurston County, Washington, dated 2009.



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Mapbox Open Street Map, 2016

Projection: NAD 1983 StatePlane Washington South FIPS 4602 Feet

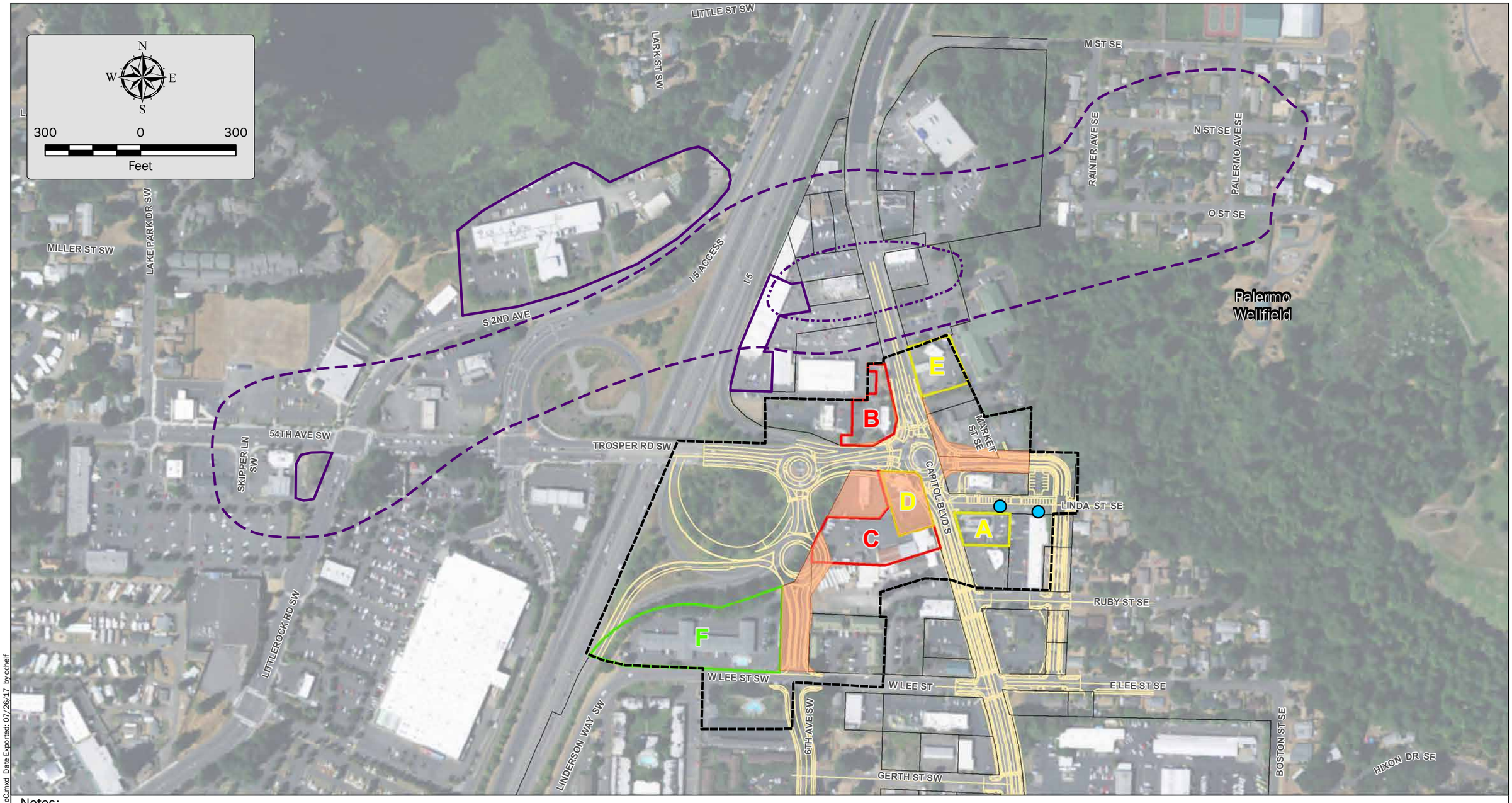
Vicinity Map

Capitol Boulevard/Trosper Road
Intersection Improvement Project
Tumwater, Washington

GeoEngineers

Figure 1

P:\0\0211019\GIS\MXD\0211101900_F01_VM.mxd Date Exported: 07/26/17 by cchelf



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
3. PCE = tetrachloroethene, TCE = trichloroethene

Data Source: Road data from Thurston County GIS.
Aerial image from ArcGIS Data Online.

Projection: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet

Legend

- Approximate Area of Impact
- Proposed New Roadway
- Anticipated Property Acquisition
- Thurston County Parcel Boundary

Sites Of Concern

Map ID and Relative Risk To Project

- High
- Moderate
- Low

Palermo Wellfield Site of Concern – Moderate Risk

- Palermo Wellfield Monitoring Wells
- PCE Plume ≥10 µg/L - Southgate Dry Cleaners (CH2MHill, 2013)
- TCE Plume ≥1 µg/L - Palermo Wellfield (CH2MHill, 2013)
- Potential Sources to Palermo Wellfield PCE and TCE Groundwater Plumes

Overview of Sites of Concern

Capitol Boulevard/Trosper Road
Intersection Improvement Project
Tumwater, Washington

GeoEngineers

Figure 2

P:\0\0211019\GIS\MXD\0211019000_F02_SoC.mxd Date Exported: 07/26/17 by:cheif

APPENDIX A
Regulatory Requirements

APPENDIX A
REGULATORY REQUIREMENTS

Applicable Federal and State Regulations

Numerous federal, state and local regulations and policies relate to hazardous materials. This appendix outlines many, but not all, of those federal and state regulations and is intended as a guide for potentially applicable hazardous materials considerations for construction projects. The project owner and their agents are typically responsible for regulatory applicability, relevant, appropriateness and compliance, which should be reviewed for each project.

Federal Regulations

Federal law and regulations relating to hazardous materials and wastes that affect the project include the following:

Comprehensive Environmental Response, Compensation, and Liability Act and All Appropriate Inquiries (40 CFR Part 312)

Section 101(35)(B)(ii) and (iii) of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) define liability for hazardous waste contamination and require liable parties to take responsibility for cleanup. 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries, establishes specific regulatory requirements and standards for conducting AAI provisions necessary to qualify for certain landowner liability protections under CERCLA.

Resource Conservation and Recovery Act

Resource Conservation and Recovery Act (RCRA) provides requirements for handling, transportation, treatment, storage, and disposal of hazardous materials and wastes. It includes provisions for identifying and classifying hazardous materials and wastes, and through the Hazardous and Solid Waste Amendments (HSWA), creates treatment standards for specific wastes. HSWA also establishes requirements for ownership, operation, maintenance and closure of underground storage tanks (USTs). Any removal, treatment or transportation of contaminated soils as part of the proposed project may need to be conducted in compliance with RCRA.

Occupational Safety and Health Act

Occupational Safety and Health Act (OSHA) establishes requirements for site safety procedures, worker training, and worker safety and health standards for employees engaged in work related to hazardous materials. All work relating to the handling of, and potential exposure to, hazardous substances by workers while conducting activities associated with the project must be in compliance with the relevant sections of OSHA.

Clean Water Act

The Clean Water Act (CWA) provides for comprehensive federal regulation of all sources of water pollution. Pollution of state waters is controlled by two administrative regulations that implement Chapter 90.48 Revised Code of Washington (RCW), Water Pollution Control Act; Chapter 173-201A Washington Administrative Code (WAC), Water Quality Standards for Surface Waters of the State of Washington; and Chapter 173-200 WAC, Water Quality Standards for Groundwater of the State of Washington.

Chapter 173-201 WAC indicates that toxic substances above natural background levels will not be introduced into waters of the state if the substance will: (1) singularly or cumulatively adversely affect characteristic water uses, (2) cause acute or chronic toxicity to the most sensitive biota dependent on the water, or (3) adversely affect public health. Ecology would employ or require chemical toxicity testing and biological assessments as appropriate to evaluate compliance with the above-mentioned requirements. WAC 173-201A-160 lists the primary means for controlling municipal, commercial and industrial waste discharges through the issuance of waste disposal permits.

Several permit programs have been established to address the construction projects that may introduce hazardous substances to surface waters, including wetlands. The State Water Discharge Permit (WAC 173-216) program includes a variety of exemptions, most of which relate to discharges that are permitted under a National Pollution Discharge Elimination System (NPDES) permit or are otherwise authorized by a publicly owned treatment works (POTW) with an authorized pretreatment program. The NPDES General Stormwater Permit for Construction Activities requires the development and implementation of a Stormwater Pollution Prevention Plan.

National Environmental Policy Act

National Environmental Policy Act (NEPA) requires that all actions sponsored, funded, permitted, or approved by federal agencies undergo planning to ensure that environmental considerations are given due weight in project decision-making. One of the major elements addressed in a NEPA assessment is environmental health. Assessment of impacts associated with hazardous materials and waste is a component of the environmental health evaluation.

Endangered Species Act

Endangered Species Act regulates a wide range of activities affecting plants and animals designated as "endangered" or "threatened." The Endangered Species Act states that it is unlawful to "take" any animal listed as an endangered species. The Endangered Species Act lists "Endangered" animals or plants that are in danger of being extinct. The Endangered Species Act broadly defines a "take" to include, "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect," or an attempt to engage in such conduct.

National Emission Standards for Hazardous Air Pollutants
(Code of Federal Regulations, Title 40, Volume 5, Parts 61 to 71)

The Environmental Protection Agency's rules concerning the removal and disposal of asbestos-containing materials (ACM) were issued under National Emission Standards for Hazardous Air Pollutants (NESHAP). NESHAP requires a thorough inspection for friable and non-friable ACM within a structure prior to demolition activities. An accredited inspector as required by the Asbestos Hazard Emergency Response Act (AHERA) must conduct all inspections. The NESHAP regulation also includes specific notification, work practice, packaging, labeling and disposal requirements.

The Puget Sound Clean Air Agency (PSCAA) requires that a notice of intent be submitted prior to beginning any work on an asbestos demolition. The only exception is asbestos projects involving less than 48 square feet and the removal of non-friable asbestos containing roofing material. An AHERA building inspector or competent person must make determinations regarding friability. There is a notification waiting period and fee required prior abatement work. Asbestos removed from buildings prior to demolition must be disposed in a landfill permitted to receive ACM.

State Regulations

Washington State implements many of the federal statues pertaining to hazardous materials and wastes along with its own, often more stringent, laws and regulations.

Model Toxics Control Act Regulations (Chapter 173-340 WAC)

Chapter 173-340 WAC implements Model Toxics Control Act (MTCA), RCW 70.105D. The State has published numerous guidance documents and policy related to MTCA. MTCA rules include requirements for site discovery and reporting, site assessment, hazardous site listing, cleanup and public participation. This regulation defines standard methods used to assess risk to human health and the environment. Cleanup standards are presented in WAC 173-340-700 through -760. WAC 173-340-450 sets forth the requirements for addressing USTs.

MTCA typically applies when environmental contamination that may pose a threat to human health and/or the environment is discovered.

Sediment Management Standards (Chapter 173-204 WAC)

Chapter 173-340 WAC implements the sediment management standards. The purpose of this chapter is to reduce and ultimately eliminate adverse effects on biological resources and significant health threats to humans from surface sediment contamination by: (a) establishing standards for the quality of surface sediments; (b) applying these standards as the basis for management and reduction of pollutant discharges; and (c) providing a management and decision process for the cleanup of contaminated sediments. The sediment quality standards of WAC 173-204-320 through WAC 173-204-340 include chemical concentration criteria, biological effects criteria, human health criteria, other toxic, radioactive, biological, or deleterious substances criteria, and nonanthropogenically affected sediment quality criteria which are used to identify sediments that have no adverse effects on biological resources, and correspond to no significant health risk to humans. Designation determinations using the sediment quality standards of WAC 173-204-320 through WAC 173-204-340 shall be conducted as stipulated in WAC 173-204-310, Sediment Quality Standards Designation Procedures.

Dangerous Waste Regulations (Chapter 173-303 WAC)

Chapter 173-303 WAC implements RCRA and the Hazardous Waste Management Act, RCW 70.105 describing requirements and procedures for designating, storing, generating, transporting, treating and disposing of dangerous wastes in Washington State. Any handling, treatment or transport of hazardous waste associated with the project would be required to be in compliance with RCRA and also with Washington's Dangerous Waste Regulations and Hazardous Waste Management Act. Contaminated materials generated during construction, including soil, water, and debris, would need to be properly designated before disposal (WAC 173-303-070 through WAC 173-303-110). The requirements for generators of dangerous waste are included in WAC 173-303-170 through WAC 173-303-230. A transporter of dangerous waste must comply with the procedures listed in WAC 173-303-240 through WAC 173-303-270.

WAC 173-303-145 lists the reporting requirements for spills and discharges into the environment, except when otherwise permitted under state or federal law. This section of the WAC applies "when any dangerous waste or hazardous substance is intentionally or accidentally spilled or discharged into the environment such that human health or the environment is threatened, regardless of the quantity of dangerous waste or hazardous substance." This portion of the regulation also details the required procedures for notification and mitigation should a spill occur on site.

Solid (Non-Dangerous) Waste Disposal (RCW 70.95, Chapter 173-304 WAC)

The State Solid Waste Management Act, RCW 70.95, states that primary responsibility for managing solid waste is assigned to local government. The state, however, is responsible for assuring the establishment of effective local programs throughout the state.

The local jurisdiction's Health Department regulates the handling and disposal of solid waste. The local Health Department evaluates whether a waste material is acceptable at one or more of the public and private solid waste facilities in the county. In some cases, testing may be required prior to disposal. Waste that is being shipped to a disposal facility out of the county, and soil treatment facilities, falls under the jurisdiction of the local Health Department.

WAC 173-304 lists the Minimum Functional Standards for Solid Waste Handling. WAC 173-304-200 designates the on-site containerized storage, collection and transportation standards for solid waste. The regulations apply to all persons storing containerized solid waste that is generated on site.

Oil Spill Contingency Act (Chapter 173-182 WAC)

Chapter 173-182 WAC implements the requirements of the Oil Spill Contingency Act (Chapter 173-182 WAC). The purpose of this chapter is to establish covered vessel and facility oil spill contingency plan requirements (Part II), drill and equipment verification requirements (Part III), primary response contractor standards (Part IV) and recordkeeping and compliance information (Part V). The requirements provide in Part II of Chapter 173-182 WAC are typically used for contractors to develop spill prevention plans to be implemented during construction activities.

Water Pollution Control Act (RCW 90.48)

RCW 90.48 implements two administrative regulations that control pollution in state waters. Water Quality Standards for Surface Waters of the State of Washington, Chapter 173-201A WAC, establishes standards for toxic substances, conventional parameters (i.e., pH, dissolved oxygen, temperature), and aesthetic values for marine and fresh surface waters. Water Quality Standards for Groundwater of the State of Washington contain similar regulations for groundwater, with special emphasis on radionuclides and carcinogens, due to potability issues. Any construction or operational activities associated with the project must comply with Washington's water quality standards. Wastewater Discharges to Surface Waters, Chapter 173-220 WAC regulates discharges to surface water from construction projects. Under this program, it is unlawful to discharge polluting matter to surface waters without an NPDES permit. Wastewater Discharges to the Ground, Chapter 173-216 WAC, regulates discharge of stormwater to detention basins if this water contains unacceptable concentrations of polluting matter.

Water Quality Standards for Surface Waters (Chapter 173-201A WAC)

WAC 173-201A-040 is the section of the Water Quality Standards that specifically deals with toxic substances within surface waters of the state. The WAC indicates that toxic substances, above natural background levels, shall not be introduced into waters of the state if: (1) The substance will singularly or cumulatively adversely affect characteristic water uses, (2) cause acute or chronic toxicity to the most sensitive biota dependent on the water, or (3) adversely affect public health. Ecology shall employ or require chemical toxicity testing and biological assessments as appropriate to evaluate compliance with the above-mentioned requirements. WAC 173-201A-160 lists the primary means for controlling municipal, commercial and industrial waste discharges through the issuance of waste disposal permits.

Wastewater Discharges to Ground (Chapter 173-216 WAC)

The State Water Discharge Permit program includes a variety of exemptions, most of which relate to discharges that are permitted under an NPDES permit or are otherwise authorized by a POTW with an authorized pretreatment program.

Underground Utilities (RCW 19.122)

There are multiple operating utilities that exist within the project footprint. RCW 19.122 states that an excavator shall provide notice of the scheduled commencement of excavation to all owners of underground facilities through a one-number locator service. The RCW also states that all owners of underground facilities within a one-number locator service shall subscribe to the service. Notice needs to be communicated to the locator service no less than 2 days and no more than 10 days prior to the commencement of excavation activities. If the excavator discovers utilities that were not identified or damages a utility, the excavator will stop work and notify the locator service and the owner of the utility service if possible. If the damage causes an emergency situation, the excavator shall also alert the appropriate public health agencies and take all steps necessary to ensure public safety. A failure to notify the locator service of damage to a hazardous liquid or gas pipeline is subject to a civil penalty of not more than ten thousand dollars for each violation. Any excavator who willfully or maliciously damages a field-marked underground facility shall be liable for triple the costs incurred in repairing or relocating the facility.

Underground Storage Tank Statute and Regulations (RCW 90-76, Chapter 173-360 WAC)

The purpose of RCW 90.76 and the Chapter 173-360 WAC regulations is to address the threat posed to human health and the environment by leaking underground storage tank (LUST) systems containing petroleum and other regulated substances. The regulations describe the enforcement, notification and reporting requirements. The regulations also detail the performance standards and operating and closure requirements.

Washington Industrial Safety and Health Act (WISHA)

Occupational Health Standards Chapter 296-62 WAC implements RCW 49.17. RCW 49.17 also implements Safety Standards for Construction Work, Chapter 296-155 WAC, which contains the Safety Standards for Asbestos and Encapsulation Chapter 296-65 WAC. These safety requirements apply to construction activities, and the regulations are enforced by the Washington State Department of Labor and Industries (L&I).

The standards include rules covering operations at known hazardous waste sites and initial investigations conducted at sites before the presence or absence of hazardous substances has been determined. Rules are also included on site assessment and control, training, protective equipment and emergency response. Chapter 296-155 WAC requires employers to inform their workers of the potentially hazardous conditions of the workplace. Contractors are required to train their workers to recognize hazardous conditions in the workplace and train them how to respond to and report such conditions.

The safety requirements also provide specific procedures for work with ACM and lead-based paint (LBP). L&I regulates asbestos and LBP removal and encapsulation (WAC 296-62 Part I-1 and 296-155). Contractors must be certified in asbestos and LBP removal and supervisors and laborers must be trained. For asbestos, L&I and the PSCAA must be notified of asbestos abatement or removal. ACM and LBP must be disposed of in a specially permitted landfill. This includes disposable clothing, respirator filters, and equipment, as well as the ACM and LBP itself.

Hazardous Waste Operations and Treatment, Storage, and Disposal Facilities (Chapter 296-62 WAC Part P, RCW 49.17)
Chapter 296-62 WAC Part P includes all of the required procedures for work involving hazardous materials.

Chapter 296-62 WAC Part P also details the requirements for handling drums and containers. Unlabeled drums and containers must be considered to contain hazardous waste and handled accordingly until the contents are positively identified and labeled. Drums and containers that cannot be moved without rupture, leakage or spillage must be emptied into a sound container. Personal protective equipment (PPE) selection protocol is outlined in WAC 296-62-30605. The training requirements for site personnel are included within multiple sections of Part P depending upon the designation of contamination.

Safety Standards for Construction Work - Lead (Chapter 296-155 WAC)
Chapter 296-1556 WAC indicates that workers may not be exposed to lead at concentrations greater than 50 micrograms per cubic meter ($\mu g/m^3$) of air averaged over an 8-hour period. Chapter 296-166 WAC also outlines the PPE that shall be given to employees as well as medical surveillance procedures that are to be implemented for exposed personnel.

General Occupational Health Standards – Asbestos (Chapter 296-62 WAC Part I-1)
Chapter 296-62 WAC requires that prior to commencement of work an owner must conduct a good faith inspection to determine whether materials to be worked on or removed contain asbestos. An accredited inspector must conduct the good faith inspection. Chapter 296-62 WAC Part I-1 requires that an employer ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter (f/cc) of air as an 8-hour time-weighted average. Besides the permissible exposure limit, the regulation also requires appropriate respiratory protection as well as exposure assessment and monitoring.

APPENDIX B
Database Search Report

5301 Capitol Blvd SE
5301 Capitol Blvd SE
Olympia, WA 98501

Inquiry Number: 4883441.2s
March 20, 2017

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

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

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 (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5301 CAPITOL BLVD SE
OLYMPIA, WA 98501

COORDINATES

Latitude (North):	46.9990490 - 46° 59' 56.57''
Longitude (West):	122.9107140 - 122° 54' 38.57''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	506788.3
UTM Y (Meters):	5204844.0
Elevation:	174 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

Target Property:	N
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150817, 20150730
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
5301 CAPITOL BLVD SE
OLYMPIA, WA 98501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	7 ELEVEN #230314479M	5310 CAPITOL BLVD. S	ICR	Lower	1 ft.
A2	7 ELEVEN #230314479M	5310 CAPITOL BLVD. S	ICR	Lower	1 ft.
A3	DREW'S MOBILE STATIO	TROSPER ROAD & CAPIT	ICR	Lower	1 ft.
A4		5403 CAPITOL BLVD S	EDR Hist Auto	Higher	1 ft.
A5		5403 CAPITOL BLVD S	EDR Hist Auto	Higher	1 ft.
A6	7-ELEVEN 2303-14479-	5310 CAPITOL BLVD S	UST	Lower	1 ft.
B7	CAPITOL SHELL	5200 CAPITAL BLVD	Financial Assurance	Lower	1 ft.
B8	TUMWATER SHELL	5200 CAPITOL BLVD	VCP, ALLSITES, CSCSL NFA, RCRA NonGen / NLR,...	Lower	1 ft.
B9	TUMWATER SHELL	5200 CAPITOL BLVD	UST	Lower	1 ft.
C10	JACK N THE BOX DREWS	110 TROSPER RD	UST, ALLSITES, CSCSL NFA	Higher	1 ft.
C11	JACK N THE BOX DREWS	110 TROSPER RD	FINDS	Higher	1 ft.
B12		5200 CAPITOL BLVD S	EDR Hist Auto	Lower	1 ft.
A13	7 ELEVEN FOOD STORE	5310 CAPITOL BLVD SE	VCP, ALLSITES, CSCSL NFA	Higher	1 ft.
D14	MOTEL 6 DRUG LAB	400 W LEE ST RM 236	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
D15			UIC	Higher	1 ft.
A16	7 ELEVEN FOOD STORE	5310 CAPITOL BLVD SE	FINDS	Higher	1 ft.
17		5403 CAPITOL BLVD	UST, ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	56, 0.011, ESE
B18		5141 CAPITOL BLVD S	EDR Hist Cleaner	Lower	164, 0.031, NNE
B19		5141 CAPITOL BLVD S	EDR Hist Cleaner	Lower	164, 0.031, NNE
B20	SOUTHGATE DRY CLEANE	5141 CAPITAL BLVD	ALLSITES, RCRA NonGen / NLR, FINDS, Inactive...	Lower	164, 0.031, NNE
E21		5115 CAPITOL BLVD S	EDR Hist Auto	Lower	253, 0.048, NNE
F22		501 TROSPER RD SW	EDR Hist Auto	Higher	264, 0.050, WNW
E23		5109F CAPITOL BLVD	ALLSITES, RCRA NonGen / NLR	Lower	295, 0.056, NNE
G24		5605 CAPITOL BLVD S	EDR Hist Auto	Higher	304, 0.058, SE
G25	TIRES INC	5605 CAPITOL BLVD	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	304, 0.058, SE
F26	BP #03158	501 TROSPER ROAD	ICR	Higher	318, 0.060, WNW
F27		501 TROSPER RD SW	RCRA NonGen / NLR, FINDS, MANIFEST	Higher	318, 0.060, WNW
F28	BP SERVICE STATION 0	501 TROSPER RD SW	VCP, ALLSITES, CSCSL NFA, Financial Assurance	Higher	318, 0.060, WNW
F29	FRED MEYER 659 FM FU	501 TROSPER RD SW	UST	Higher	318, 0.060, WNW
E30		5101 CAPITOL BLVD S	EDR Hist Auto	Lower	331, 0.063, NNE
H31		115 GERTH ST SW	EDR Hist Auto	Higher	455, 0.086, SE
H32		5701 CAPITOL BLVD S	EDR Hist Auto	Higher	482, 0.091, SE
H33	K & M CORP OF TUMWAT	5701 S CAPITOL BLVD	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	537, 0.102, SE
H34		5701 CAPITOL BLVD S	EDR Hist Auto	Higher	537, 0.102, SE
I35	FRED MEYER 659	555 TROSPER RD SW	ALLSITES, MANIFEST	Higher	537, 0.102, WSW
I36		555 TROSPER RD SW	RCRA NonGen / NLR	Higher	537, 0.102, WSW
37	MERCHANTS MOVING & S	5880 LINDERSON WAY	UST, ALLSITES, CSCSL NFA	Higher	600, 0.114, SW
J38	JIFFY LUBE STORE 275	5101 CAPITOL BLVD S	ALLSITES, CSCSL NFA	Lower	636, 0.120, North
J39	JIFFY LUBE STORE 275	5101 CAPITOL BLVD S	UST, FINDS	Lower	636, 0.120, North

MAPPED SITES SUMMARY

Target Property Address:
5301 CAPITOL BLVD SE
OLYMPIA, WA 98501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40		5101 CAPITOL BLVD S	EDR Hist Auto	Lower	636, 0.120, North
J41	GULL #256	5101 CAPITOL BOULEVA	ICR	Lower	636, 0.120, North
K42	CHEVRON 90956	670 TROSPER RD SW	UST	Higher	719, 0.136, WNW
K43	CHEVRON #9 0956	670 TROSPER ROAD	ICR	Higher	719, 0.136, WNW
K44		670 TROSPER RD	RCRA-CESQG, VCP, ALLSITES, CSCSL NFA, SPILLS,...	Higher	719, 0.136, WNW
J45	PALERMO VALLEY LIFT	M ST	UST, ALLSITES	Lower	821, 0.155, North
46		1655 S 2ND AVE	RCRA-CESQG, ALLSITES, MANIFEST	Higher	825, 0.156, NW
L47		5720 CAPITOL BLVD	RCRA-SQG, ALLSITES, FINDS, MANIFEST, ECHO	Higher	838, 0.159, SE
L48	OLYMPIC REGION HEADQ	5720 CAPITOL BOULEVA	UST	Higher	838, 0.159, SE
L49	ELM STREET PLAT	6400 BLOCK OF ELM ST	ALLSITES, NPDES	Higher	865, 0.164, SE
50	PALERMO WELL FIELD G	PALERMO AVENUE & O S	NPL, SEMS, US ENG CONTROLS, US INST CONTROL, HSL,...	Lower	891, 0.169, NE
51	ATT TUMWATER	6000 LINDERSON WAY S	ALLSITES	Higher	975, 0.185, SSW
52	WA DOT MATERIALS TES	5313 LITTLEROCK RD S	CSCSL, ALLSITES	Higher	1021, 0.193, West
53		6015 CAPITOL BLVD	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	1077, 0.204, SSE
54	WALGREENS 12453	702 TROSPER RD SW	ALLSITES	Lower	1086, 0.206, WNW
55	COSTCO WHOLESALE 64	5500 LITTLE ROCK RD	RCRA-LQG, UST, ALLSITES, ICIS, FINDS, MANIFEST,...	Higher	1168, 0.221, WSW
M56		705 TROSPER RD SW	RCRA-CESQG	Higher	1271, 0.241, WNW
N57	UNITED RENTALS NORTH	6070 LINDERSON WAY	UST, ALLSITES	Higher	1275, 0.241, SSW
M58	ALBERTSONS #407	705 TROSPER RD SW	ALLSITES, MANIFEST	Higher	1294, 0.245, WNW
N59	BLACK HILLS DISTRIBU	6080 LINDERSON WAY	UST, ALLSITES	Higher	1300, 0.246, SSW
M60	LITTLEROCK SHELL	701 SW TROSPER RD	UST, ALLSITES, FINDS, Financial Assurance	Higher	1334, 0.253, West
O61	AUTOZONE 1154	849 TROSPER RD SW	ALLSITES, MANIFEST	Higher	1485, 0.281, West
P62	NORTHWEST DELI MART	6131 CAPITOL BLVD.	ICR	Higher	1529, 0.290, SSE
P63	TUMWATER DELI MART	6131 CAPITOL BLVD	UST, ALLSITES, CSCSL NFA, Financial Assurance	Higher	1529, 0.290, SSE
O64	THE RESERVE AT TUMWA	TROSPER RD SW & LAKE	ALLSITES, NPDES	Higher	1548, 0.293, West
65	VALLEY ATHLETIC CLUB	4833 TUMWATER VALLEY	ALLSITES, FINDS	Lower	1610, 0.305, NE
P66	SOUNDBUILT HOMES COO	36TH AVE W OF BISCAY	ALLSITES, FINDS	Higher	1652, 0.313, SSE
O67	NORTHWEST AQUATIC EC	855 TROSPER RD SW	ALLSITES	Higher	1658, 0.314, West
68	ALBANY INTERNATIONAL	5700 LITTLEROCK RD	ALLSITES, AIRS	Higher	1664, 0.315, WSW
P69	TUMWATER RENTALS	6135 CAPITOL BLVD	UST, ALLSITES	Higher	1742, 0.330, SSE
70	PIONEER WESTERN INVE	1500 LAKE PARK DR SW	ALLSITES, FINDS	Lower	1749, 0.331, NW
Q71	WONDER BREAD OUTLET	6301 CAPITOL BLVD S	VCP, ALLSITES, CSCSL NFA	Higher	1869, 0.354, SSE
Q72	CONTINENTAL BAKING C	6301 CAPITOL BLVD.	ICR	Higher	1869, 0.354, SSE
73	TUMWATER - LA QUINTA	4600 CAPITOL BLVD SE	ALLSITES, NPDES	Lower	1872, 0.355, NNE
R74	ROW ALONG 5800 LITTL	5800 LITTLEROCK RD S	ALLSITES, CSCSL NFA	Higher	1898, 0.359, WSW
75	TUMWATER RECLAIMED W	TUMWATER FALLS VALLE	ALLSITES	Lower	2021, 0.383, NE
R76	SYGITOWICZ AUTO SERV	5848 LITTLE ROCK RD	UST, ALLSITES	Higher	2066, 0.391, WSW
77	CAPITOL BLVD DRUM	6400 BLOCK CAPITOL B	ALLSITES, RCRA NonGen / NLR, FINDS, ECHO	Higher	2121, 0.402, South
78	WALMART STORE 3850-0	5900 LITTLEROCK RD S	SWRCY, ALLSITES, MANIFEST	Higher	2266, 0.429, WSW

MAPPED SITES SUMMARY

Target Property Address:
5301 CAPITOL BLVD SE
OLYMPIA, WA 98501

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79		419 LINWOOD AVE SW	ALLSITES, RCRA NonGen / NLR, FINDS, MANIFEST	Higher	2533, 0.480, NNW
80	HOME DEPOT 4724	1101 KINGSWOOD DR SW	ALLSITES, MANIFEST	Higher	2588, 0.490, SW
81	ARNOLDS TEXACO SERVI	728 E 4TH	HSL, CSCSL, LUST, UST, VCP, ALLSITES	Higher	3190, 0.604, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

Federal NPL site list

NPL: A review of the NPL list, as provided by EDR, and dated 12/05/2016 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

Federal CERCLIS list

SEMS: A review of the SEMS list, as provided by EDR, and dated 10/10/2016 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
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

Federal RCRA generators list

RCRA-LQG: A review of the RCRA-LQG list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE 64	***5500 LITTLE ROCK RD***	***WSW 1/8 - 1/4 (0.221 mi.)***	***55***	***22***

RCRA-SQG: A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***5720 CAPITOL BLVD***	***SE 1/8 - 1/4 (0.159 mi.)***	***L47***	***19***

RCRA-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***670 TROSPER RD***	***WNW 1/8 - 1/4 (0.136 mi.)***	***K44***	***18***
Not reported	***1655 S 2ND AVE***	***NW 1/8 - 1/4 (0.156 mi.)***	***46***	***19***
Not reported	705 TROSPER RD SW	WNW 1/8 - 1/4 (0.241 mi.)	M56	23

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A review of the US ENG CONTROLS list, as provided by EDR, and dated 11/15/2016 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

US INST CONTROL: A review of the US INST CONTROL list, as provided by EDR, and dated 11/15/2016 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

State- and tribal - equivalent NPL

HSL: A review of the HSL list, as provided by EDR, and dated 08/25/2016 has revealed that there are 2 HSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARNOLDS TEXACO SERVI	***728 E 4TH***	***N 1/2 - 1 (0.604 mi.)***	***81***	***30***
Facility Type: Hazardous Sites List FSID Number: 89216524 Facility Status: Cleanup Started				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

Facility Type: Hazardous Sites List
FSID Number: 55237647
Facility Status: Construction Complete-Performance Monitoring

State- and tribal - equivalent CERCLIS

CSCSL: A review of the CSCSL list, as provided by EDR, and dated 01/18/2017 has revealed that there are 3 CSCSL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WA DOT MATERIALS TES Site Status: Awaiting Cleanup Facility ID: 5076 Clean Up Siteid: 11398	***5313 LITTLEROCK RD S***	***W 1/8 - 1/4 (0.193 mi.)***	***52***	***21***
ARNOLDS TEXACO SERVI Site Status: Cleanup Started Facility ID: 89216524 Clean Up Siteid: 6823	***728 E 4TH***	***N 1/2 - 1 (0.604 mi.)***	***81***	***30***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G Site Status: Tracked by EPA Facility ID: 55237647 Clean Up Siteid: 4616	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

State and tribal registered storage tank lists

UST: A review of the UST list, as provided by EDR, and dated 08/29/2016 has revealed that there are 13 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK N THE BOX DREWS Site Id: 10982 Facility ID: 82682393	***110 TROSPER RD***	***0 - 1/8 (0.000 mi.)***	***C10***	***10***
Not reported Site Id: 1190 Facility ID: 59958424	***5403 CAPITOL BLVD***	***ESE 0 - 1/8 (0.011 mi.)***	***17***	***11***
FRED MEYER 659 FM FU Site Id: 9534 Facility ID: 69587682	501 TROSPER RD SW	WNW 0 - 1/8 (0.060 mi.)	F29	15
MERCHANTS MOVING & S Site Id: 1584 Facility ID: 32816786	***5880 LINDERSON WAY***	***SW 0 - 1/8 (0.114 mi.)***	***37***	***16***
CHEVRON 90956	670 TROSPER RD SW	WNW 1/8 - 1/4 (0.136 mi.)	K42	18

Site Id: 5067 Facility ID: 13797251				
OLYMPIC REGION HEADQ Site Id: 12152 Facility ID: 64163664	5720 CAPITOL BOULEVA	SE 1/8 - 1/4 (0.159 mi.)	L48	20
COSTCO WHOLESALE 64 Site Id: 547113 Facility ID: 86928438	***5500 LITTLE ROCK RD***	***WSW 1/8 - 1/4 (0.221 mi.)***	***55***	***22***
UNITED RENTALS NORTH Site Id: 101023 Facility ID: 44628763	***6070 LINDERSON WAY***	***SSW 1/8 - 1/4 (0.241 mi.)***	***N57***	***23***
BLACK HILLS DISTRIBU Site Id: 2597 Facility ID: 62874931	***6080 LINDERSON WAY***	***SSW 1/8 - 1/4 (0.246 mi.)***	***N59***	***24***

Lower Elevation	Address	Direction / Distance	Map ID	Page
7-ELEVEN 2303-14479- Site Id: 8629 Facility ID: 97196866	5310 CAPITOL BLVD S	0 - 1/8 (0.000 mi.)	A6	8
TUMWATER SHELL Site Id: 4465 Facility ID: 96884172	5200 CAPITOL BLVD	0 - 1/8 (0.000 mi.)	B9	9
JIFFY LUBE STORE 275 Site Id: 7700 Facility ID: 1432	***5101 CAPITOL BLVD S***	***N 0 - 1/8 (0.120 mi.)***	***J39***	***17***
PALERMO VALLEY LIFT Site Id: 491297 Facility ID: 70666588	***M ST***	***N 1/8 - 1/4 (0.155 mi.)***	***J45***	***19***

State and tribal voluntary cleanup sites

VCP: A review of the VCP list, as provided by EDR, and dated 10/18/2016 has revealed that there are 5 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
7 ELEVEN FOOD STORE Facility ID: 97196866 Cleanup Siteid: 6958	***5310 CAPITOL BLVD SE***	***0 - 1/8 (0.000 mi.)***	***A13***	***10***
BP SERVICE STATION 0 Facility ID: 69587682 Cleanup Siteid: 7115	***501 TROSPER RD SW***	***WNW 0 - 1/8 (0.060 mi.)***	***F28***	***14***
Not reported Facility ID: 13797251 Cleanup Siteid: 5558	***670 TROSPER RD***	***WNW 1/8 - 1/4 (0.136 mi.)***	***K44***	***18***
WONDER BREAD OUTLET Facility ID: 83136883	***6301 CAPITOL BLVD S***	***SSE 1/4 - 1/2 (0.354 mi.)***	***Q71***	***27***

Cleanup Siteid: 6724

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***
Facility ID: 96884172				
Cleanup Siteid: 6951				

ICR: A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 8 ICR sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BP #03158	501 TROSPER ROAD	WNW 0 - 1/8 (0.060 mi.)	F26	14
CHEVRON #9 0956	670 TROSPER ROAD	WNW 1/8 - 1/4 (0.136 mi.)	K43	18
NORTHWEST DELI MART	6131 CAPITOL BLVD.	SSE 1/4 - 1/2 (0.290 mi.)	P62	25
CONTINENTAL BAKING C	6301 CAPITOL BLVD.	SSE 1/4 - 1/2 (0.354 mi.)	Q72	27

Lower Elevation	Address	Direction / Distance	Map ID	Page
7 ELEVEN #230314479M	5310 CAPITOL BLVD. S	0 - 1/8 (0.000 mi.)	A1	8
7 ELEVEN #230314479M	5310 CAPITOL BLVD. S	0 - 1/8 (0.000 mi.)	A2	8
DREW'S MOBILE STATIO	TROSPER ROAD & CAPIT	0 - 1/8 (0.000 mi.)	A3	8
GULL #256	5101 CAPITOL BOULEVA	N 0 - 1/8 (0.120 mi.)	J41	17

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A review of the SWRCY list, as provided by EDR, and dated 10/25/2016 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALMART STORE 3850-0	***5900 LITTLEROCK RD S***	***WSW 1/4 - 1/2 (0.429 mi.)***	***78***	***29***

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: A review of the ALLSITES list, as provided by EDR, and dated 02/02/2017 has revealed that there are 46 ALLSITES sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK N THE BOX DREWS	***110 TROSPER RD***	***0 - 1/8 (0.000 mi.)***	***C10***	***10***
Facility Id: 82682393				
7 ELEVEN FOOD STORE	***5310 CAPITOL BLVD SE***	***0 - 1/8 (0.000 mi.)***	***A13***	***10***

Facility Id: 97196866				
MOTEL 6 DRUG LAB Facility Id: 7921141	***400 W LEE ST RM 236***	***0 - 1/8 (0.000 mi.)***	***D14***	***11***
Not reported Facility Id: 59958424	***5403 CAPITOL BLVD***	***ESE 0 - 1/8 (0.011 mi.)***	***17***	***11***
TIRES INC Facility Id: 82485489	***5605 CAPITOL BLVD***	***SE 0 - 1/8 (0.058 mi.)***	***G25***	***13***
BP SERVICE STATION 0 Facility Id: 22424 Facility Id: 69587682	***501 TROSPER RD SW***	***WNW 0 - 1/8 (0.060 mi.)***	***F28***	***14***
K & M CORP OF TUMWAT Facility Id: 9439543	***5701 S CAPITOL BLVD***	***SE 0 - 1/8 (0.102 mi.)***	***H33***	***15***
FRED MEYER 659 Facility Id: 9451960	***555 TROSPER RD SW***	***WSW 0 - 1/8 (0.102 mi.)***	***I35***	***16***
MERCHANTS MOVING & S Facility Id: 6115502 Facility Id: 32816786	***5880 LINDERSON WAY***	***SW 0 - 1/8 (0.114 mi.)***	***37***	***16***
Not reported Facility Id: 13797251	***670 TROSPER RD***	***WNW 1/8 - 1/4 (0.136 mi.)***	***K44***	***18***
Not reported Facility Id: 3175458	***1655 S 2ND AVE***	***NW 1/8 - 1/4 (0.156 mi.)***	***46***	***19***
Not reported Facility Id: 64163664	***5720 CAPITOL BLVD***	***SE 1/8 - 1/4 (0.159 mi.)***	***L47***	***19***
ELM STREET PLAT Facility Id: 2000	***6400 BLOCK OF ELM ST***	***SE 1/8 - 1/4 (0.164 mi.)***	***L49***	***20***
ATT TUMWATER Facility Id: 16921	6000 LINDERSON WAY S	SSW 1/8 - 1/4 (0.185 mi.)	51	21
WA DOT MATERIALS TES Facility Id: 5076	***5313 LITTLEROCK RD S***	***W 1/8 - 1/4 (0.193 mi.)***	***52***	***21***
Not reported Facility Id: 39992337	***6015 CAPITOL BLVD***	***SSE 1/8 - 1/4 (0.204 mi.)***	***53***	***22***
COSTCO WHOLESALE 64 Facility Id: 86928438	***5500 LITTLE ROCK RD***	***WSW 1/8 - 1/4 (0.221 mi.)***	***55***	***22***
UNITED RENTALS NORTH Facility Id: 44628763	***6070 LINDERSON WAY***	***SSW 1/8 - 1/4 (0.241 mi.)***	***N57***	***23***
ALBERTSONS #407 Facility Id: 17549	***705 TROSPER RD SW***	***WNW 1/8 - 1/4 (0.245 mi.)***	***M58***	***23***
BLACK HILLS DISTRIBU Facility Id: 62874931	***6080 LINDERSON WAY***	***SSW 1/8 - 1/4 (0.246 mi.)***	***N59***	***24***
LITTLEROCK SHELL Facility Id: 16486178	***701 SW TROSPER RD***	***W 1/4 - 1/2 (0.253 mi.)***	***M60***	***24***
AUTOZONE 1154 Facility Id: 952	***849 TROSPER RD SW***	***W 1/4 - 1/2 (0.281 mi.)***	***O61***	***24***
TUMWATER DELI MART Facility Id: 14254774	***6131 CAPITOL BLVD***	***SSE 1/4 - 1/2 (0.290 mi.)***	***P63***	***25***
THE RESERVE AT TUMWA Facility Id: 5396	***TROSPER RD SW & LAKE***	***W 1/4 - 1/2 (0.293 mi.)***	***O64***	***25***
SOUNDBUILT HOMES COO	***36TH AVE W OF BISCAY***	***SSE 1/4 - 1/2 (0.313 mi.)***	***P66***	***26***

Facility Id: 4247388				
NORTHWEST AQUATIC EC Facility Id: 11947	855 TROSPER RD SW	W 1/4 - 1/2 (0.314 mi.)	O67	26
ALBANY INTERNATIONAL Facility Id: 78314338	***5700 LITTLEROCK RD***	***WSW 1/4 - 1/2 (0.315 mi.)***	***68***	***26***
TUMWATER RENTALS Facility Id: 6753626	***6135 CAPITOL BLVD***	***SSE 1/4 - 1/2 (0.330 mi.)***	***P69***	***26***
WONDER BREAD OUTLET Facility Id: 83136883	***6301 CAPITOL BLVD S***	***SSE 1/4 - 1/2 (0.354 mi.)***	***Q71***	***27***
ROW ALONG 5800 LITTL Facility Id: 22028	***5800 LITTLEROCK RD S***	***WSW 1/4 - 1/2 (0.359 mi.)***	***R74***	***28***
SYGITOWICZ AUTO SERV Facility Id: 84792512	***5848 LITTLE ROCK RD***	***WSW 1/4 - 1/2 (0.391 mi.)***	***R76***	***28***
CAPITOL BLVD DRUM Facility Id: 97753981	***6400 BLOCK CAPITOL B***	***S 1/4 - 1/2 (0.402 mi.)***	***77***	***28***
WALMART STORE 3850-0 Facility Id: 21980	***5900 LITTLEROCK RD S***	***WSW 1/4 - 1/2 (0.429 mi.)***	***78***	***29***
Not reported Facility Id: 63753743	***419 LINWOOD AVE SW***	***NNW 1/4 - 1/2 (0.480 mi.)***	***79***	***29***
HOME DEPOT 4724 Facility Id: 9114488	***1101 KINGSWOOD DR SW***	***SW 1/4 - 1/2 (0.490 mi.)***	***80***	***29***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL Facility Id: 96884172	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***
SOUTHGATE DRY CLEANE Facility Id: 69846824	***5141 CAPITAL BLVD***	***NNE 0 - 1/8 (0.031 mi.)***	***B20***	***12***
Not reported Facility Id: 63654332	***5109F CAPITOL BLVD***	***NNE 0 - 1/8 (0.056 mi.)***	***E23***	***13***
JIFFY LUBE STORE 275 Facility Id: 1432	***5101 CAPITOL BLVD S***	***N 0 - 1/8 (0.120 mi.)***	***J38***	***17***
PALERMO VALLEY LIFT Facility Id: 70666588	***M ST***	***N 1/8 - 1/4 (0.155 mi.)***	***J45***	***19***
PALERMO WELL FIELD G Facility Id: 55237647	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***
WALGREENS 12453 Facility Id: 20461	702 TROSPER RD SW	WNW 1/8 - 1/4 (0.206 mi.)	54	22
VALLEY ATHLETIC CLUB Facility Id: 22493425	***4833 TUMWATER VALLEY***	***NE 1/4 - 1/2 (0.305 mi.)***	***65***	***25***
PIONEER WESTERN INVE Facility Id: 5108667	***1500 LAKE PARK DR SW***	***NW 1/4 - 1/2 (0.331 mi.)***	***70***	***27***
TUMWATER - LA QUINTA Facility Id: 6615	***4600 CAPITOL BLVD SE***	***NNE 1/4 - 1/2 (0.355 mi.)***	***73***	***27***
TUMWATER RECLAIMED W Facility Id: 7657	TUMWATER FALLS VALLE	NE 1/4 - 1/2 (0.383 mi.)	75	28

EXECUTIVE SUMMARY

CSCSL NFA: A review of the CSCSL NFA list, as provided by EDR, and dated 01/18/2017 has revealed that there are 10 CSCSL NFA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK N THE BOX DREWS Facility/Site Id: 82682393 CS Id: 10656	***110 TROSPER RD***	***0 - 1/8 (0.000 mi.)***	***C10***	***10***
7 ELEVEN FOOD STORE Facility/Site Id: 97196866 CS Id: 6958	***5310 CAPITOL BLVD SE***	***0 - 1/8 (0.000 mi.)***	***A13***	***10***
BP SERVICE STATION 0 Facility/Site Id: 69587682 CS Id: 7115	***501 TROSPER RD SW***	***WNW 0 - 1/8 (0.060 mi.)***	***F28***	***14***
MERCHANTS MOVING & S Facility/Site Id: 32816786 CS Id: 8726	***5880 LINDERSON WAY***	***SW 0 - 1/8 (0.114 mi.)***	***37***	***16***
Not reported Facility/Site Id: 13797251 CS Id: 5558	***670 TROSPER RD***	***WNW 1/8 - 1/4 (0.136 mi.)***	***K44***	***18***
TUMWATER DELI MART Facility/Site Id: 14254774 CS Id: 8027	***6131 CAPITOL BLVD***	***SSE 1/4 - 1/2 (0.290 mi.)***	***P63***	***25***
WONDER BREAD OUTLET Facility/Site Id: 83136883 CS Id: 6724	***6301 CAPITOL BLVD S***	***SSE 1/4 - 1/2 (0.354 mi.)***	***Q71***	***27***
ROW ALONG 5800 LITTL Facility/Site Id: 22028 CS Id: 11526	***5800 LITTLEROCK RD S***	***WSW 1/4 - 1/2 (0.359 mi.)***	***R74***	***28***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL Facility/Site Id: 96884172 CS Id: 6951	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***
JIFFY LUBE STORE 275 Facility/Site Id: 1432 CS Id: 5041	***5101 CAPITOL BLVD S***	***N 0 - 1/8 (0.120 mi.)***	***J38***	***17***

Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/12/2016 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTEL 6 DRUG LAB	***400 W LEE ST RM 236***	***0 - 1/8 (0.000 mi.)***	***D14***	***11***
Not reported	***5403 CAPITOL BLVD***	***ESE 0 - 1/8 (0.011 mi.)***	***17***	***11***
TIRES INC	***5605 CAPITOL BLVD***	***SE 0 - 1/8 (0.058 mi.)***	***G25***	***13***
Not reported	***501 TROSPER RD SW***	***WNW 0 - 1/8 (0.060 mi.)***	***F27***	***14***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
K & M CORP OF TUMWAT	***5701 S CAPITOL BLVD***	***SE 0 - 1/8 (0.102 mi.)***	***H33***	***15***
Not reported	555 TROSPER RD SW	WSW 0 - 1/8 (0.102 mi.)	I36	16
Not reported	***6015 CAPITOL BLVD***	***SSE 1/8 - 1/4 (0.204 mi.)***	***53***	***22***

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***
SOUTHGATE DRY CLEANE	***5141 CAPITAL BLVD***	***NNE 0 - 1/8 (0.031 mi.)***	***B20***	***12***
Not reported	***5109F CAPITOL BLVD***	***NNE 0 - 1/8 (0.056 mi.)***	***E23***	***13***

ROD: A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PALERMO WELL FIELD G	***PALERMO AVENUE & O S***	***NE 1/8 - 1/4 (0.169 mi.)***	***50***	***20***

FINDS: A review of the FINDS list, as provided by EDR, and dated 07/15/2016 has revealed that there are 4 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JACK N THE BOX DREWS	110 TROSPER RD	0 - 1/8 (0.000 mi.)	C11	10
MOTEL 6 DRUG LAB	***400 W LEE ST RM 236***	***0 - 1/8 (0.000 mi.)***	***D14***	***11***
7 ELEVEN FOOD STORE	5310 CAPITOL BLVD SE	0 - 1/8 (0.000 mi.)	A16	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAPITOL SHELL	5200 CAPITAL BLVD	0 - 1/8 (0.000 mi.)	B7	9
Database: Financial Assurance 1, Date of Government Version: 02/24/2012				
DOE Site ID: 4465				

Inactive Drycleaners: A review of the Inactive Drycleaners list, as provided by EDR, and dated 12/31/2015 has revealed that there is 1 Inactive Drycleaners site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHGATE DRY CLEANE	***5141 CAPITAL BLVD***	***NNE 0 - 1/8 (0.031 mi.)***	***B20***	***12***

EXECUTIVE SUMMARY

EPA I: WAD037415809
Facility ID: WAD037415809

MANIFEST: A review of the MANIFEST list, as provided by EDR, and dated 12/31/2015 has revealed that there are 8 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	***501 TROSPER RD SW***	***WNW 0 - 1/8 (0.060 mi.)***	***F27***	***14***
Facility Site ID Number: 69587682				
Gen Status CD: XQG				
EPA ID: WAD988488839				
FRED MEYER 659	***555 TROSPER RD SW***	***WSW 0 - 1/8 (0.102 mi.)***	***I35***	***16***
Facility Site ID Number: 9451960				
Gen Status CD: MQG				
EPA ID: WAH000032291				
Not reported	***670 TROSPER RD***	***WNW 1/8 - 1/4 (0.136 mi.)***	***K44***	***18***
Facility Site ID Number: 13797251				
Gen Status CD: XQG				
Gen Status CD: MQG				
Gen Status CD: SQG				
EPA ID: WAD988489753				
Not reported	***1655 S 2ND AVE***	***NW 1/8 - 1/4 (0.156 mi.)***	***46***	***19***
Facility Site ID Number: 3175458				
Gen Status CD: MQG				
Gen Status CD: LQG				
EPA ID: WAD980639686				
Not reported	***5720 CAPITOL BLVD***	***SE 1/8 - 1/4 (0.159 mi.)***	***L47***	***19***
Facility Site ID Number: 64163664				
Gen Status CD: MQG				
Gen Status CD: SQG				
EPA ID: WAD980981583				
COSTCO WHOLESALE 64	***5500 LITTLE ROCK RD***	***WSW 1/8 - 1/4 (0.221 mi.)***	***55***	***22***
Facility Site ID Number: 86928438				
Gen Status CD: XQG				
Gen Status CD: SQG				
Gen Status CD: LQG				
EPA ID: WAR000003889				
ALBERTSONS #407	***705 TROSPER RD SW***	***WNW 1/8 - 1/4 (0.245 mi.)***	***M58***	***23***
Facility Site ID Number: 17549				
Gen Status CD: SQG				
EPA ID: WAH000038931				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TUMWATER SHELL	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***
Facility Site ID Number: 96884172				
Gen Status CD: XQG				
EPA ID: WAD988502720				

EXECUTIVE SUMMARY

UIC: A review of the UIC list, as provided by EDR, and dated 10/18/2016 has revealed that there is 1 UIC site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Well Status: Active		0 - 1/8 (0.000 mi.)	D15	11

ECHO: A review of the ECHO list, as provided by EDR, and dated 12/11/2016 has revealed that there are 2 ECHO sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTEL 6 DRUG LAB	***400 W LEE ST RM 236***	***0 - 1/8 (0.000 mi.)***	***D14***	***11***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
TUMWATER SHELL	***5200 CAPITOL BLVD***	***0 - 1/8 (0.000 mi.)***	***B8***	***9***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 11 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	5403 CAPITOL BLVD S	0 - 1/8 (0.000 mi.)	A4	8
Not reported	5403 CAPITOL BLVD S	0 - 1/8 (0.000 mi.)	A5	8
Not reported	501 TROSPER RD SW	WNW 0 - 1/8 (0.050 mi.)	F22	13
Not reported	5605 CAPITOL BLVD S	SE 0 - 1/8 (0.058 mi.)	G24	13
Not reported	115 GERTH ST SW	SE 0 - 1/8 (0.086 mi.)	H31	15
Not reported	5701 CAPITOL BLVD S	SE 0 - 1/8 (0.091 mi.)	H32	15
Not reported	5701 CAPITOL BLVD S	SE 0 - 1/8 (0.102 mi.)	H34	16
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
Not reported	5200 CAPITOL BLVD S	0 - 1/8 (0.000 mi.)	B12	10
Not reported	5115 CAPITOL BLVD S	NNE 0 - 1/8 (0.048 mi.)	E21	13
Not reported	5101 CAPITOL BLVD S	NNE 0 - 1/8 (0.063 mi.)	E30	15
Not reported	5101 CAPITOL BLVD S	N 0 - 1/8 (0.120 mi.)	J40	17

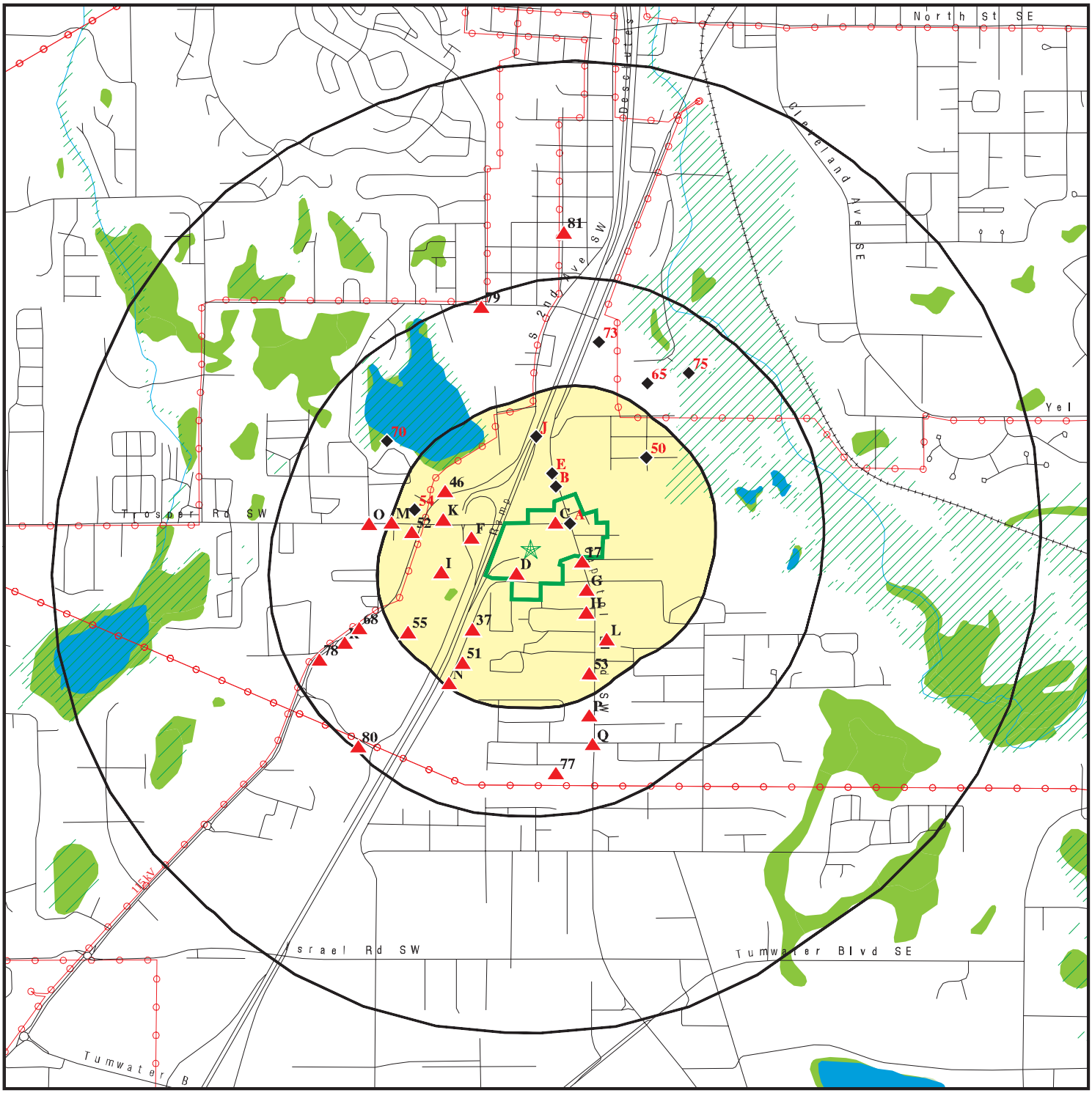
EDR Hist Cleaner: A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	5141 CAPITOL BLVD S	NNE 0 - 1/8 (0.031 mi.)	B18	12
Not reported	5141 CAPITOL BLVD S	NNE 0 - 1/8 (0.031 mi.)	B19	12

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OLYMPIA	S104223647	CITY OF OLYMPIA	4TH AVE. AN SYLVESTER ST.	98501	ICR
OLYMPIA	S104223476	220 WATER ST.	207 W. OLYMPIC AVE.	98501	ICR
OLYMPIA	S105454524	WAREHOUSE ONE SITE	N. WASHINGTON AND "B" AVE.	98501	ICR

OVERVIEW MAP - 4883441.2S

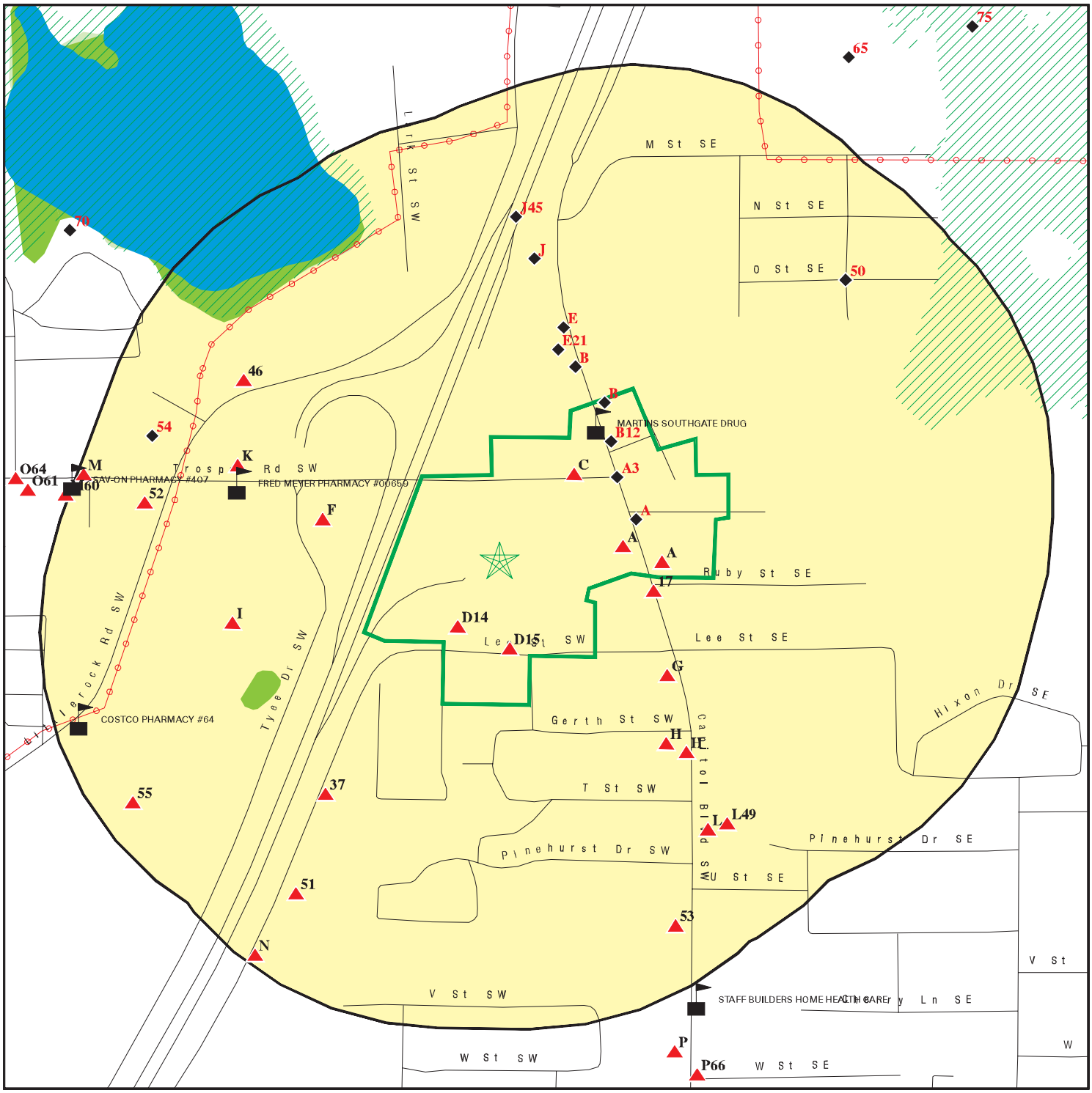


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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: 5301 Capitol Blvd SE	CLIENT: Geo Engineers, Inc.
ADDRESS: 5301 Capitol Blvd SE Olympia WA 98501	CONTACT: Lisa Huston
LAT/LONG: 46.999049 / 122.910714	INQUIRY #: 4883441.2s DATE: March 20, 2017 12:42 pm

DETAIL MAP - 4883441.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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: 5301 Capitol Blvd SE	CLIENT: Geo Engineers, Inc.
ADDRESS: 5301 Capitol Blvd SE Olympia WA 98501	CONTACT: Lisa Huston INQUIRY #: 4883441.2s
LAT/LONG: 46.999049 / 122.910714	DATE: March 20, 2017 12:46 pm

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								
Federal NPL site list								
NPL	1.000		0	1	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-CESQG	0.250		0	3	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	1	0	NR	NR	1
US INST CONTROL	0.500		0	1	0	NR	NR	1
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL	1.000		0	1	0	1	NR	2
State- and tribal - equivalent CERCLIS								
CSCSL	1.000		0	2	0	1	NR	3
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	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
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		7	6	NR	NR	NR	13
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		3	1	1	NR	NR	5
ICR	0.500		5	1	2	NR	NR	8
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields 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	1	NR	NR	1
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	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
ALLSITES	0.500		13	14	19	NR	NR	46
CDL	0.001		0	NR	NR	NR	NR	0
HIST CDL	0.001		0	NR	NR	NR	NR	0
CSCSL NFA	0.500		6	1	3	NR	NR	10
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		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	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
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		9	1	NR	NR	NR	10
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		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	1	0	0	NR	1
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		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
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		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	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		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		4	NR	NR	NR	NR	4
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		1	NR	NR	NR	NR	1
Inactive Drycleaners	0.250		1	0	NR	NR	NR	1
MANIFEST	0.250		3	5	NR	NR	NR	8
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		1	NR	NR	NR	NR	1
ECHO	0.001		2	NR	NR	NR	NR	2
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
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		11	NR	NR	NR	NR	11
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	68	42	26	2	0	138

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
< 1/8
1 ft.

7 ELEVEN #230314479M
5310 CAPITOL BLVD. S.
TUMWATER, WA 98501

ICR **S105687475**
N/A

Relative:
Lower

Click here for full text details

A2
< 1/8
1 ft.

7 ELEVEN #230314479M
5310 CAPITOL BLVD. S.
TUMWATER, WA 98501

ICR **S105687440**
N/A

Relative:
Lower

Click here for full text details

A3
< 1/8
1 ft.

DREW'S MOBILE STATION
TROSPER ROAD & CAPITOL
OLYMPIA, WA 98506

ICR **S105454334**
N/A

Relative:
Lower

Click here for full text details

A4
< 1/8
1 ft.

5403 CAPITOL BLVD S
OLYMPIA, WA 98501

EDR Hist Auto **1015546371**
N/A

Relative:
Higher

Click here for full text details

A5
< 1/8
1 ft.

5403 CAPITOL BLVD SW
OLYMPIA, WA 98501

EDR Hist Auto **1015546372**
N/A

Relative:
Higher

Click here for full text details

A6
< 1/8
1 ft.

7-ELEVEN 2303-14479-M
5310 CAPITOL BLVD S
TUMWATER, WA 98501

UST **U003355668**
N/A

Relative:
Lower

Click here for full text details

UST
Site Id: 8629
Facility ID: 97196866

B7
< 1/8
1 ft.

CAPITOL SHELL
5200 CAPITAL BLVD
TUMWATER, WA 98501

Financial Assurance

S108523630
N/A

Relative:
Lower

Click here for full text details

Financial Assurance
DOE Site ID: 4465

B8
< 1/8
1 ft.

TUMWATER SHELL
5200 CAPITOL BLVD
TUMWATER, WA 98501

VCP
ALLSITES
CSCSL NFA
RCRA NonGen / NLR
FINDS
MANIFEST
ECHO

1000660585
WAD988502720

Relative:
Lower

Click here for full text details

VCP
Facility ID: 96884172
Cleanup Siteid: 6951

ALLSITES
Facility Id: 96884172

CSCSL NFA
Facility/Site Id: 96884172
CS Id: 6951

RCRA NonGen / NLR
EPA Id: WAD988502720

FINDS
Registry ID:: 110005372916

MANIFEST
Facility Site ID Number: 96884172
Gen Status CD: XQG
EPA ID: WAD988502720

B9
< 1/8
1 ft.

TUMWATER SHELL
5200 CAPITOL BLVD
TUMWATER, WA 98501

UST

U003354539
N/A

Relative:
Lower

Click here for full text details

UST
Site Id: 4465
Facility ID: 96884172

C10 **JACK N THE BOX DREWS MOBIL** **UST** **U003353134**
110 TROSPER RD **ALLSITES** **N/A**
< 1/8 **TUMWATER, WA 98501** **CSCSL NFA**
1 ft.

Relative: Higher

Click here for full text details

UST
Site Id: 10982
Facility ID: 82682393

ALLSITES
Facility Id: 82682393

CSCSL NFA
Facility/Site Id: 82682393
CS Id: 10656

C11 **JACK N THE BOX DREWS MOBIL** **FINDS** **1007064593**
110 TROSPER RD **N/A**
< 1/8 **TUMWATER, WA 98501**
1 ft.

Relative: Higher

Click here for full text details

FINDS
Registry ID:: 110015411552

B12 **EDR Hist Auto** **1015537127**
5200 CAPITOL BLVD S **N/A**
< 1/8 **OLYMPIA, WA 98501**
1 ft.

Relative: Lower

Click here for full text details

A13 **7 ELEVEN FOOD STORE 230314479M** **VCP** **1007062176**
5310 CAPITOL BLVD SE **ALLSITES** **N/A**
< 1/8 **TUMWATER, WA 98501** **CSCSL NFA**
1 ft.

Relative: Higher

Click here for full text details

VCP
Facility ID: 97196866
Cleanup Siteid: 6958

ALLSITES
Facility Id: 97196866

CSCSL NFA
Facility/Site Id: 97196866

7 ELEVEN FOOD STORE 230314479M (Continued) **1007062176**

CS Id: 6958

D14 **MOTEL 6 DRUG LAB** **ALLSITES** **1000878841**
400 W LEE ST RM 236 **RCRA NonGen / NLR** **WAD988521662**
< 1/8 **TUMWATER, WA 98501** **FINDS**
1 ft. **ECHO**

Relative: Higher

Click here for full text details

ALLSITES
Facility Id: 7921141

RCRA NonGen / NLR
EPA Id: WAD988521662

FINDS
Registry ID:: 110005387009

D15 **UIC** **S116538546**
N/A

< 1/8 **THURSTON (County), WA**
1 ft.

Relative: Higher

Click here for full text details

UIC
Well Status: Active

A16 **7 ELEVEN FOOD STORE 230314479M** **FINDS** **1016683022**
5310 CAPITOL BLVD SE **N/A**
< 1/8 **TUMWATER, WA 98501**
1 ft.

Relative: Higher

Click here for full text details

FINDS
Registry ID:: 110015387099

---

17 **UST** **1000659169**
ESE **5403 CAPITOL BLVD** **ALLSITES** **WAD988488367**
< 1/8 **TUMWATER, WA 98501** **RCRA NonGen / NLR**
0.011 mi. **FINDS**
56 ft. **ECHO**

Relative: Higher

Click here for full text details

UST
Site Id: 1190
Facility ID: 59958424

ALLSITES
Facility Id: 59958424

(Continued) **1000659169**

RCRA NonGen / NLR
EPA Id: WAD988488367

FINDS
Registry ID:: 110005362384

B18
NNE
< 1/8
0.031 mi.
164 ft.

Relative:
Lower

5141 CAPITOL BLVD SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Cleaner **1015070643**
N/A

B19
NNE
< 1/8
0.031 mi.
164 ft.

Relative:
Lower

5141 CAPITOL BLVD S
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Cleaner **1015070642**
N/A

B20
NNE
< 1/8
0.031 mi.
164 ft.

Relative:
Lower

SOUTHGATE DRY CLEANERS
5141 CAPITAL BLVD
TUMWATER, WA 98501

Click here for full text details

ALLSITES
Facility Id: 69846824

RCRA NonGen / NLR
EPA Id: WAD037415809

FINDS
Registry ID:: 110005319342

Inactive Drycleaners
EPA I: WAD037415809
Facility ID: WAD037415809

ALLSITES **1001490258**
RCRA NonGen / NLR **WAD037415809**
FINDS
Inactive Drycleaners
ECHO

E21
NNE
< 1/8
0.048 mi.
253 ft.

Relative:
Lower

5115 CAPITOL BLVD SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Auto **1015532125**
N/A

F22
WNW
< 1/8
0.050 mi.
264 ft.

Relative:
Higher

501 TROSPER RD SW
OLYMPIA, WA 98512

Click here for full text details

EDR Hist Auto **1015524172**
N/A

E23
NNE
< 1/8
0.056 mi.
295 ft.

Relative:
Lower

5109F CAPITOL BLVD
TUMWATER, WA 98501

Click here for full text details

ALLSITES
Facility Id: 63654332

RCRA NonGen / NLR
EPA Id: WAD980983340

ALLSITES **1000308772**
RCRA NonGen / NLR **WAD980983340**

G24
SE
< 1/8
0.058 mi.
304 ft.

Relative:
Higher

5605 CAPITOL BLVD SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Auto **1015553969**
N/A

G25
SE
< 1/8
0.058 mi.
304 ft.

Relative:
Higher

TIRES INC
5605 CAPITOL BLVD
TUMWATER, WA 98501

Click here for full text details

ALLSITES
Facility Id: 82485489

RCRA NonGen / NLR
EPA Id: WAD988516514

FINDS

ALLSITES **1000838847**
RCRA NonGen / NLR **WAD988516514**
FINDS
ECHO

TIRES INC (Continued) **1000838847**

Registry ID:: 110005383076

F26
WNW
< 1/8
0.060 mi.
318 ft.

Relative:
Higher

BP #03158 **ICR** **S103503077**
501 TROSPER ROAD **N/A**
OLYMPIA, WA 98502

Click here for full text details

F27
WNW
< 1/8
0.060 mi.
318 ft.

Relative:
Higher

501 TROSPER RD SW **RCRA NonGen / NLR** **1000885320**
TUMWATER, WA 98501 **FINDS** **WAD988488839**
MANIFEST

Click here for full text details

RCRA NonGen / NLR
EPA Id: WAD988488839

FINDS
Registry ID:: 110055070550

MANIFEST
Facility Site ID Number: 69587682
Gen Status CD: XQG
EPA ID: WAD988488839

F28
WNW
< 1/8
0.060 mi.
318 ft.

Relative:
Higher

BP SERVICE STATION 03158 **VCP** **S108022504**
501 TROSPER RD SW **ALLSITES** **N/A**
TUMWATER, WA 98501 **CSCSL NFA**
Financial Assurance

Click here for full text details

VCP
Facility ID: 69587682
Cleanup Siteid: 7115

ALLSITES
Facility Id: 22424
Facility Id: 69587682

CSCSL NFA
Facility/Site Id: 69587682
CS Id: 7115

Financial Assurance
DOE Site ID: 9534

F29
WNW
< 1/8
0.060 mi.
318 ft.

Relative:
Higher

FRED MEYER 659 FM FUEL
501 TROSPER RD SW
TUMWATER, WA 98512

Click here for full text details

UST
Site Id: 9534
Facility ID: 69587682

UST **U003355878**
N/A

E30
NNE
< 1/8
0.063 mi.
331 ft.

Relative:
Lower

5101 CAPITOL BLVD SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Auto **1015531136**
N/A

H31
SE
< 1/8
0.086 mi.
455 ft.

Relative:
Higher

115 GERTH ST SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Auto **1015167736**
N/A

H32
SE
< 1/8
0.091 mi.
482 ft.

Relative:
Higher

5701 CAPITOL BLVD SW
OLYMPIA, WA 98501

Click here for full text details

EDR Hist Auto **1015557015**
N/A

H33
SE
< 1/8
0.102 mi.
537 ft.

Relative:
Higher

K & M CORP OF TUMWATER
5701 S CAPITOL BLVD
TUMWATER, WA 98501

Click here for full text details

ALLSITES
Facility Id: 9439543

RCRA NonGen / NLR
EPA Id: WAD988507547

FINDS
Registry ID:: 110005376324

ALLSITES **1004794344**
RCRA NonGen / NLR **WAD988507547**
FINDS
ECHO

H34
SE
< 1/8
0.102 mi.
537 ft.

Relative:
Higher

5701 CAPITOL BLVD S
OLYMPIA, WA 98501

EDR Hist Auto **1015557014**
N/A

Click here for full text details

I35
WSW
< 1/8
0.102 mi.
537 ft.

Relative:
Higher

FRED MEYER 659
555 TROSPER RD SW
TUMWATER, WA 98512

ALLSITES **S109053226**
MANIFEST **N/A**

Click here for full text details

ALLSITES
Facility Id: 9451960

MANIFEST
Facility Site ID Number: 9451960
Gen Status CD: MQG
EPA ID: WAH000032291

I36
WSW
< 1/8
0.102 mi.
537 ft.

Relative:
Higher

555 TROSPER RD SW
TUMWATER, WA 98512

RCRA NonGen / NLR **1010788428**
WAH000032291

Click here for full text details

RCRA NonGen / NLR
EPA Id: WAH000032291

37
SW
< 1/8
0.114 mi.
600 ft.

Relative:
Higher

MERCHANTS MOVING & STORAGE
5880 LINDERSON WAY
TUMWATER, WA 98501

UST **U003353619**
ALLSITES **N/A**
CSCSL NFA

Click here for full text details

UST
Site Id: 1584
Facility ID: 32816786

ALLSITES
Facility Id: 6115502
Facility Id: 32816786

CSCSL NFA
Facility/Site Id: 32816786
CS Id: 8726

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
J38 **North** **< 1/8** **0.120 mi.** **636 ft.** **Relative: Lower**	**JIFFY LUBE STORE 2754** **5101 CAPITOL BLVD S** **TUMWATER, WA 98501**	**ALLSITES** **CSCSL NFA**	**S104972191** **N/A**
	Click here for full text details		
	ALLSITES Facility Id: 1432		
	CSCSL NFA Facility/Site Id: 1432 CS Id: 5041		
J39 **North** **< 1/8** **0.120 mi.** **636 ft.** **Relative: Lower**	**JIFFY LUBE STORE 2754** **5101 CAPITOL BLVD S** **TUMWATER, WA 98501**	**UST** **FINDS**	**1007080746** **N/A**
	Click here for full text details		
	UST Site Id: 7700 Facility ID: 1432		
	FINDS Registry ID:: 110015574680		
J40 **North** **< 1/8** **0.120 mi.** **636 ft.** **Relative: Lower**	**5101 CAPITOL BLVD S** **OLYMPIA, WA 98501**	**EDR Hist Auto**	**1015531135** **N/A**
	Click here for full text details		
J41 **North** **< 1/8** **0.120 mi.** **636 ft.** **Relative: Lower**	**GULL #256** **5101 CAPITOL BOULEVARD** **OLYMPIA, WA 98501**	**ICR**	**S104486900** **N/A**
	Click here for full text details		

K42
WNW
1/8-1/4
0.136 mi.
719 ft.

Relative:
Higher

CHEVRON 90956
670 TROSPER RD SW
TUMWATER, WA 98502

UST **U003354709**
N/A

Click here for full text details

UST
Site Id: 5067
Facility ID: 13797251

K43
WNW
1/8-1/4
0.136 mi.
719 ft.

Relative:
Higher

CHEVRON #9 0956
670 TROSPER ROAD
OLYMPIA, WA 98501

ICR **S104486233**
N/A

Click here for full text details

K44
WNW
1/8-1/4
0.136 mi.
719 ft.

Relative:
Higher

670 TROSPER RD
TUMWATER, WA 98512

RCRA-CESQG **1001490694**
VCP **WAD988489753**
ALLSITES
CSCSL NFA
SPILLS
FINDS
Financial Assurance
MANIFEST
ECHO

Click here for full text details

RCRA-CESQG
EPA Id: WAD988489753

VCP
Facility ID: 13797251
Cleanup Siteid: 5558

ALLSITES
Facility Id: 13797251

CSCSL NFA
Facility/Site Id: 13797251
CS Id: 5558

SPILLS
Facility ID: 644978
Facility ID: 651970

FINDS
Registry ID:: 110005363427

Financial Assurance

(Continued) **1001490694**

DOE Site ID: 5067

MANIFEST
Facility Site ID Number: 13797251
Gen Status CD: XQG
Gen Status CD: MQG
Gen Status CD: SQG
EPA ID: WAD988489753

J45
North
1/8-1/4
0.155 mi.
821 ft.

Relative:
Lower

PALERMO VALLEY LIFT STATION **UST** **U003604693**
M ST **ALLSITES** **N/A**
TUMWATER, WA 98501

Click here for full text details

UST
Site Id: 491297
Facility ID: 70666588

ALLSITES
Facility Id: 70666588

46
NW
1/8-1/4
0.156 mi.
825 ft.

Relative:
Higher

1655 S 2ND AVE **RCRA-CESQG** **1000394622**
TUMWATER, WA 98512 **ALLSITES** **WAD980639686**
MANIFEST

Click here for full text details

RCRA-CESQG
EPA Id: WAD980639686

ALLSITES
Facility Id: 3175458

MANIFEST
Facility Site ID Number: 3175458
Gen Status CD: MQG
Gen Status CD: LQG
EPA ID: WAD980639686

L47
SE
1/8-1/4
0.159 mi.
838 ft.

Relative:
Higher

5720 CAPITOL BLVD **RCRA-SQG** **1000394623**
TUMWATER, WA 98504 **ALLSITES** **WAD980981583**
FINDS
MANIFEST
ECHO

Click here for full text details

RCRA-SQG
EPA Id: WAD980981583

(Continued) **1000394623**

ALLSITES
Facility Id: 64163664

FINDS
Registry ID:: 110009510948

MANIFEST
Facility Site ID Number: 64163664
Gen Status CD: MQG
Gen Status CD: SQG
EPA ID: WAD980981583

L48 **OLYMPIC REGION HEADQUARTERS SITE** **UST** **U003353413**
SE **5720 CAPITOL BOULEVARD** **N/A**
1/8-1/4 **TUMWATER, WA 98501**
0.159 mi.
838 ft.

Relative: Higher

Click here for full text details

UST
Site Id: 12152
Facility ID: 64163664

L49 **ELM STREET PLAT** **ALLSITES** **S110035983**
SE **6400 BLOCK OF ELM ST SE** **NPDES** **N/A**
1/8-1/4 **TUMWATER, WA 98512**
0.164 mi.
865 ft.

Relative: Higher

Click here for full text details

ALLSITES
Facility Id: 2000

NPDES
Permit ID: WAR303339

---

50 **PALERMO WELL FIELD GROUND WATER CONTAMINATION** **NPL** **1000851457**
NE **PALERMO AVENUE & O STREET** **SEMS** **WA0000026534**
1/8-1/4 **TUMWATER, WA 98501** **US ENG CONTROLS**
0.169 mi. **US INST CONTROL**
891 ft. **HSL**
CSCSL
Relative: Lower Click here for full text details **ALLSITES**
ROD
PRP

NPL
Cerclis ID:: 1001761
EPA Id: WA0000026534

PALERMO WELL FIELD GROUND WATER CONTAMINATION (Continued) **1000851457**

SEMS
Site ID: 1001761
EPA Id: WA0000026534

US ENG CONTROLS
EPA ID:: WA0000026534
EPA ID:: WA0000026534

US INST CONTROL
EPA ID:: WA0000026534

HSL
Facility Status: Construction Complete-Performance Monitoring
Facility Type: Hazardous Sites List
FSID Number: 55237647

CSCSL
Site Status: Tracked by EPA
Facility ID: 55237647
Clean Up Siteid: 4616

ALLSITES
Facility Id: 55237647

ROD
EPA ID:: WA0000026534

51
SSW
1/8-1/4
0.185 mi.
975 ft.

Relative:
Higher

ATT TUMWATER **ALLSITES** **S116505772**
6000 LINDERSON WAY SW **N/A**
TUMWATER, WA 98501

Click here for full text details

ALLSITES
Facility Id: 16921

52
West
1/8-1/4
0.193 mi.
1021 ft.

Relative:
Higher

WA DOT MATERIALS TESTING FACILITY **CSCSL** **S111770042**
5313 LITTLEROCK RD SW **ALLSITES** **N/A**
TUMWATER, WA 98512

Click here for full text details

CSCSL
Site Status: Awaiting Cleanup
Facility ID: 5076
Clean Up Siteid: 11398

WA DOT MATERIALS TESTING FACILITY (Continued) **S111770042**

ALLSITES
Facility Id: 5076

53
SSE
1/8-1/4
0.204 mi.
1077 ft.

Relative:
Higher

6015 CAPITOL BLVD
TUMWATER, WA 98504

ALLSITES **1000246857**
RCRA NonGen / NLR **WAD988473740**
FINDS
ECHO

Click here for full text details

ALLSITES
Facility Id: 39992337

RCRA NonGen / NLR
EPA Id: WAD988473740

FINDS
Registry ID:: 110006460007

54
WNW
1/8-1/4
0.206 mi.
1086 ft.

Relative:
Lower

WALGREENS 12453
702 TROSPER RD SW
TUMWATER, WA 98512

ALLSITES **S110700579**
N/A

Click here for full text details

ALLSITES
Facility Id: 20461

55
WSW
1/8-1/4
0.221 mi.
1168 ft.

Relative:
Higher

COSTCO WHOLESALE 64
5500 LITTLE ROCK RD SW
TUMWATER, WA 98512

RCRA-LQG **1001031679**
UST **WAR000003889**
ALLSITES
ICIS
FINDS
MANIFEST
ECHO

Click here for full text details

RCRA-LQG
EPA Id: WAR000003889

UST
Site Id: 547113
Facility ID: 86928438

ALLSITES
Facility Id: 86928438

ICIS

COSTCO WHOLESALE 64 (Continued) **1001031679**

FRS ID:: 110000830012

FINDS
Registry ID:: 110000830012

MANIFEST
Facility Site ID Number: 86928438
Gen Status CD: XQG
Gen Status CD: SQG
Gen Status CD: LQG
EPA ID: WAR000003889

M56
WNW
1/8-1/4
0.241 mi.
1271 ft.

Relative:
Higher

705 TROSPER RD SW
TUMWATER, WA 98511

RCRA-CESQG **1014928237**
WAH000038931

Click here for full text details

RCRA-CESQG
EPA Id: WAH000038931

N57
SSW
1/8-1/4
0.241 mi.
1275 ft.

Relative:
Higher

UNITED RENTALS NORTHWEST INC TUMWATER
6070 LINDERSON WAY
TUMWATER, WA 98501

UST **U003352534**
ALLSITES **N/A**

Click here for full text details

UST
Site Id: 101023
Facility ID: 44628763

ALLSITES
Facility Id: 44628763

M58
WNW
1/8-1/4
0.245 mi.
1294 ft.

Relative:
Higher

ALBERTSONS #407
705 TROSPER RD SW
TUMWATER, WA 98511

ALLSITES **S111151756**
MANIFEST **N/A**

Click here for full text details

ALLSITES
Facility Id: 17549

MANIFEST
Facility Site ID Number: 17549
Gen Status CD: SQG
EPA ID: WAH000038931

N59
SSW
1/8-1/4
0.246 mi.
1300 ft.

Relative:
Higher

BLACK HILLS DISTRIBUTING — **UST** — **U003353923**
6080 LINDERSON WAY — **ALLSITES** — **N/A**
TUMWATER, WA 98501

Click here for full text details

UST
Site Id: 2597
Facility ID: 62874931

ALLSITES
Facility Id: 62874931

M60
West
1/4-1/2
0.253 mi.
1334 ft.

Relative:
Higher

LITTLEROCK SHELL — **UST** — **1007075198**
701 SW TROSPER RD — **ALLSITES** — **N/A**
TUMWATER, WA 98501 — **FINDS**
Financial Assurance

Click here for full text details

UST
Site Id: 429259
Facility ID: 16486178

ALLSITES
Facility Id: 16486178

FINDS
Registry ID:: 110015518466

Financial Assurance
DOE Site ID: 429259

O61
West
1/4-1/2
0.281 mi.
1485 ft.

Relative:
Higher

AUTOZONE 1154 — **ALLSITES** — **S117450672**
849 TROSPER RD SW — **MANIFEST** — **N/A**
TUMWATER, WA 98512

Click here for full text details

ALLSITES
Facility Id: 952

MANIFEST
Facility Site ID Number: 952
Gen Status CD: SQG
EPA ID: WAH000048016

P62
SSE
1/4-1/2
0.290 mi.
1529 ft.

Relative:
Higher

NORTHWEST DELI MART #10
6131 CAPITOL BLVD.
OLYMPIA, WA 98501

ICR **S104488693**
N/A

Click here for full text details

P63
SSE
1/4-1/2
0.290 mi.
1529 ft.

Relative:
Higher

TUMWATER DELI MART
6131 CAPITOL BLVD
TUMWATER, WA 98501

UST **U003353777**
ALLSITES **N/A**
CSCSL NFA
Financial Assurance

Click here for full text details

UST
Site Id: 212
Facility ID: 14254774

ALLSITES
Facility Id: 14254774

CSCSL NFA
Facility/Site Id: 14254774
CS Id: 8027

Financial Assurance
DOE Site ID: 212

O64
West
1/4-1/2
0.293 mi.
1548 ft.

Relative:
Higher

THE RESERVE AT TUMWATER
TROSPER RD SW & LAKE PARK DR SW
TUMWATER, WA 98512

ALLSITES **S118345110**
NPDES **N/A**

Click here for full text details

ALLSITES
Facility Id: 5396

NPDES
Permit ID: WAR303341

65
NE
1/4-1/2
0.305 mi.
1610 ft.

Relative:
Lower

VALLEY ATHLETIC CLUB
4833 TUMWATER VALLEY DR SE
TUMWATER, WA 98501

ALLSITES **1007074285**
FINDS **N/A**

Click here for full text details

ALLSITES
Facility Id: 22493425

FINDS

VALLEY ATHLETIC CLUB (Continued) **1007074285**

Registry ID:: 110015509225

P66
SSE
1/4-1/2
0.313 mi.
1652 ft.

Relative:
Higher

SOUNDBUILT HOMES COOPER CREST **ALLSITES** **1011266141**
36TH AVE W OF BISCAY ST NW **FINDS** **N/A**
OLYMPIA, WA 98502

Click here for full text details

ALLSITES
Facility Id: 4247388

FINDS
Registry ID:: 110036131977

O67
West
1/4-1/2
0.314 mi.
1658 ft.

Relative:
Higher

NORTHWEST AQUATIC ECO-SYSTEMS **ALLSITES** **S118820832**
855 TROSPER RD SW **N/A**
TUMWATER, WA 98512

Click here for full text details

ALLSITES
Facility Id: 11947

68
WSW
1/4-1/2
0.315 mi.
1664 ft.

Relative:
Higher

ALBANY INTERNATIONAL **ALLSITES** **S109394706**
5700 LITTLEROCK RD **AIRS** **N/A**
TUMWATER, WA 98512

Click here for full text details

ALLSITES
Facility Id: 78314338

P69
SSE
1/4-1/2
0.330 mi.
1742 ft.

Relative:
Higher

TUMWATER RENTALS **UST** **U003355971**
6135 CAPITOL BLVD **ALLSITES** **N/A**
TUMWATER, WA 98501

Click here for full text details

UST
Site Id: 97523
Facility ID: 6753626

ALLSITES
Facility Id: 6753626

70
NW
1/4-1/2
0.331 mi.
1749 ft.

Relative:
Lower

PIONEER WESTERN INVESTMENTS
1500 LAKE PARK DR SW APT 85
TUMWATER, WA 98512

ALLSITES
FINDS

1007677212
N/A

Click here for full text details

ALLSITES
Facility Id: 5108667

FINDS
Registry ID:: 110017944224

Q71
SSE
1/4-1/2
0.354 mi.
1869 ft.

Relative:
Higher

WONDER BREAD OUTLET
6301 CAPITOL BLVD S
TUMWATER, WA 98501

VCP
ALLSITES
CSCSL NFA

S104972212
N/A

Click here for full text details

VCP
Facility ID: 83136883
Cleanup Siteid: 6724

ALLSITES
Facility Id: 83136883

CSCSL NFA
Facility/Site Id: 83136883
CS Id: 6724

Q72
SSE
1/4-1/2
0.354 mi.
1869 ft.

Relative:
Higher

CONTINENTAL BAKING COMPANY
6301 CAPITOL BLVD.
OLYMPIA, WA 98501

ICR

S109260976
N/A

Click here for full text details

73
NNE
1/4-1/2
0.355 mi.
1872 ft.

Relative:
Lower

TUMWATER - LA QUINTA
4600 CAPITOL BLVD SE
TUMWATER, WA 98501

ALLSITES
NPDES

S114405471
N/A

Click here for full text details

ALLSITES
Facility Id: 6615

NPDES
Permit ID: WAR301340
Facility Status: Active

R74
WSW
1/4-1/2
0.359 mi.
1898 ft.

Relative:
Higher

ROW ALONG 5800 LITTLEROCK RD SW
5800 LITTLEROCK RD SW
TUMWATER, WA 98512

ALLSITES **S110993474**
CSCSL NFA **N/A**

Click here for full text details

ALLSITES
Facility Id: 22028

CSCSL NFA
Facility/Site Id: 22028
CS Id: 11526

75
NE
1/4-1/2
0.383 mi.
2021 ft.

Relative:
Lower

TUMWATER RECLAIMED WATER MAIN
TUMWATER FALLS VALLEY GOLF COURSE
TUMWATER, WA 98501

ALLSITES **S110038555**
N/A

Click here for full text details

ALLSITES
Facility Id: 7657

R76
WSW
1/4-1/2
0.391 mi.
2066 ft.

Relative:
Higher

SYGITOWICZ AUTO SERVICE
5848 LITTLE ROCK RD SW
OLYMPIA, WA 98502

UST **U003355412**
ALLSITES **N/A**

Click here for full text details

UST
Site Id: 765
Facility ID: 84792512

ALLSITES
Facility Id: 84792512

77
South
1/4-1/2
0.402 mi.
2121 ft.

Relative:
Higher

CAPITOL BLVD DRUM
6400 BLOCK CAPITOL BLVD
TUMWATER, WA 98502

ALLSITES **1000456063**
RCRA NonGen / NLR **WAD988475596**
FINDS
ECHO

Click here for full text details

ALLSITES
Facility Id: 97753981

RCRA NonGen / NLR
EPA Id: WAD988475596

FINDS
Registry ID:: 110008221806

78
WSW
1/4-1/2
0.429 mi.
2266 ft.

Relative:
Higher

WALMART STORE 3850-00
5900 LITTLEROCK RD SW
TUMWATER, WA 98512

SWRCY **S110486430**
ALLSITES **N/A**
MANIFEST

Click here for full text details

ALLSITES
Facility Id: 21980

MANIFEST
Facility Site ID Number: 21980
Gen Status CD: MQG
EPA ID: WAH000038729

79
NNW
1/4-1/2
0.480 mi.
2533 ft.

Relative:
Higher

419 LINWOOD AVE SW
TUMWATER, WA 98502

ALLSITES **1004614222**
RCRA NonGen / NLR **WAD988473476**
FINDS
MANIFEST

Click here for full text details

ALLSITES
Facility Id: 63753743

RCRA NonGen / NLR
EPA Id: WAD988473476

MANIFEST
Facility Site ID Number: 63753743
Gen Status CD: SQG
EPA ID: WAD988473476

80
SW
1/4-1/2
0.490 mi.
2588 ft.

Relative:
Higher

HOME DEPOT 4724
1101 KINGSWOOD DR SW
TUMWATER, WA 98512

ALLSITES **S107672274**
MANIFEST **N/A**

Click here for full text details

ALLSITES
Facility Id: 9114488

MANIFEST
Facility Site ID Number: 9114488
Gen Status CD: MQG
EPA ID: WAH000024184

81
North
1/2-1
0.604 mi.
3190 ft.

Relative:
Higher

ARNOLDS TEXACO SERVICE
728 E 4TH
OLYMPIA, WA 98506

Click here for full text details

HSL **U003355124**
CSCSL **N/A**
LUST
UST
VCP
ALLSITES

HSL
Facility Status: Cleanup Started
Facility Type: Hazardous Sites List
FSID Number: 89216524

CSCSL
Site Status: Cleanup Started
Facility ID: 89216524
Clean Up Siteid: 6823

LUST
Facility Status: Awaiting Cleanup
Cleanup Site ID: 6823
Facility ID: 89216524

UST
Site Id: 6646
Facility ID: 89216524

VCP
Facility ID: 89216524
Cleanup Siteid: 6823

ALLSITES
Facility Id: 89216524

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
WA	AIRS (EMI)	Washington Emissions Data System	Department of Ecology	12/31/2016	01/10/2017	03/17/2017
WA	ALLSITES	Facility/Site Identification System Listing	Department of Ecology	02/02/2017	02/03/2017	03/17/2017
WA	AST	Aboveground Storage Tank Locations	Department of Ecology	12/14/2015	02/02/2016	05/03/2016
WA	BROWNFIELDS	Brownfields Sites Listing	Department of Ecology	01/18/2017	01/20/2017	03/17/2017
WA	CDL	Clandestine Drug Lab Contaminated Site List	Department of Health	11/21/2016	12/09/2016	12/23/2016
WA	COAL ASH	Coal Ash Disposal Site Listing	Department of Ecology	12/07/2016	12/13/2016	01/06/2017
WA	CSCSL	Confirmed and Suspected Contaminated Sites List	Department of Ecology	01/18/2017	01/20/2017	03/17/2017
WA	CSCSL NFA	Confirmed and Contaminated Sites - No Further Action	Department of Ecology	01/18/2017	01/20/2017	03/17/2017
WA	DRYCLEANERS	Drycleaner List	Department of Ecology	12/31/2015	05/06/2016	07/15/2016
WA	Financial Assurance 1	Financial Assurance Information Listing	Department of Ecology	02/24/2012	02/24/2012	03/27/2012
WA	Financial Assurance 2	Financial Assurance Information Listing	Department of Ecology	02/13/2017	02/14/2017	03/17/2017
WA	Financial Assurance 3	Financial Assurance Information Listing	Department of Ecology	02/01/2001	03/06/2007	04/19/2007
WA	HIST CDL	List of Sites Contaminated by Clandestine Drug Labs	Department of Health	02/08/2007	06/26/2007	07/19/2007
WA	HSL	Hazardous Sites List	Department of Ecology	08/25/2016	09/09/2016	10/12/2016
WA	ICR	Independent Cleanup Reports	Department of Ecology	12/01/2002	01/03/2003	01/22/2003
WA	INACTIVE DRYCLEANERS	Inactive Drycleaners	Department of Ecology	12/31/2015	05/06/2016	07/15/2016
WA	INST CONTROL	Institutional Control Site List	Department of Ecology	01/18/2017	01/20/2017	03/17/2017
WA	LUST	Leaking Underground Storage Tanks Site List	Department of Ecology	02/14/2017	02/17/2017	03/17/2017
WA	NPDES	Water Quality Permit System Data	Department of Ecology	01/18/2017	01/20/2017	03/17/2017
WA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Ecology		07/01/2013	12/24/2013
WA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Ecology		07/01/2013	01/10/2014
WA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Ecology		07/01/2013	12/24/2013
WA	SPILLS	Reported Spills	Department of Ecology	12/07/2016	12/09/2016	12/23/2016
WA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	05/23/2006	01/03/2013	03/06/2013
WA	SWF/LF	Solid Waste Facility Database	Department of Ecology	12/07/2016	12/13/2016	12/23/2016
WA	SWRCY	Recycling Facility List	Department of Ecology	10/25/2016	10/27/2016	01/06/2017
WA	SWTIRE	Solid Waste Tire Facilities	Department of Ecology	11/01/2005	03/16/2006	04/13/2006
WA	UIC	Underground Injection Wells Listing	Department of Ecology	10/18/2016	10/20/2016	01/13/2017
WA	UST	Underground Storage Tank Database	Department of Ecology	08/29/2016	08/31/2016	10/07/2016
WA	VCP	Voluntary Cleanup Program Sites	Department of Ecology	10/18/2016	10/20/2016	12/23/2016
WA	WA MANIFEST	Hazardous Waste Manifest Data	Department of Ecology	12/31/2015	05/06/2016	07/15/2016
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/09/2016	06/13/2016	09/02/2016
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2013	02/24/2015	09/30/2015
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2016	11/18/2016	02/03/2017
US	CORRACTS	Corrective Action Report	EPA	12/12/2016	12/28/2016	02/10/2017
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	06/02/2016	06/03/2016	09/02/2016
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	12/05/2016	01/05/2017	02/03/2017
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/11/2016	12/20/2016	02/17/2017
US	EDR Hist Auto	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/26/2016	09/29/2016	11/11/2016
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	09/14/2016	10/04/2016	10/21/2016
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	07/15/2016	09/07/2016	11/11/2016
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/21/2016	11/22/2016	02/03/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/28/2016	12/28/2016	02/03/2017
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/27/2015	10/29/2015	01/04/2016
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	02/05/2016	04/29/2016	06/03/2016
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	02/17/2016	04/27/2016	06/03/2016
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	12/11/2015	02/19/2016	06/03/2016
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/09/2015	02/12/2016	06/03/2016
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/13/2015	10/23/2015	02/18/2016
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	02/25/2016	04/27/2016	06/03/2016
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/20/2015	10/29/2015	01/04/2016
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	02/05/2016	04/29/2016	06/03/2016
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/05/2015	11/13/2015	01/04/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	12/03/2015	02/04/2016	06/03/2016
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/23/2014	11/25/2014	01/29/2015
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	01/26/2016	02/05/2016	06/03/2016
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	02/25/2016	04/27/2016	06/03/2016
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/05/2016	01/05/2017	02/10/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014
US	LUCIS	Land Use Control Information System	Department of the Navy	05/28/2015	05/29/2015	06/11/2015
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	12/05/2016	01/05/2017	02/03/2017
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2016	04/28/2016	09/02/2016
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/05/2016	01/05/2017	02/03/2017
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	01/04/2017	01/06/2017	02/10/2017
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2016	08/22/2016	11/11/2016
US	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SEMS	Superfund Enterprise Management System	EPA	10/10/2016	10/20/2016	01/06/2017
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/10/2016	10/20/2016	01/06/2017
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2014	11/24/2015	04/05/2016
US	TSCA	Toxic Substances Control Act	EPA	12/31/2012	01/15/2015	01/29/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/19/2016	12/20/2016	02/10/2017
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	09/30/2016	12/05/2016	02/10/2017
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	11/15/2016	11/29/2016	02/03/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	10/11/2016	11/16/2016	02/03/2017
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/30/2016	01/05/2017	02/10/2017
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	11/15/2016	11/29/2016	02/03/2017
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/05/2016	09/01/2016	09/23/2016
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	10/25/2015	01/29/2016	04/05/2016
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	07/30/2013	08/19/2013	10/03/2013
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/30/2017	02/01/2017	02/13/2017
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2015	07/22/2016	11/22/2016
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2015	04/14/2016	06/03/2016

Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
WA	Daycare Centers	Sensitive Receptor: Daycare Center Listing	Department of Social & Health Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
WA	State Wetlands	Wetland Inventory	Department of Ecology			
US	Topographic Map		U.S. Geological Survey			

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

5301 CAPITOL BLVD SE
5301 CAPITOL BLVD SE
OLYMPIA, WA 98501

TARGET PROPERTY COORDINATES

Latitude (North):	46.999049 - 46° 59' 56.58''
Longitude (West):	122.910714 - 122° 54' 38.57''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	506788.3
UTM Y (Meters):	5204844.0
Elevation:	174 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5996226 MAYTOWN, WA
Version Date:	2013
North Map:	6005513 TUMWATER, WA
Version Date:	2014

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 principal 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).

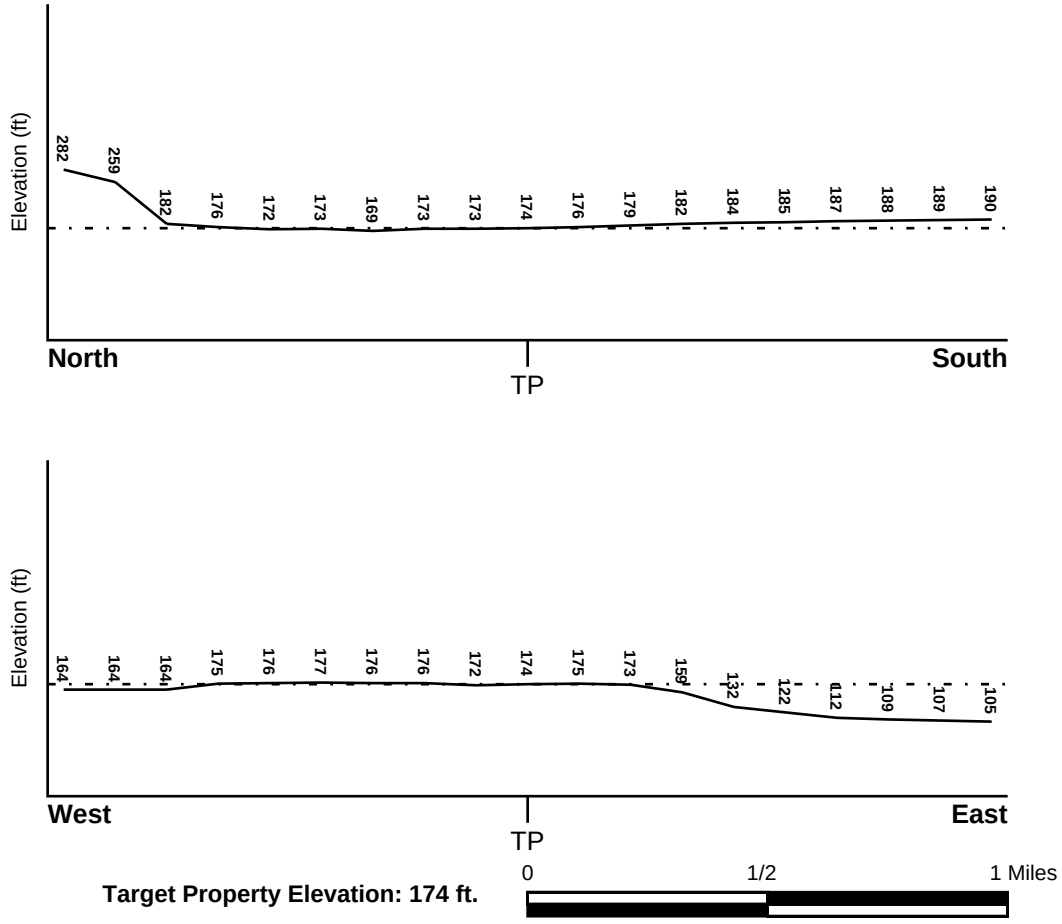
TOPOGRAPHIC INFORMATION

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 NE

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
53067C0281E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
53067C0168E	FEMA FIRM Flood data
53067C0169E	FEMA FIRM Flood data
53067C0282E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MAYTOWN	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.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

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

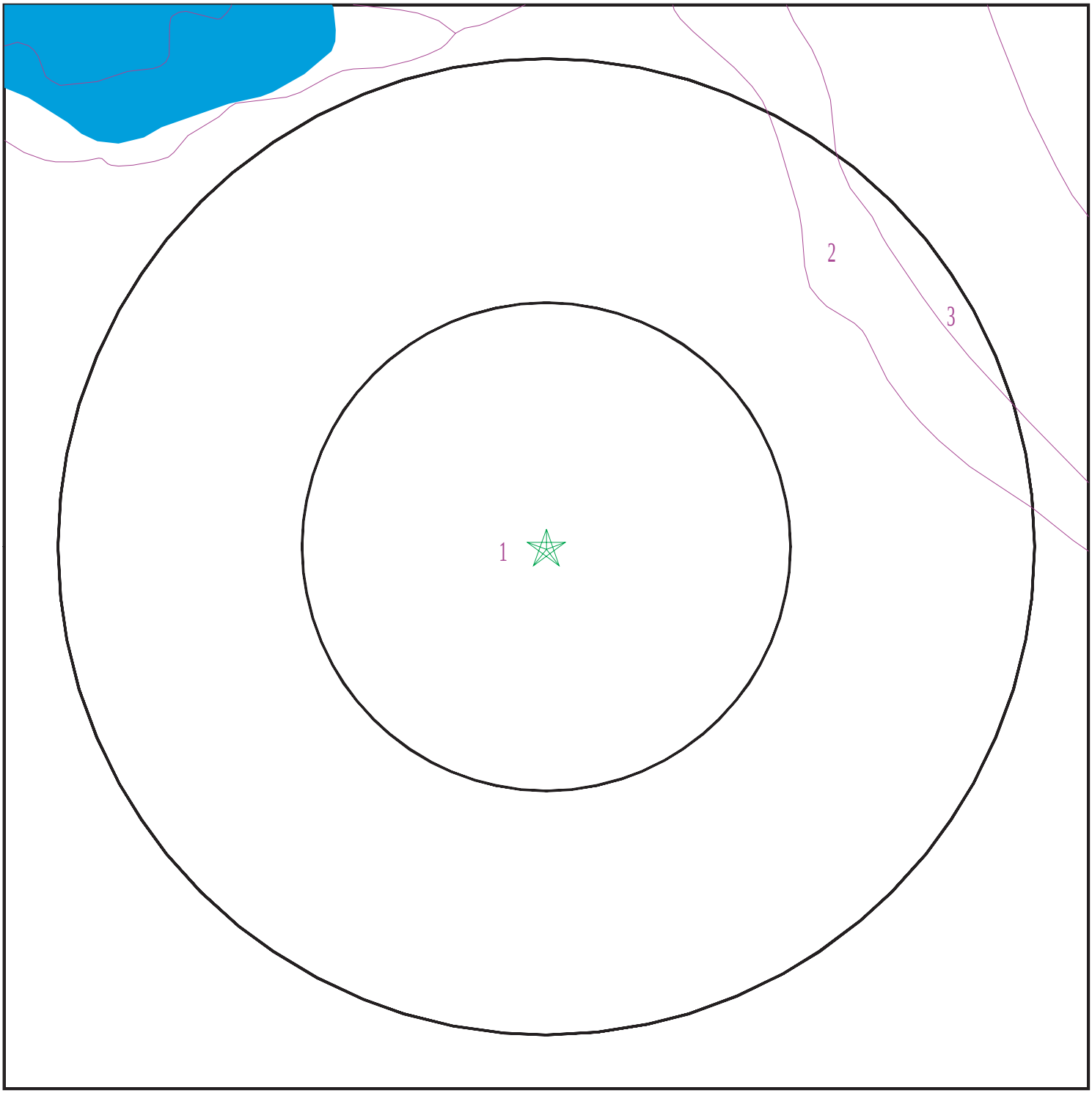
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 4883441.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	5301 Capitol Blvd SE	CLIENT:	Geo Engineers, Inc.
ADDRESS:	5301 Capitol Blvd SE Olympia WA 98501	CONTACT:	Lisa Huston
LAT/LONG:	46.999049 / 122.910714	INQUIRY #:	4883441.2s
		DATE:	March 20, 2017 12:47 pm

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: Nisqually

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 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	5 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.6
2	5 inches	31 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.6
3	31 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 5.6

Soil Map ID: 2

Soil Component Name: Indianola

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 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	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.3 Min: 6.1
2	5 inches	25 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
3	25 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Norma

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: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 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	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: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	29 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 5.6
3	29 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	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 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40001239596	1/8 - 1/4 Mile WSW
2	USGS40001239565	1/8 - 1/4 Mile WSW
A4	USGS40001239766	1/4 - 1/2 Mile ENE
A6	USGS40001239713	1/4 - 1/2 Mile ENE
A8	USGS40001239743	1/4 - 1/2 Mile ENE
A10	USGS40001239790	1/4 - 1/2 Mile ENE
A13	USGS40001239789	1/4 - 1/2 Mile ENE
A15	USGS40001239688	1/4 - 1/2 Mile ENE
A16	USGS40001239704	1/4 - 1/2 Mile ENE
B17	USGS40001239742	1/4 - 1/2 Mile ENE
20	USGS40001239959	1/4 - 1/2 Mile North
30	USGS40001279397	1/4 - 1/2 Mile WSW
31	USGS40001239960	1/4 - 1/2 Mile NNW
D32	USGS40001239744	1/4 - 1/2 Mile WNW
E33	USGS40001239846	1/4 - 1/2 Mile NE
D34	USGS40001239767	1/2 - 1 Mile WNW
F36	USGS40001239898	1/2 - 1 Mile NE
37	USGS40001239958	1/2 - 1 Mile NE
F38	USGS40001239942	1/2 - 1 Mile NE
39	USGS40001239209	1/2 - 1 Mile SSW
H41	USGS40001239494	1/2 - 1 Mile WSW
H42	USGS40001239493	1/2 - 1 Mile WSW
43	USGS40001239237	1/2 - 1 Mile SE
I44	USGS40001240003	1/2 - 1 Mile NE
45	USGS40001240082	1/2 - 1 Mile NNW
J48	USGS40001239712	1/2 - 1 Mile East
J49	USGS40001239687	1/2 - 1 Mile East
50	USGS40001239957	1/2 - 1 Mile NE
K51	USGS40001239865	1/2 - 1 Mile ENE
K52	USGS40001239864	1/2 - 1 Mile ENE
K53	USGS40001239868	1/2 - 1 Mile ENE
K54	USGS40001239866	1/2 - 1 Mile ENE
55	USGS40001239135	1/2 - 1 Mile SSE
56	USGS40001239566	1/2 - 1 Mile West
L57	USGS40001239285	1/2 - 1 Mile SW
L59	USGS40001239334	1/2 - 1 Mile SW
L60	USGS40001239286	1/2 - 1 Mile SW
M61	USGS40001240015	1/2 - 1 Mile NE
N63	USGS40001240062	1/2 - 1 Mile NE
64	USGS40001239112	1/2 - 1 Mile SSE
65	USGS40001239064	1/2 - 1 Mile South
M66	USGS40001239867	1/2 - 1 Mile NE
L67	USGS40001239287	1/2 - 1 Mile SW
M68	USGS40001240061	1/2 - 1 Mile NE
N69	USGS40001240081	1/2 - 1 Mile NE
O70	USGS40001240130	1/2 - 1 Mile NW
72	USGS40001240204	1/2 - 1 Mile NNW
M73	USGS40001240014	1/2 - 1 Mile NE
Q75	USGS40001239845	1/2 - 1 Mile ENE
87	USGS40001239980	1/2 - 1 Mile WNW
R88	USGS40001239435	1/2 - 1 Mile ESE
90	USGS40001240230	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
91	USGS40001240210	1/2 - 1 Mile NNW
P92	USGS40001239689	1/2 - 1 Mile West
R93	USGS40001239396	1/2 - 1 Mile ESE
94	USGS40001239917	1/2 - 1 Mile WNW
95	USGS40001239016	1/2 - 1 Mile SSE
96	USGS40001240203	1/2 - 1 Mile NE
S97	USGS40001238923	1/2 - 1 Mile South
S98	USGS40001238938	1/2 - 1 Mile South
S99	USGS40001238893	1/2 - 1 Mile South
100	USGS40001239395	1/2 - 1 Mile ESE
T101	USGS40001240181	1/2 - 1 Mile NE
102	USGS40001239528	1/2 - 1 Mile West
103	USGS40001238861	1/2 - 1 Mile South
105	USGS40001240217	1/2 - 1 Mile NE
T112	USGS40001240209	1/2 - 1 Mile NE
114	USGS40001239208	1/2 - 1 Mile SE
U115	USGS40001239111	1/2 - 1 Mile SE

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.

STATE DATABASE WELL INFORMATION

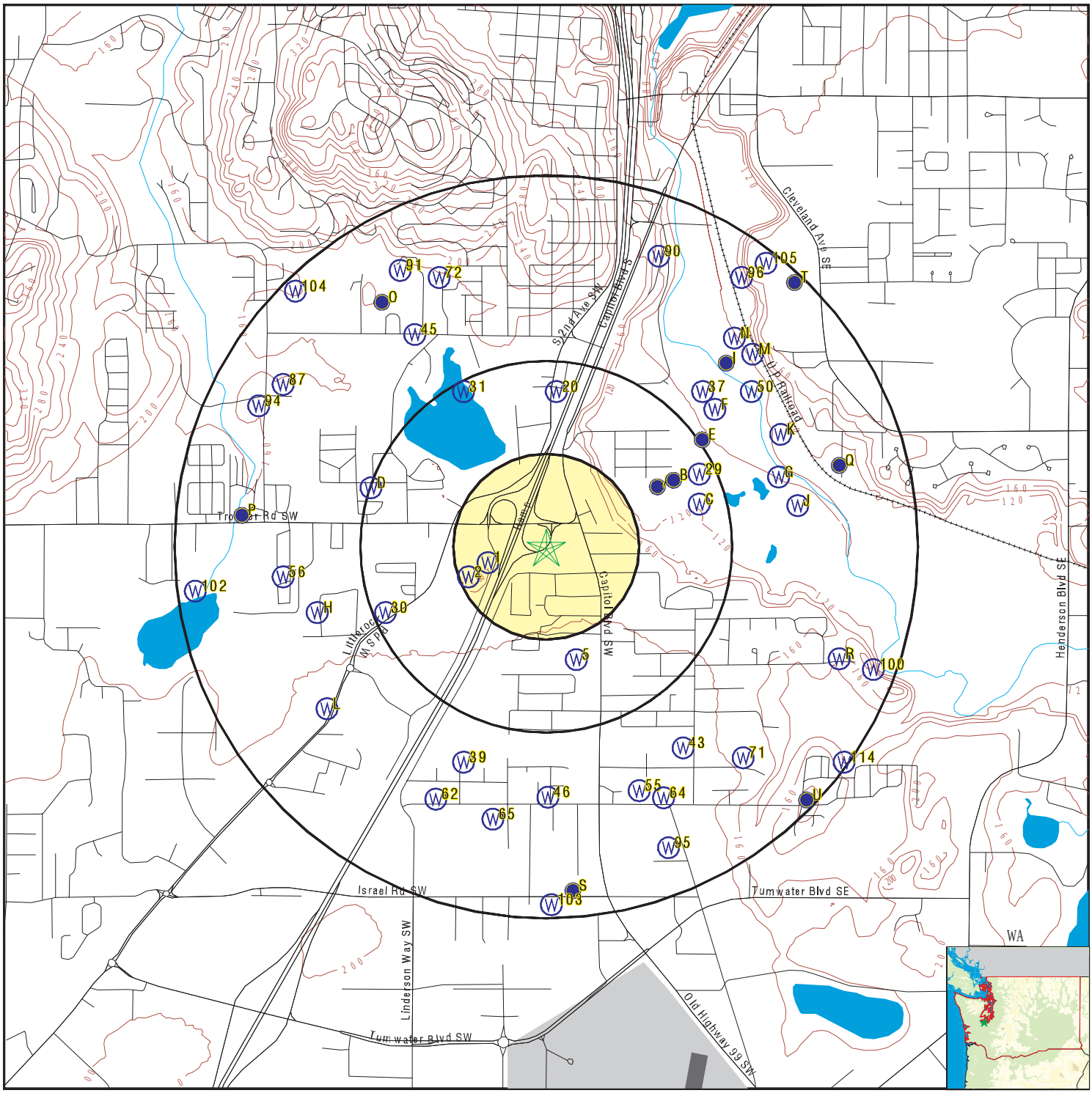
MAP ID	WELL ID	LOCATION FROM TP
A3	WA8000000011008	1/4 - 1/2 Mile ENE
5	WA8000000003191	1/4 - 1/2 Mile SSE
A7	WA8000000030969	1/4 - 1/2 Mile ENE
A9	WA8000000018915	1/4 - 1/2 Mile ENE
A11	WA8000000030968	1/4 - 1/2 Mile ENE
A12	WA8000000017490	1/4 - 1/2 Mile ENE
A14	WA8000000023784	1/4 - 1/2 Mile ENE
B18	WA8000000025114	1/4 - 1/2 Mile ENE
B19	WA8000000027315	1/4 - 1/2 Mile ENE
C21	WA8000000015567	1/4 - 1/2 Mile ENE
C22	WA8000000017081	1/4 - 1/2 Mile ENE
C23	WA8000000008978	1/4 - 1/2 Mile ENE
C24	WA8000000010884	1/4 - 1/2 Mile ENE
C25	WA8000000028152	1/4 - 1/2 Mile ENE
C26	WA8000000028907	1/4 - 1/2 Mile ENE
C27	WA8000000017082	1/4 - 1/2 Mile ENE
C28	WA8000000017647	1/4 - 1/2 Mile ENE
29	WA8000000024983	1/4 - 1/2 Mile ENE
E35	WA8000000009746	1/2 - 1 Mile NE
G40	WA8000000028065	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
46	WA8000000022799	1/2 - 1 Mile South
G47	WA8000000030967	1/2 - 1 Mile ENE
I58	WA8000000028908	1/2 - 1 Mile NE
62	WA8000000004245	1/2 - 1 Mile SSW
71	WA8000000019879	1/2 - 1 Mile SE
P74	WA8000000000754	1/2 - 1 Mile West
O76	WA8000000012457	1/2 - 1 Mile NNW
Q77	WA8000000015469	1/2 - 1 Mile ENE
Q78	WA8000000015470	1/2 - 1 Mile ENE
Q79	WA8000000012960	1/2 - 1 Mile ENE
Q80	WA8000000006421	1/2 - 1 Mile ENE
Q81	WA8000000009745	1/2 - 1 Mile ENE
Q82	WA8000000017648	1/2 - 1 Mile ENE
Q83	WA8000000028153	1/2 - 1 Mile ENE
Q84	WA8000000017174	1/2 - 1 Mile ENE
Q85	WA8000000016493	1/2 - 1 Mile ENE
Q86	WA8000000016605	1/2 - 1 Mile ENE
P89	WA8000000000797	1/2 - 1 Mile West
104	WA8000000008641	1/2 - 1 Mile NW
S106	WA8000000022637	1/2 - 1 Mile South
U107	WA8000000006112	1/2 - 1 Mile SE
U108	WA8000000000285	1/2 - 1 Mile SE
U109	WA8000000024450	1/2 - 1 Mile SE
U110	WA8000000023752	1/2 - 1 Mile SE
T111	WA8000000014249	1/2 - 1 Mile NE
T113	WA8000000016365	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 4883441.2s



- 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
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: 5301 Capitol Blvd SE	CLIENT: Geo Engineers, Inc.
ADDRESS: 5301 Capitol Blvd SE Olympia WA 98501	CONTACT: Lisa Huston INQUIRY #: 4883441.2s
LAT/LONG: 46.999049 / 122.910714	DATE: March 20, 2017 12:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **WSW** **1/8 - 1/4 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239596**
2 **WSW** **1/8 - 1/4 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239565**
A3 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000011008**
A4 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239766**
5 **SSE** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000003191**
A6 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239713**
A7 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000030969**
A8 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239743**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A9 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000018915**
A10 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239790**
A11 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000030968**
A12 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017490**
A13 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239789**
A14 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000023784**
A15 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239688**
A16 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239704**
B17 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239742**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
B18 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000025114**
B19 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000027315**
20 **North** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239959**
C21 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000015567**
C22 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017081**
C23 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000008978**
C24 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000010884**
C25 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000028152**
C26 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000028907**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C27 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017082**
C28 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017647**
29 **ENE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000024983**
30 **WSW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001279397**
31 **NNW** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239960**
D32 **WNW** **1/4 - 1/2 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239744**
E33 **NE** **1/4 - 1/2 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239846**
D34 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239767**
E35 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000009746**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
F36 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239898**
37 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239958**
F38 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239942**
39 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239209**
G40 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000028065**
H41 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239494**
H42 **WSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239493**
43 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239237**
I44 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240003**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
45 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240082**
46 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000022799**
G47 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000030967**
J48 **East** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239712**
J49 **East** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239687**
50 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239957**
K51 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239865**
K52 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239864**
K53 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239868**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
K54 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239866**
55 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239135**
56 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239566**
L57 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239285**
I58 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000028908**
L59 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239334**
L60 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239286**
M61 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240015**
62 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000004245**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
N63 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240062**
64 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239112**
65 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239064**
M66 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239867**
L67 **SW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239287**
M68 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240061**
N69 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240081**
O70 **NW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240130**
71 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000019879**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
72 **NNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001240204**
M73 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240014**
P74 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000000754**
Q75 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239845**
O76 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000012457**
Q77 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000015469**
Q78 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000015470**
Q79 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000012960**
Q80 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000006421**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q81 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000009745**
Q82 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017648**
Q83 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000028153**
Q84 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000017174**
Q85 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000016493**
Q86 **ENE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000016605**
87 **WNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239980**
R88 **ESE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239435**
P89 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000000797**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
90 **NNE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240230**
91 **NNW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240210**
P92 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239689**
R93 **ESE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239396**
94 **WNW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239917**
95 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239016**
96 **NE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001240203**
S97 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001238923**
S98 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001238938**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
S99 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001238893**
100 **ESE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239395**
T101 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001240181**
102 **West** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239528**
103 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001238861**
104 **NW** **1/2 - 1 Mile** **Lower**	Click here for full text details	**WA WELLS**	**WA8000000008641**
105 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001240217**
S106 **South** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000022637**
U107 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000006112**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
U108 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000000285**
U109 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000024450**
U110 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000023752**
T111 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000014249**
T112 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001240209**
T113 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**WA WELLS**	**WA8000000016365**
114 **SE** **1/2 - 1 Mile** **Lower**	Click here for full text details	**FED USGS**	**USGS40001239208**
U115 **SE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40001239111**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for THURSTON County: 3

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.

Federal Area Radon Information for Zip Code: 98501

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.414 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.950 pCi/L	100%	0%	0%

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.

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: Wetland Inventory
Source: Department of Ecology
Telephone: 360-407-6121

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 Wells
Source: Department of Health
Telephone: 360-236-3148
Group A and B well locations.

Water Well Listing
Source: Public Utility District
Telephone: 206-779-7656
A listing of water well locations in Kitsap County.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing
Source: Department of Natural Resources
Telephone: 360-902-1450
Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

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

APPENDIX C
List of References and Excerpts from Site Specific Ecology Files

SITE HAZARD ASSESSMENT
Summary Score Sheet

SITE INFORMATION:

Name: **BP Service Station 03158**
Address: **501 Trosper Road SW** City: **Tumwater** County: **Thurston** State: **WA** Zip: **98902**
Section/Township/Range: **S34/T18/R2W**
Latitude: **46° 59' 58" N** Longitude: **122° 54' 49" W**
TCP ID #: **69587682** Tax Parcel #: **12834430200**

Site scored/ranked for February 2007 update

SITE DESCRIPTION:

The site is a former Exxon gasoline station located at the southeastern corner of the intersection of Trosper Road and Tyee Drive, adjacent to U.S. Interstate 5 (See Thurston County Maps). The site is located approximately 160 feet above mean sea level in a mostly commercial area. Groundwater is located approximately 30 feet below ground surface (bgs) and generally flows towards the east. In September 1991 the property was sold to BP Oil Company and redeveloped as a BP service station. Presently, the site is operated as a 76 station which is owned by Kayo Oil Company.

PREVIOUS SITE INVESTIGATIONS:

In October 1991, a subsurface investigation was conducted at the site, which was believed to be related to the recent property transaction. A total of six soil borings were completed in various areas throughout the site, four of which were completed as monitoring wells MW1 through MW4. (See Groundwater Sample Analysis Map). A total of 11 soil samples were collected during the drilling process and no Model Toxics Control Act (MTCA) Method A cleanup level exceedances were reported. Groundwater samples collected from monitoring well MW1 contained dissolved hydrocarbon concentrations exceeding MTCA Method A cleanup levels. No other MTCA exceedances were reported in groundwater.

In January 1992, six additional borings were advanced and completed as groundwater monitoring wells MW5 through MW10. Two subsurface soil samples collected from MW8 contained concentrations of TPH-gasoline and total xylenes exceeding MTCA Method A cleanup levels. Groundwater samples collected from MW1, MW4, MW5, MW6, MW8, and MW9 all contained hydrocarbon concentrations exceeding MTCA Method A cleanup levels.

In January 1993, liquid phase hydrocarbons (LPH) were observed in monitoring well MW8 and attributed to a suspected new release from equipment operated by BP Oil Company. Subsequent sampling in December 1993 also discovered LPH in MW2 and again in MW8.

Three additional soil borings were advanced in March 1995, one of which was completed as a monitoring well (MW11) with the other two being completed as nested air sparge/soil vapor extraction (AS/SVE) wells AS/SVE1 and AS/SVE2. Subsequent AS/SVE feasibility tests indicated that such

systems would be effective in reducing soil vapor concentrations. Thus, an AS/SVE system was installed and operated from 1995 to 1998, effectively removing approximately 1,091 pounds of petroleum hydrocarbon vapors.

Except for the period of suspected new release in January 1993, results of subsequent groundwater sampling events indicated a general decline in dissolved-phase hydrocarbons over time. However, groundwater analytical results from October 2004 (See Table 1) indicated the presence of total petroleum hydrocarbons (gasoline, diesel, heavy oil) and benzene at concentrations exceeding MTCA Method A cleanup levels.

Table 1: Groundwater Sample Results from October 2004

Monitoring Well ID	TPH-gasoline	TPH-diesel	TPH-heavy oil	Benzene
MW1	598	<100	<100	**6.2**
MW2	156	206	**659**	1.5
MW6	**1,990**	**656**	<100	<1.0
MTCA[1]	**800**	**500**	**500**	**5.0**

Results are reported in parts per billion (ug/L)
[1]MTCA Method A cleanup level for groundwater
Bold entries indicate MTCA exceedances
< = Less than the stated laboratory reporting limit

SPECIAL CONSIDERATIONS:

Due to the contamination documented on-site being primarily subsurface, the surface water and air routes are not applicable for WARM scoring for this site. Thus, only the groundwater route will be scored.

ROUTE SCORES:

Surface Water/Human Health: **NS**
Air/Human Health: **NS**
Groundwater/Human Health: **35.4**
Surface Water/Environmental: **NS**
Air/Environmental: **NS**

OVERALL RANK: 3

WORKSHEET 2
Route Documentation

1. **SURFACE WATER ROUTE – *NOT SCORED***
   a. List those substances to be considered for scoring: Source:

   b. Explain basis for choice of substance(s) to be used in scoring.

   c. List those management units to be considered for scoring: Source

   d. Explain basis for choice of unit to be used in scoring:

2. **AIR ROUTE – *NOT SCORED***
   a. List those substances to be considered for scoring: Source:

   b. Explain basis for choice of substance(s) to be used in scoring:

   c. List those management units to be considered for scoring: Source:

   d. Explain basis for choice of unit to be used in scoring:

3. **GROUNDWATER ROUTE**
   a. List those substances to be considered for scoring: Source: 1

      TPH-gasoline, TPH-diesel

   b. Explain basis for choice of substance(s) to be used in scoring:

      Analytical results from groundwater sampling indicate the presence of these hazardous substances at levels exceeding current MTCA Method A cleanup levels.

   c. List those management units to be considered for scoring: Source: 1

      Groundwater

   d. Explain basis for choice of unit to be used in scoring:

      Spills/discharges resulted in groundwater contamination

WORKSHEET 6
Groundwater Route

1.0 SUBSTANCE CHARACTERISTICS

1.2 Human Toxicity

	Substance	Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity		Value
								WOE	PF*	
1	TPH-Gasoline	5	8	3,306 rat	3	ND	-	1.0	.029	3
2	TPH-Diesel	160	4	490 rat	5	0.004	5	ND	ND	-

* *Potency Factor*

Source: 2, 3
Highest Value: 8
(Max = 10)
Plus 2 Bonus Points? No
Final Toxicity Value: 8
(Max = 12)

1.2 Mobility (use numbers to refer to above listed substances)

Cations/Anions [Coefficient of Aqueous Migration (K)] OR	Solubility (mg/L)
1=	1= TPH-gasoline: 1.8+03, Value 3
2=	2= TPH-diesel: 3.0E+01, Value 1

Source: 2, 3
Value: 3
(Max = 3)

1.3 Substance Quantity (volume):

Explain basis: 200 gallons, Estimated volume of spilled material.	Source: 1, 3 **Value: 1** (Max=10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	**Containment (explain basis):** Site is covered by a building and pavement. Score as a landfill: 1) No liner = 3; 2) Maintained cover, no ponding = 0; 3) No leachate collection system = 2.	1, 3	**5** (Max = 10)
2.2	**Net precipitation:** November 2005 through April 2006=40.62 inches. Estimated evapotranspiration rate=5.36 inches. **40.62-5.36=35.26 inches**	3, 4	**4** (Max = 5)
2.3	**Subsurface hydraulic conductivity:** loamy fine sand, $>10^{-3}$	3, 5, 6	**4** (Max = 4)
2.4	**Vertical depth to groundwater:** Confirmed release to groundwater	1, 3	**8** (Max = 8)

3.0 TARGETS

		Source	Value
3.1	**Groundwater usage:** Public supply with alternate sources, minimum hookup requirements.	3, 6	**4** (Max = 10)
3.2	**Distance to nearest drinking water well:** 2,000 **feet**	3, 6	**3** (Max = 5)
3.3	**Population served within 2 miles: √ pop. = √17,000 = 130**	3, 6	**100** (Max = 100)
3.4	**Area irrigated by (groundwater) wells within 2 miles: (0.75)*√874 acres = 22**	3, 7	**22** (Max = 50)

4.0 RELEASE

	Source	Value
Explain basis for scoring a release to groundwater: Confirmed release	1, 3	**5** (Max = 5)

SOURCES USED IN SCORING

1. Site Summary and Voluntary Cleanup Program Application, Environmental Resolutions, Inc., December 30, 2002.
2. Washington State Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
3. Washington State Department of Ecology, WARM Scoring Manual, April 1992.
4. Western Regional Climate Center, Precipitation data from the Olympia, Washington Airport, June 1948 to September 2005.
5. Soil Survey of Thurston County Washington, U.S. Dept. of Agriculture, Soil Conservation Service, 1982.
6. Thurston County Geodata Center, Roads and Transportation Division, November 2006.
7. Washington State Dept. of Ecology, Water Right Application Tracking System (WRATS), November 2006.

THURSTON COUNTY
WASHINGTON
SINCE 1852

COUNTY COMMISSIONERS
Cathy Wolfe
District One
Diane Oberquell
District Two
Robert N. Macleod
District Three

PUBLIC HEALTH AND
SOCIAL SERVICES DEPARTMENT

Sherri McDonald, RN, MPA
Director
Diana T. Yu, MD, MSPH
Health Officer

December 14, 2006

KAYO Oil Company
P.O. Box 1539
Paso Robles, CA 93447-1539

Subject: Site Hazard Assessment – BP Service Station 03158, 501 Trosper Rd. SW, Tumwater, WA 98502
Ecology Facility Site ID: 69587682

To Whom It May Concern:

The Thurston County Health Department has completed the Site Hazard Assessment (SHA) of the above referenced site as required under the Model Toxics Control Act. This site's hazard ranking, an estimation of the potential threat to human health and/or the environment relative to all other Washington state sites assessed at this time, has been determined to be a 3, where 1 represents the highest risk and 5 the lowest.

For your information, Ecology will be publishing the ranking of this and other recently assessed sites in the February 21st, 2007 Special Issue of the Site Register. The site hazard ranking will be used in conjunction with other site-specific considerations in determining Ecology's priority for future actions.

If you have any questions about the site scoring/ranking process, please contact me at 360-754-4111 ext. 6451 or Michael Spencer, Department of Ecology at 360-407-7195. For inquires regarding any further activities at your site, now that it is listed on Ecology's Hazardous Site List, please contact Cris Matthews, Southwest Regional Office (SWRO) at 360-407-6388.

Sincerely,

Bradley A. Zulewski, R.S.

Bradley A. Zulewski, R.S.
Environmental Health Specialist

cc: Michael Spencer, Washington Department of Ecology – HQ
Cris Matthews, Washington Department of Ecology – TCP-SWRO
Lisa Pearson, Washington Department of Ecology – TCP-SWRO
Dan Smith – City of Tumwater
John McCorkle – Environmental Resolutions, Inc.

SITE HAZARD ASSESSMENT
Summary Score Sheet

SITE INFORMATION:

Name: **BP Service Station 03158**
Address: **501 Trosper Road SW** City: **Tumwater** County: **Thurston** State: **WA** Zip: **98502**
Section/Township/Range: **S34/T18/R2W**
Latitude: **46° 59' 58" N** Longitude: **122° 54' 49" W**
Facility Site ID #: **69587682** Tax Parcel #: **12834430200**

Date scored/ranked: December 4, 2006.

SITE DESCRIPTION:

The site is a former Exxon gasoline station located at the southeastern corner of the intersection of Trosper Road and Tyee Drive, adjacent to U.S. Interstate 5 (See Thurston County Maps). The site is located approximately 160 feet above mean sea level in a mostly commercial area. Groundwater is located approximately 30 feet below ground surface (bgs) and generally flows towards the east. In September 1991 the property was sold to BP Oil Company and redeveloped as a BP service station. Presently, the site is operated as a 76 station which is owned by Kayo Oil Company.

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In October 1991, a subsurface investigation was conducted at the site, which was believed to be related to the recent property transaction. A total of six soil borings were completed in various areas throughout the site, four of which were completed as monitoring wells MW1 through MW4. (See Groundwater Sample Analysis Map). A total of 11 soil samples were collected during the drilling process and no Model Toxics Control Act (MTCA) Method A cleanup level exceedances were reported. Groundwater samples collected from monitoring well MW1 contained dissolved hydrocarbon concentrations exceeding MTCA Method A cleanup levels. No other MTCA exceedances were reported in groundwater.

In January 1992, six additional borings were advanced and completed as groundwater monitoring wells MW5 through MW10. Two subsurface soil samples collected from MW8 contained concentrations of TPH-gasoline and total xylenes exceeding MTCA Method A cleanup levels. Groundwater samples collected from MW1, MW4, MW5, MW6, MW8, and MW9 all contained hydrocarbon concentrations exceeding MTCA Method A cleanup levels.

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systems would be effective in reducing soil vapor concentrations. Thus, an AS/SVE system was installed and operated from 1995 to 1998, effectively removing approximately 1,091 pounds of petroleum hydrocarbon vapors.

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Table 1: Groundwater Sample Results from October 2004

Monitoring Well ID	TPH-gasoline	TPH-diesel	TPH-heavy oil	Benzene
MW1	598	<100	<100	**6.2**
MW2	156	206	**659**	1.5
MW6	**1,990**	**656**	<100	<1.0
MTCA[1]	**800**	**500**	**500**	**5.0**

Results are reported in parts per billion (ug/L)
[1]MTCA Method A cleanup level for groundwater
Bold entries indicate MTCA exceedances
< = Less than the stated laboratory reporting limit

SPECIAL CONSIDERATIONS:

Due to the contamination documented on-site being primarily subsurface, the surface water and air routes are not applicable for WARM scoring for this site. Thus, only the groundwater route will be scored.

ROUTE SCORES:

Surface Water/Human Health: **NS**
Air/Human Health: **NS**
Groundwater/Human Health: **35.4**
Surface Water/Environmental: **NS**
Air/Environmental: **NS**

OVERALL RANK: 3

WORKSHEET 2
Route Documentation

1. **SURFACE WATER ROUTE – *NOT SCORED***
   a. List those substances to be considered for scoring: Source:

   b. Explain basis for choice of substance(s) to be used in scoring.

   c. List those management units to be considered for scoring: Source

   d. Explain basis for choice of unit to be used in scoring:

2. **AIR ROUTE – *NOT SCORED***
   a. List those substances to be considered for scoring: Source:

   b. Explain basis for choice of substance(s) to be used in scoring:

   c. List those management units to be considered for scoring: Source:

   d. Explain basis for choice of unit to be used in scoring:

3. **GROUNDWATER ROUTE**
   a. List those substances to be considered for scoring: Source: 1

      TPH-gasoline, TPH-diesel

   b. Explain basis for choice of substance(s) to be used in scoring:

      Analytical results from groundwater sampling indicate the presence of these hazardous substances at levels exceeding current MTCA Method A cleanup levels.

   c. List those management units to be considered for scoring: Source: 1

      Groundwater

   d. Explain basis for choice of unit to be used in scoring:

      Spills/discharges resulted in groundwater contamination

WORKSHEET 6
Groundwater Route

1.0 SUBSTANCE CHARACTERISTICS

1.2 Human Toxicity

	Substance	Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity		Value
								WOE	PF*	
1	TPH-Gasoline	5	8	3,306 rat	3	ND	-	1.0	.029	3
2	TPH-Diesel	160	4	490 rat	5	0.004	5	ND	ND	-

* *Potency Factor*

Source: 2, 3
Highest Value: 8
(Max = 10)
Plus 2 Bonus Points? No
Final Toxicity Value: 8
(Max = 12)

1.2 Mobility (use numbers to refer to above listed substances)

Cations/Anions [Coefficient of Aqueous Migration (K)] OR	Solubility (mg/L)
1=	1= TPH-gasoline: 1.8+03, Value 3
2=	2= TPH-diesel: 3.0E+01, Value 1

Source: 2, 3
Value: 3
(Max = 3)

1.3 Substance Quantity (volume):

Explain basis: 200 gallons, Estimated volume of spilled material.	Source: 1, 3 **Value: 1** (Max=10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	**Containment (explain basis):** Site is covered by a building and pavement. Score as a landfill: 1) No liner = 3; 2) Maintained cover, no ponding = 0; 3) No leachate collection system = 2.	1, 3	**5** (Max = 10)
2.2	**Net precipitation:** November 2005 through April 2006=40.62 inches. Estimated evapotranspiration rate=5.36 inches. **40.62-5.36=35.26 inches**	3, 4	**4** (Max = 5)
2.3	**Subsurface hydraulic conductivity:** loamy fine sand, $>10^{-3}$	3, 5, 6	**4** (Max = 4)
2.4	**Vertical depth to groundwater:** Confirmed release to groundwater	1, 3	**8** (Max = 8)

3.0 TARGETS

		Source	Value
3.1	**Groundwater usage:** Public supply with alternate sources, minimum hookup requirements.	3, 6	**4** (Max = 10)
3.2	**Distance to nearest drinking water well:** 2,000 **feet**	3, 6	**3** (Max = 5)
3.3	**Population served within 2 miles: √ pop. = √17,000 = 130**	3, 6	**100** (Max = 100)
3.4	**Area irrigated by (groundwater) wells within 2 miles: (0.75)*√874 acres = 22**	3, 7	**22** (Max = 50)

4.0 RELEASE

	Source	Value
Explain basis for scoring a release to groundwater: Confirmed release	1, 3	**5** (Max = 5)

SOURCES USED IN SCORING

1. Site Summary and Voluntary Cleanup Program Application, Environmental Resolutions, Inc., December 30, 2002.
2. Washington State Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
3. Washington State Department of Ecology, WARM Scoring Manual, April 1992.
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7. Washington State Dept. of Ecology, Water Right Application Tracking System (WRATS), November 2006.

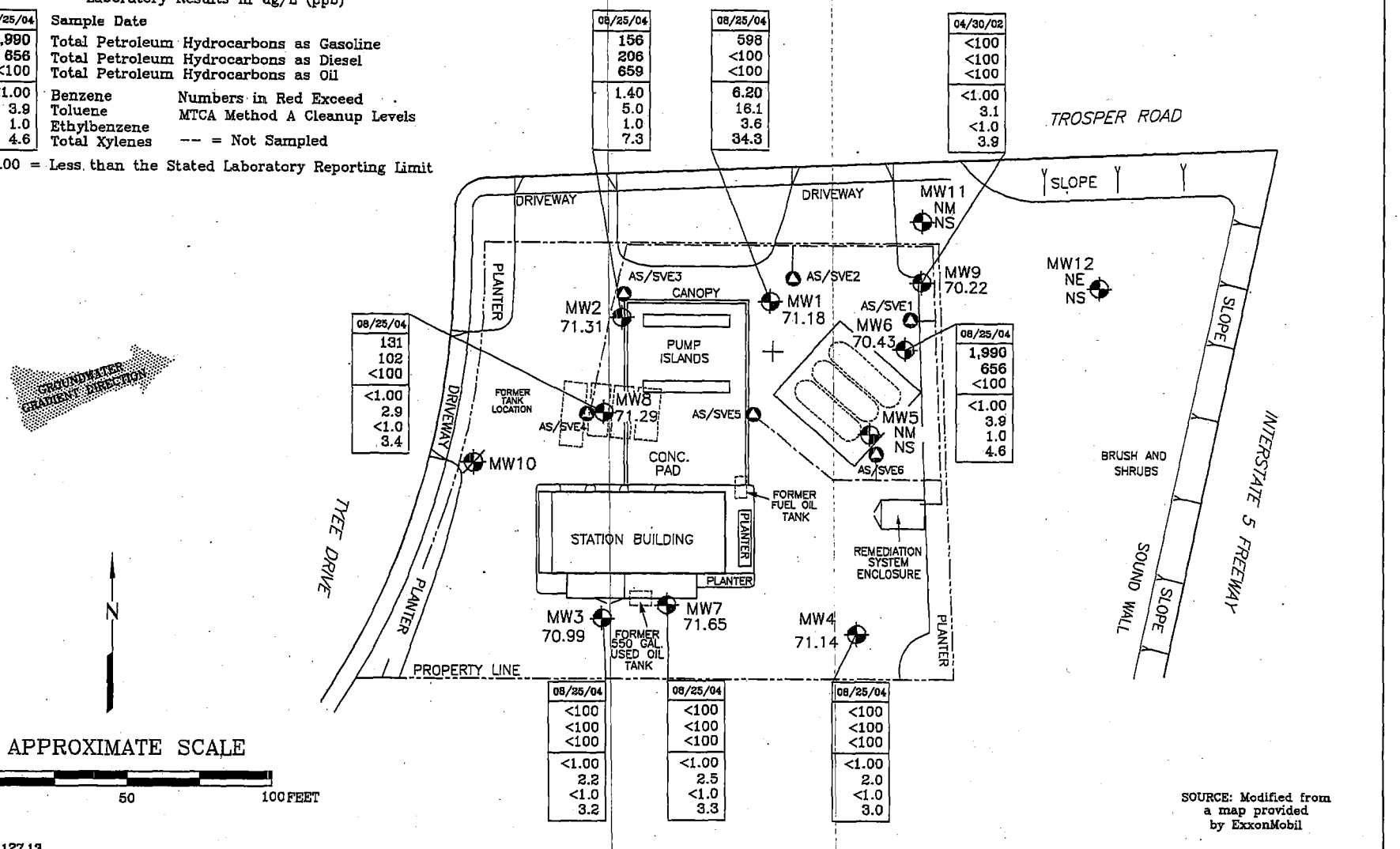
Laboratory Results in ug/L (ppb)

08/25/04	Sample Date
1,990	Total Petroleum Hydrocarbons as Gasoline
656	Total Petroleum Hydrocarbons as Diesel
<100	Total Petroleum Hydrocarbons as Oil
<1.00	Benzene
3.9	Toluene
1.0	Ethylbenzene
4.6	Total Xylenes

Numbers in Red Exceed MTCA Method A Cleanup Levels

-- = Not Sampled

<1.00 = Less than the Stated Laboratory Reporting Limit



SOURCE: Modified from a map provided by ExxonMobil

FN 31127.13

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER SAMPLE ANALYSIS MAP - 08/25/04

FORMER EXXON STATION 7-7134

501 Trosper Road

Tumwater, Washington

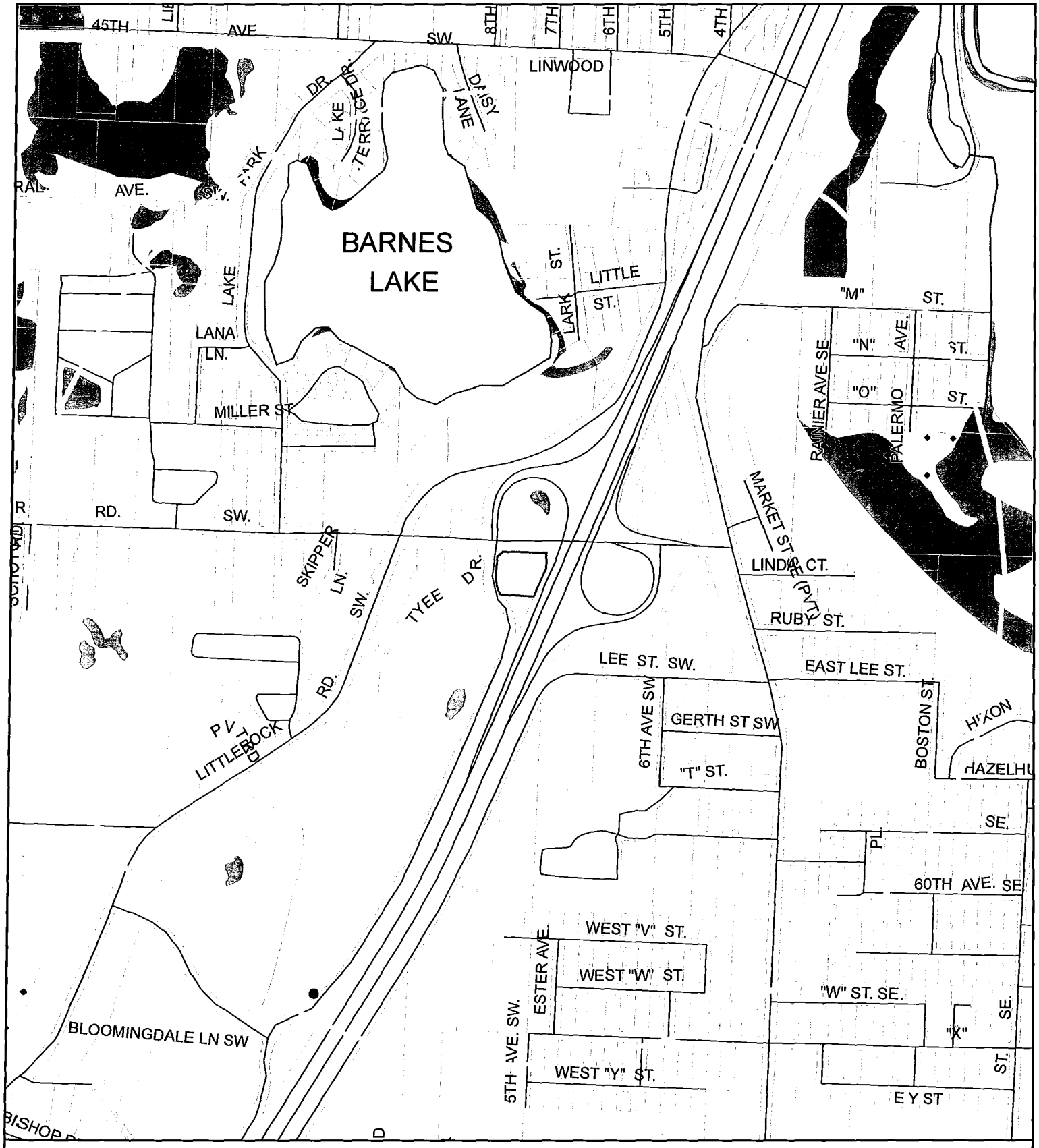
EXPLANATION

- MW1 / 71.18 — Groundwater Monitoring Well / Groundwater Elevation
- NM — Not Measured
- NS — Not Sampled
- MW10 — Destroyed Groundwater Monitoring Well
- System Piping Trench Layout
- AS/SVE1 — AIR Sparge/Soil Vapor Extraction Well Location

PROJECT NO. 31127

PLATE 2

YN: 09/03/04



1/2 Mile Radius from Site
BP Service Satation 03158
Wetland
Well
Sensitive Species Location
Stream
Parcel
Roads

BP Service Station 03158
Ecology Site 69587682

Apprximate Population (2000 Census) within Radius: 1870

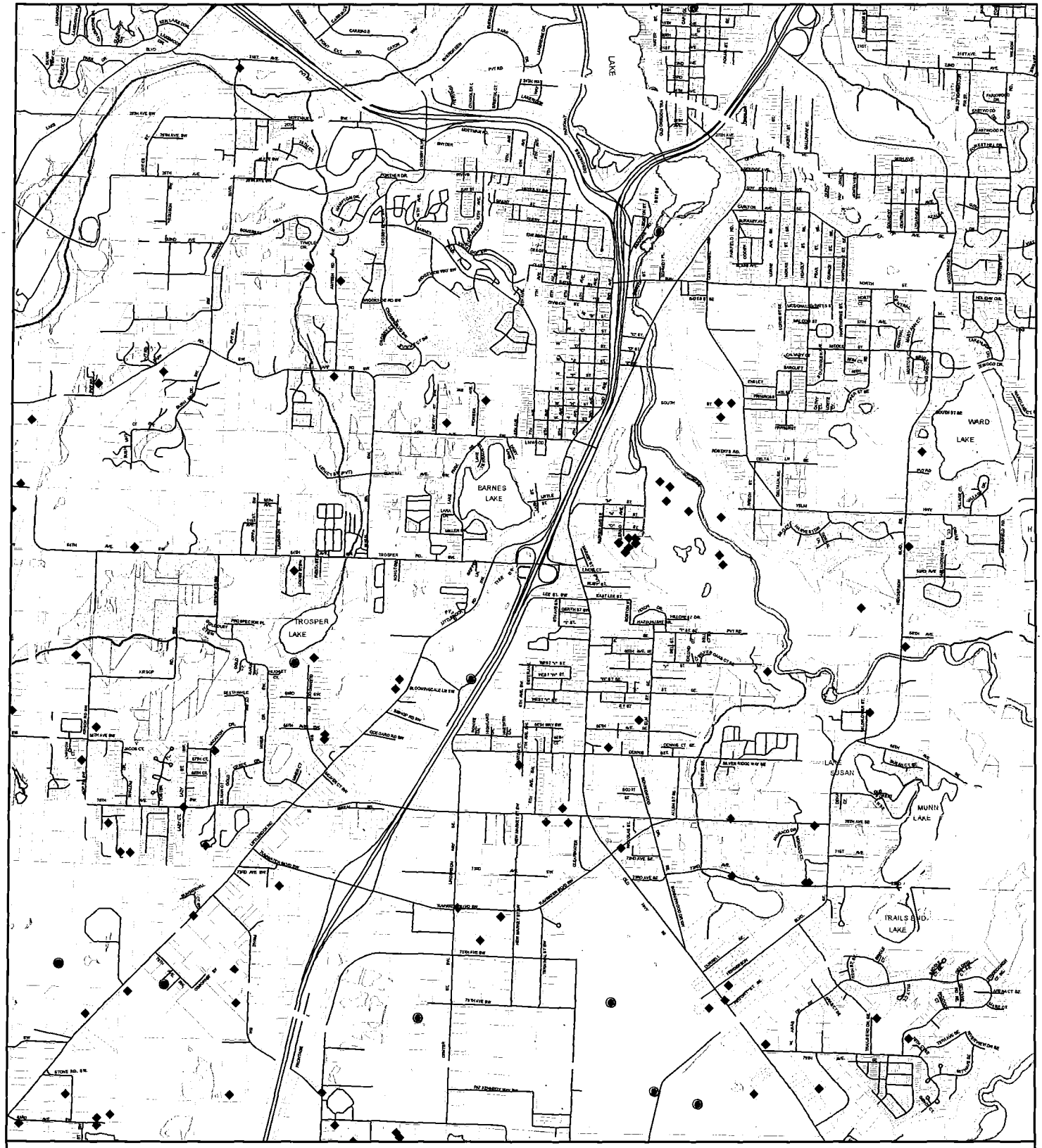
1 inch equals 700 feet

0 0.125 0.25 Miles

N W E S

Thurston County GeoData Center

Map Created on 11/13/06 abc



Two Mile Radius from Site
BP Service Satation 03158
Wetland
Well
Sensitive Species Location
Stream
Parcel
Roads

BP Service Station 03158
Ecology Site 69587682

Apprximate Population (2000 Census) within Radius: 17,000

0 0.5 1 Miles

N W E S

Thurston County GeoData Center

Map Created on 11/13/06 abc

THURSTON COUNTY

SITE ID:	**7 ELEVEN FOOD STORE 230314479M**	Cleanup Site ID: 6958	FS ID: 97196866
	Alternate Name(s):	7 ELEVEN FOOD STORE 230314479M, 7 ELEVEN STORE 14479, 7-ELEVEN 2303-14479-M	

LOCATION:		WRIA: 13	Lat/Long:	46.999	-122.908	View Vicinity Map
Address:	5310 CAPITOL BLVD SE		Township	Range	Section	Legislative District: 22
	TUMWATER 98501		18N	2W	34	Congressional District: 10

STATUS:	**No Further Action**	Rank:	View Site Web Page	View Site Documents
	Responsible Unit: Southwest	Site Manager: Rose, Scott	Statute: MTCA	
	Is Brownfield?	Has Environmental Covenant?	Is PSI Site?	
	NFA Received? Yes	NFA Date: 12/2/2014	NFA Reason: NFA-Voluntary Cleanup Program Review	

ASSOCIATED CLEANUP UNIT(s)

cuID	Cleanup Unit Name	Unit Type	Process Type	Unit Status	Size (Acres)	ERTS ID
6686	7-Eleven Food Store #2303-14479	Upland	Voluntary Cleanup Program	No Further Action Required		

SITE ACTIVITIES:

Applies to:	Related ID (Unit-LUST-VCP)	Activity Display Name	Status	Start Date	End Date	Legal Mechanism	Performed By	Project Manager
CleanupSite		Site Discovery/Release Report Received	Completed	9/18/2006	9/18/2006			Johnston, Carol
CleanupSite		Site Status Changed to NFA	Completed	12/2/2014	12/2/2014			Rose, Scott
LUST		LUST - Notification	Completed	4/30/2002	4/30/2002			Johnston, Carol
LUST		LUST - Site Characterization Report	Completed	5/5/2004	5/5/2004			
LUST		LUST - Site Characterization Report	Completed	6/29/2004	6/29/2004			
LUST		LUST - Site Characterization Report	Completed	6/14/2002	6/14/2002			
LUST		LUST - Site Characterization Report	Completed	10/19/2007	10/19/2007			
LUST		LUST - Report Received	Completed	3/16/2003	3/16/2003			
LUST		LUST - Report Received	Completed	10/7/2002	10/7/2002			
LUST		LUST - Report Received	Completed	1/29/2009	1/29/2009			
LUST		LUST - Report Received	Completed	7/30/2003	7/30/2003			
LUST		LUST - Report Received	Completed	4/25/2011	4/25/2011			
LUST		LUST - Report Received	Completed	3/23/2015	3/23/2015			

LUST		LUST - Report Received	Completed	11/24/2003	11/24/2003			
LUST		LUST - Report Received	Completed	1/27/2003	1/27/2003			
LUST		LUST - Report Received	Completed	5/19/2006	5/19/2006			
LUST		LUST - Report Received	Completed	1/27/2005	1/27/2005			
LUST		LUST - Report Received	Completed	7/28/2009	7/28/2009			
LUST		LUST - Report Received	Completed	8/21/2012	8/21/2012			
LUST		LUST - Report Received	Completed	6/14/2013	6/14/2013			
VcpProject	SW0956	VCP Opinion on Remedial Investigation Work Plan	Completed	5/9/2012				Rose, Scott
VcpProject	SW0956	VCP Opinion on Remedial Investigation	Completed	5/1/2008	6/3/2008			Rose, Scott
VcpProject	SW0956	VCP Opinion on Feasibility Study	Completed	6/3/2009	9/10/2009			Rose, Scott
VcpProject	SW0956	VCP Opinion on Site Cleanup	Completed	7/21/2014	12/2/2014			Rose, Scott

AFFECTED MEDIA & CONTAMINANTS:

Media:

Contaminant:	Ground Water	Surface Water	Soil	Sediment	Air	Bedrock
Non-Halogenated Solvents	RB		RB			
Petroleum Products-Unspecified	B					
Petroleum-Gasoline			RB			

Key:
B - Below Cleanup Level
C - Confirmed Above Cleanup Level
S - Suspected
R - Remediated
RA - Remediated-Above
RB - Remediated-Below

CleanupSiteDetails2014

010982

PURPOSE AND SCOPE

Our purpose on the site was to observe and document environmental conditions during the removal of excavated soils and underground storage tanks. Our specific objectives were:

1. Observe and document underground storage tank removal;
2. Observe and document the excavation of soils suspected of containing elevated concentrations of petroleum hydrocarbons;
3. Conduct on-site screening of soils utilizing a portable organic vapor meter (OVM) equipped with photoionization detector (PID), olfactory sensing and visual observations to assist in the identification of soils suspected of containing elevated concentrations of petroleum hydrocarbons;
4. Obtain discrete and composite soil samples from the various excavations for laboratory analysis of suspected petroleum hydrocarbon constituents at the lateral and vertical limits of the excavations.
5. Preparation of this report.

SITE DESCRIPTION

Tank removal procedures were initiated on 17 December 1990 and were completed on 18 December 1990 at Drew's Mobil Station, located on the northwest corner of Trosper Road and Capitol Boulevard, Tumwater, Washington (see Vicinity Map Figure 1). The site is generally flat but dips slightly to the north. Prior to initiation of excavation procedures, the site consisted of: a station building with office and attached two-bay garage; two pump islands with a single canopy; two steel underground storage tanks (USTs) containing gasoline, one steel UST containing diesel, one steel UST containing waste oil and one concrete vault containing service bay-drained sludge deposits (dry-well). In addition, the station operated a U-HAUL rental business with the truck and trailer parking area located north of the station building. During our investigation, the garage was in use along with the U-HAUL rental business. The canopy over the pump islands was removed during tank excavation procedures, as the gasoline and diesel underground storage tanks were located directly adjacent to the pump islands. Business and land-use adjacent to the subject property consist of a restaurant to the west, owned by the service station property owner, a grocery store parking lot to the north, a Texaco service station and bank to the northeast and east, and a fast-food restaurant to the south.

Historically, the site has been in operation as a service station since the mid-1950's. This information was provided by the station operator, Mr. Norm Drew. Apparently, no tank replacements have ever occurred. However, the unleaded gasoline UST was installed at an unspecified time after the introduction of unleaded fuel. No

reports of spills or leakage are known to have occurred on-site during the station's operation.

EXCAVATION AND TANK REMOVAL OBSERVATIONS

An environmental geologist representing Rittenhouse-Zeman and Associates (RZA) arrived on-site, following the request of Mr. Kip Lange of George W. Johnson Realty, to observe and document the removal of UST's present on-site. Tank removal operations were completed by Harold's Petroleum Equipment of Centralia, Washington. The three fuel UST's appeared to have maintained their structural integrity. No holes or punctures were apparent in any of these three tanks. However, the north end of the waste oil tank was observed to be missing upon removal, the details of which are described in a latter section of this report. In addition, a dry-well was discovered during overexcavation and additional soil sampling in late January. The discussion of the dry well excavation is also described in a latter section of this report.

Our understanding of the types of tanks removed, tank content and estimated capacities are summarized in Table 1. The approximate former location of these tanks with and corresponding limits of excavation are shown in Figure 2, and Figure 3. Groundwater was not encountered during tank excavations. However, an unmarked 1-inch diameter water main was damaged several times during tank removal operations on the west end of the gasoline tank excavation. The City of Tumwater Public Works Department responded promptly to repair the broken main.

During tank removals, field screening of soils for the presence of volatile organic vapors was conducted using an Organic Vapor Meter (OVM) with a 10.0 eV lamp. Although the OVM is not capable of quantifying or identifying specific organic compounds encountered in the field, this instrument is capable of measuring relative concentrations of a variety of organic vapors with ionization potentials less than the energy of the ultraviolet source, in this case, 10.0 eV. As such, the OVM is useful for providing qualitative information with respect to the presence of organic vapors. The results of these field screenings using the OVM are summarized in Table 2.

GASOLINE TANK EXCAVATION

The diesel tank/gasoline tanks excavation was located on the southern portion of the site, south of the station building. The two gasoline tanks, and one diesel tank, were constructed of uncoated steel, contained regular grade unleaded and regular grade leaded gasolines, and diesel fuel.

After the upper surface of the three underground storage tanks (USTs) were exposed, the tanks were vacuumed of remaining product, cleaned with an industrial detergent and placed in an inert state

by injecting CO2 in each of the tanks. The tanks were removed following inspection by a building safety inspector for the City of Tumwater. Upon removal, each tank was inspected by an RZA field representative for pitting, scaling and holes. Although scaling and moderate pitting were observed on approximately 90 percent of the surface of each of the three underground storage tanks, no holes were visually apparent in any of the tanks.

Because the diesel and regular leaded gasoline tanks were located adjacent to the pump islands and below the pump island canopy, the canopy was demolished prior to tank removal. The primary reason for this was safety. There was a potential for excavation sidewall slump and subsequent canopy collapse. In addition, the canopy was removed to allow maneuverability of the track-hoe to excavate petroleum hydrocarbon impacted soil from the tank excavation perimeter and below the pump islands.

During original excavation, the soils removed exhibited both discoloration and slight to moderate hydrocarbon odors. The discoloration and hydrocarbon odors generally were found at the base of the three tanks, with odors and discoloration greatest below the tank fill ports. Observations regarding petroleum hydrocarbon odor are subjective data. The presence of or ability to detect petroleum hydrocarbon odors is dependent upon climatic factors (temperature,wind,etc.) as well as the observer's olfactory sensitivity.

During excavation, an unmarked one inch diameter steel water main was broken on the west side of the excavation. The City of Tumwater Public Works Department arrived promptly to shut the main flow valve off and to repair the line. In addition, an unmarked, apparently unused 4-inch diameter ceramic drain line trending east-west at an approximate depth of 7 feet was inadvertently broken, and an incorrectly marked phone line was damaged during excavation procedures.

The finished excavation is shown on Figures 2&3. The final depth of the gasoline tank excavation was approximately 7-8 feet.

WASTE OIL TANK EXCAVATION

A 500 gallon waste oil UST was removed from the site on 18 December 1990. During excavation procedures and subsequent removal, it was observed that the north end of the waste oil tank was missing. The tank construction was not single piece but rather a steel hollow cylinder with a steel cap tack welded onto each end. It appeared that the north cap of the tank structurally failed prior to removal and an unknown volume of waste oil leaked into the soil below the tank. Because of the large hole on the north end of the tank, extremely careful efforts were made to remove the tank without spilling the contents. However, during removal, the backhoe bucket slipped off the tank and approximately 5 gallons of waste oil spilled out onto approximately one yard of stockpiled soil. The

excavation crew immediately responded to the cleanup, placing sorbent pads on the spill to soak up the oil. Approximately 20 gallons of waste oil remaining in the tank was pumped off and the tank was cleaned and disposed of by Harold's Petroleum Equipment. After removal of the tank, the excavation was squared off to approximately 6 feet wide by 15 feet long by 8 feet deep. Soil samples were collected from each sidewall, below the tank and from the stock pile to analyze for petroleum hydrocarbon constituents as shown in Figure 2 - Site and Exploration Plan.

PUMP ISLAND EXCAVATION

On December 27, 1990, the pump islands and canopy post pier blocks were removed. Soil did not appear to be impacted by petroleum hydrocarbons below the east pump island. However, soil below the west pump island at a depth of 2 feet was stained dark gray and had a strong petroleum hydrocarbon odor. After laboratory results of a soil sample indicated elevated concentrations of petroleum hydrocarbons, the excavation was deepened to a depth of 25 feet. High OVM readings and detectible odors were present to this depth. An additional three soil samples were collected and analyzed for petroleum hydrocarbons to characterize the impacted soils below the west pump island.

DRY WELL EXCAVATION

During disposal of stockpiled soils to Fife Sand and Gravel on 21 January 1991, a circular upwelling of asphalt approximately 3-4 feet in diameter was pointed out by the backhoe operator. The upwelling had not been observed previous, but during the process of loading the trucks with soil, the shovel of the backhoe had scraped over the area, thus outlining the upwelling. Mr Kip Lange of George W. Johnson Reality was on site and requested that the asphalt over the upwelling be removed to investigate the source below. Upon removal of the asphalt, a 4-inch thick, approximately 3-feet in diameter concrete lid was discovered. The lid was removed and a concrete dry-well filled with water and sludge was discovered. The water was pumped off by Coastal Environmental Services, and approximately 40 gallons of oily sludge was removed from the well and placed in a 55 gallon drum with a locking lid. Following removal of the sludge, the dry well was lifted out of the ground. It was observed to be a section of concrete culvert pipe approximately 3-feet in diameter, 5 feet long, approximately 4-inches thick, with 1-inch holes drilled along the outside, and no bottom.

The soil around and below the dry-well to a depth of approximately 8 feet was strained dark gray and had a strong oil and solvent odor (like paint thinner). A sandy layer below was stained green and had the same odor. A soil sample was collected from below the dry well in the green sand and from the dark gray-stained soil stockpile for laboratory analyses. After laboratory analyses of soil samples

indicated elevated levels of petroleum hydrocarbons, five test pits were excavated around the dry-well on 5 and 6 March 1991 to characterize the vertical and horizontal extent of impacted soils. Two soils samples were collected from each test pit, one from within a horizon stained green and one below. Field observations indicated that the thickness of impacted soil decreased away from the center of the dry well. Soil in the farthest side walls of the north south, west and east test pits exhibited a layer of discoloration approximately 1 foot in thickness. Field screening methods, including observation of soil discoloration, olfactory impressions and OVM readings indicated that the vertical extent of impacted soils appeared to be characterized. This was further evidenced by a very dense, light brown silty sand layer encountered below the loosely consolidated sand layer discolored green. The dense layer had no odor and increased in depth to the east. An additional ten discreet soils samples were collected to characterize remaining impacted soils.

HYDRAULIC HOIST REMOVAL

On 4 March 1991, the station building was demolished and the two hydraulic hoists removed. On 5 March 1991, RZA arrived on site to collect soil samples from below the hydraulic hoists. One sample was collected for each hoist from an approximate depth of 8 feet. No discoloration or odors were observed.

FLOOR DRAIN/SUMP REMOVAL

During station demolition on 4 March 1991, a floor drain/sump was discovered behind the office and restrooms. The dimensions of the drain/sump were approximately 2 feet wide by 3 feet long by 2 feet deep. According to demolition crew personnel, sludge in the sump had a strong oil and solvent odor. The sump was removed and disposed of by Harold's Petroleum Equipment. On 5 March 1991, RZA arrived on site, learned of the drain/sump discovery and collected two soil samples from the area on 6 March 1991.

SUBSURFACE CONDITIONS

The soils underlying the subject site consisted of an upper layer (surface to a depth of approximately 8 feet) of dark brown sandy silt interpreted as fill (as evidenced by the presence of broken bottles, wood debris and other foreign matter), a middle layer (depth of 8 feet to 34+ feet) of loosely consolidated light brown fine to coarse sands, and a lower layer of very dense, light brown to orange brown silty sands. The two lower units are interpreted to be glacial recessional outwash sands.

QUANTITATIVE LABORATORY ANALYSIS

Soil samples were collected from each excavation to characterize site soils with respect to petroleum hydrocarbon constituents. Soils to be submitted for laboratory analysis were collected in laboratory prepared glass sample jars. The jars were fitted with Teflon-lined lids to help reduce the loss of volatile analytes from the sample. After collection, the samples were stored in coolers until being transported to the laboratory for analysis. Rittenhouse-Zeman & Associates, Inc. chain-of-custody procedures were maintained to document sample integrity.

Soil samples collected from the gasoline tank and pump island excavations were analyzed for total petroleum hydrocarbons (TPH) by EPA Method 8015 modified and for the volatile aromatic compounds benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020.

All soils samples collected from the waste oil tank and dry well excavations were analyzed for TPH by EPA 418.1. This method is used to identify heavy-end petroleum hydrocarbons from non-gasoline sources. In addition, one soil sample from below the waste oil tank and one sample from the waste oil tank excavation stockpile were analyzed for: BTEX and TPH by methods EPA 8020 and modified EPA method 8015; the metals Arsenic, Barium, Cadmium, Chromium, Mercury, Lead, Selenium and Silver by Toxicity characteristic containment leaching procedure (TCLP) by EPA methods 1311 and AES 0029; PCB's by EPA method 8080; and a Halogenated Solvent Scan by EPA Method 8240.

All soil samples collected from the dry well excavation were analyzed for TPH by EPA 418.1, and a stockpile soil sample was analyzed for TPH by 418.1, the previously mentioned TCLP metals, PCB's, TPH by modified EPA 8015 and total volatile organics by EPA 8240.

Soil samples collected from the hydraulic hoists and floor drain/sump were analyzed for TPH by EPA 418.1, and a soil sample from the floor drain/sump was analyzed for chlorinated compounds with an EPA 8240 Solvent Scan.

Analyte concentrations presented in Table 3 are concentrations measured in soil samples collected from excavation limits. It is believed that these concentrations are representative of petroleum hydrocarbon-impacted soil at the time they were collected.

Copies of the analytical laboratory certificates are presented in Appendix A. Soil sample locations and a summary of the analytical laboratory results are shown in Table 3.

The Washington Model Toxics Control Act (MTCA) compliance cleanup level for TPH and benzene in gasoline contaminated soils is 100 parts per million (ppm) and 0.5 ppm, respectively. Cleanup criteria for non-gasoline TPH is 200 ppm.
A summary of the current draft compliance cleanup levels for selected petroleum hydrocarbon contaminants is shown in Table 3.

TPH concentrations exceeding the MTCA cleanup level for TPH in the gasoline and diesel range (modified EPA method 8015) were measured in S-13 (below the west pump island) and S-20C (gasoline/diesel tank excavation stockpile composite) which contained 2,652 ppm and 1,792 ppm, respectively. Of the TPH in soil sample S-20C, 1,643 ppm was diesel and 149 ppm was gasoline. Soil samples S-21, S-23 and S-24 that were collected to characterize the gasoline-impacted soil below the west pump island showed concentrations of TPH below method detection limits.

Soil samples that contained concentrations of non-gasoline, heavy-end TPH analyzed by EPA 418.1 and exceeding MTCA cleanup levels were S-17 (collected from below waste oil), S-19c (composite collected from waste oil excavation stockpile), s-26c (composite collected from dry well excavation stockpile) and S-27 (collected from below dry well), S-29 (collected from dry well vicinity west test pit), s_31 (collected from dry well vicinity north test pit), S-33 (collected from dry well vicinity west test pit), S-35 (collected from below dry well), and S-39 (collected from below floor drain sump).

DISPOSAL OF EXCAVATED SOILS

Excavated soils determined to contain concentrations of petroleum hydrocarbons above MTCA cleanup criteria were hauled to Fife Sand and Gravel, in Fife, Washington. Soils hauled from the gasoline tanks/diesel tank excavation were separated from soils hauled from the waste oil and dry well excavations.

CONCLUSIONS

A total of approximately 750 cubic yards of soils which were affected by petroleum hydrocarbons were removed from the site, transported to and stockpiled at Fife Sand and Gravel.

Based on field screening techniques and laboratory results of representative soil samples, the remaining soil left beneath the former gasoline/diesel USTs, pump islands, waste oil tank, hydraulic hoists and floor drain/sump contain petroleum hydrocarbons concentrations below MTCA clean-up criteria.

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Mail Stop PV-11 » Olympia, Washington 98504-8711 » (206) 459-6000

November 16, 1990

Mr. Justice Utter
7016 15th Ave. N.W.
Seattle, WA 98117

Dear Mr. Utter:

This is to acknowledge receipt of your 30-day notice of intent to close underground storage tank(s) located at 110 Trosper Road, Tumwater, Washington.

We received your letter on November 15, 1990.

Your 30-day notice has been forwarded to the appropriate regional office. Field people with the Underground Storage Tank Program may visit your site within the 30-day period. However, with the many tank closures now taking place, it will not be possible to visit every site. If you have not been contacted by the time thirty days have elapsed from the date we received your notice letter (noted above), you may proceed with closure.

If you did not request a full closure packet, but would like to receive one, you may do so by calling 1-800-826-7716 (in Washington state only) or 206-459-6293. This closure packet contains a form entitled "Notice of Permanent Closure of Underground Storage Tank(s)". For your convenience, we have enclosed a copy of this form. Please complete this form and return it to the Department of Ecology when tank closure is complete.

Sincerely,

Sue L. Simms
Regulatory Specialist

SLS:sd

Enclosure

10982
11263

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

ECOLOGY

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closure activities. It must be signed and dated by either the owner/operator of the UST to be closed or his/her authorized representative. (This could be the firm contracted to do the work.) Ecology will notify the identified person of the earliest date closure/decommissioning activities may commence.

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
RECEIVED
NOV 15 1990

For questions on completing this form please call (206) 459-6293.

Please type or use ink.

The completed checklist should be mailed to:
Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. TANK OWNER AND LOCATION

UST Owner/Operator: (OWNER) JUSTICE ROBERT UTTER MR. KIP LANGE (AGENT)

Owners Mailing Address: 7016 15th AVE NW (Street) P.O. Box
SEATTLE, WA (City) (State) 98117 (Zip Code)

Telephone: (206) 782-5900

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: DREW'S MOBIL

Site Address: 110 TROSPER ROAD CORNER OF TROSPER RD. & OLD HWY 99 (Street) County
TUMWATER, WA 98501 (City) (State) (Zip Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (if known):

Firm: RITTENHOUSE - ZEMAN & ASSOC., INC.

Address: 1400 140th AVE N.E. (Street) P.O. Box
BELLEVUE, WA. (City) (State) 98005-4594 (Zip Code)

Telephone: (206) 746-8020 Contact Name: KURT GROESCH, DAVE COOPER

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
#1	12/20/90	8,000 gal	UNKNOWN	
2	✓	8,000	✓	
3	✓	8,000	✓	

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE

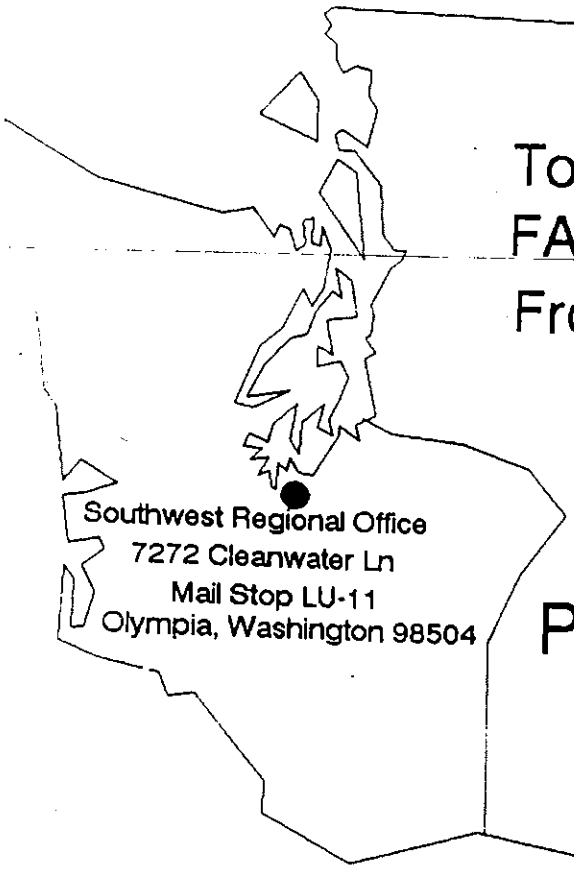
[signature] 11/15/90
Signature Title

ECY 101-185 11/90

FAX Cover Sheet

Date: 2/28/92
Time: 10:00
Pages: 19

Washington State Department of Ecology



To: Dan Fishman
FAX No.: (619) 558-0600
From: Lynn Gooding

Southwest Regional Office
7272 Cleanwater Ln
Mail Stop LU-11
Olympia, Washington 98504

Phone (206) 753-2353
FAX (206) 753-8531

This machine is a Harris/3M Facsimile
This Machine receives Group I, II, and III

Comments: Dan: This is the bulk of the report, I left out the sample results which were "clean".

Sincerely,
Lynn Gooding

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SITE DESCRIPTION

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After the upper surface of the three underground storage tanks (USTs) were exposed, the tanks were vacuumed of remaining product, cleaned with an industrial detergent and placed in an inert state

by injecting CO2 in each of the tanks. The tanks were removed following inspection by a building safety inspector for the City of Tumwater. Upon removal, each tank was inspected by an RZA field representative for pitting, scaling and holes. Although scaling and moderate pitting were observed on approximately 90 percent of the surface of each of the three underground storage tanks, no holes were visually apparent in any of the tanks.

Because the diesel and regular leaded gasoline tanks were located adjacent to the pump islands and below the pump island canopy, the canopy was demolished prior to tank removal. The primary reason for this was safety. There was a potential for excavation sidewall slump and subsequent canopy collapse. In addition, the canopy was removed to allow maneuverability of the track-hoe to excavate petroleum hydrocarbon impacted soil from the tank excavation perimeter and below the pump islands.

During original excavation, the soils removed exhibited both discoloration and slight to moderate hydrocarbon odors. The discoloration and hydrocarbon odors generally were found at the base of the three tanks, with odors and discoloration greatest below the tank fill ports. Observations regarding petroleum hydrocarbon odor are subjective data. The presence of or ability to detect petroleum hydrocarbon odors is dependent upon climatic factors (temperature,wind,etc.) as well as the observer's olfactory sensitivity.

During excavation, an unmarked one inch diameter steel water main was broken on the west side of the excavation. The City of Tumwater Public Works Department arrived promptly to shut the main flow valve off and to repair the line. In addition, an unmarked, apparently unused 4-inch diameter ceramic drain line trending east-west at an approximate depth of 7 feet was inadvertently broken, and an incorrectly marked phone line was damaged during excavation procedures.

The finished excavation is shown on Figures 2&3. The final depth of the gasoline tank excavation was approximately 7-8 feet.

WASTE OIL TANK EXCAVATION

A 500 gallon waste oil UST was removed from the site on 18 December 1990. During excavation procedures and subsequent removal, it was observed that the north end of the waste oil tank was missing. The tank construction was not single piece but rather a steel hollow cylinder with a steel cap tack welded onto each end. It appeared that the north cap of the tank structurally failed prior to removal and an unknown volume of waste oil leaked into the soil below the tank. Because of the large hole on the north end of the tank, extremely careful efforts were made to remove the tank without spilling the contents. However, during removal, the backhoe bucket slipped off the tank and approximately 5 gallons of waste oil spilled out onto approximately one yard of stockpiled soil. The

TPH concentrations exceeding the MTCA cleanup level for TPH in the gasoline and diesel range (modified EPA method 8015) were measured in S-13 (below the west pump island) and S-20C (gasoline/diesel tank excavation stockpile composite) which contained 2,652 ppm and 1,792 ppm, respectively. Of the TPH in soil sample S-20C, 1,643 ppm was diesel and 149 ppm was gasoline. Soil samples S-21, S-23 and S-24 that were collected to characterize the gasoline-impacted soil below the west pump island showed concentrations of TPH below method detection limits.

Soil samples that contained concentrations of non-gasoline, heavy-end TPH analyzed by EPA 418.1 and exceeding MTCA cleanup levels were S-17 (collected from below waste oil), S-19c (composite collected from waste oil excavation stockpile), s-26c (composite collected from dry well excavation stockpile) and S-27 (collected from below dry well), S-29 (collected from dry well vicinity west test pit), s_31 (collected from dry well vicinity north test pit), S-33 (collected from dry well vicinity west test pit), S-35 (collected from below dry well), and S-39 (collected from below floor drain sump).

DISPOSAL OF EXCAVATED SOILS

Excavated soils determined to contain concentrations of petroleum hydrocarbons above MTCA cleanup criteria were hauled to Fife Sand and Gravel, in Fife, Washington. Soils hauled from the gasoline tanks/diesel tank excavation were separated from soils hauled from the waste oil and dry well excavations.

CONCLUSIONS

A total of approximately 750 cubic yards of soils which were affected by petroleum hydrocarbons were removed from the site, transported to and stockpiled at Fife Sand and Gravel.

Based on field screening techniques and laboratory results of representative soil samples, the remaining soil left beneath the former gasoline/diesel USTs, pump islands, waste oil tank, hydraulic hoists and floor drain/sump contain petroleum hydrocarbons concentrations below MTCA clean-up criteria.

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

May 16, 1996

attn: David Cubbe

Dear ~~Underground Storage~~ Tank Owner:

We recently received information on the following site and tank(s) which indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater

Site No: 010982 Tank Ids: 1, 2 and 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues relating to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist

For tanks closed after March 1, 1991:

✓ Closure and Site Assessment Notice

✓ Site Check/Site Assessment Checklist

✓ One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization needs to be sent to the Ecology regional office that services the country the site is located in.

Please complete the forms and return them to:

Washington State Department of Ecology
Underground Storage Tank Unit
PO Box 47655
Olympia, WA 98504-7655

Thank you for your cooperation. If you have any questions, please call me at (360) 407-7206.

Sincerely,

Joyce M. Smith

Joyce M. Smith
Permit & Compliance Assistance Unit
Toxics Cleanup Program

Enclosure(s) 1st Request 4/19/95

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

MAY 10, 1996
PAGE 1 OF 1

SECOND NOTICE

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

RE: SITE NO. 010982

INVOICE NUMBER: UST15619
CUSTOMER ID: U0008086
INVOICE AMOUNT: $ 180.00
INVOICE PAID: $ 0.00
INVOICE ADJUST: $ 0.00
INVOICE DUE: $ 180.00

JACK N THE BOX (DREWS MOBIL)
110 TROSPER RD
TUMWATER WA 985014411

BILLING DATE: 11-01-1990
DUE DATE: 12-31-1990
LATE1 DATE: 02-01-1991
LATE2 DATE: 03-01-1991

REC/ADJ #	DATE POSTED	STATUS	CAT	AMOUNT	CHECK #	CJ #	REMITTER
	11-01-1990	AR-DR		$180.00			

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

MAY 10, 1996
PAGE 1 OF 1

SECOND NOTICE

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

RE: SITE NO. 010982

INVOICE NUMBER: UST26289
CUSTOMER ID: U0008086
INVOICE AMOUNT: $ 225.00
INVOICE PAID: $ 0.00
INVOICE ADJUST: $ 0.00
INVOICE DUE: $ 225.00

JACK N THE BOX (DREWS MOBIL)
110 TROSPER RD
TUMWATER WA 985014411

BILLING DATE: 11-01-1991
DUE DATE: 12-31-1991
LATE1 DATE: 02-03-1992
LATE2 DATE: 04-01-1992

REC/ADJ #	DATE POSTED	STATUS	CAT	AMOUNT	CHECK #	CJ #	REMITTER
	11-01-1991	AR-DR		$225.00			

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

MAY 10, 1996
PAGE 1 OF 1

SECOND NOTICE

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

RE: SITE NO. 010982

INVOICE NUMBER: UST35494
CUSTOMER ID: U0008086
INVOICE AMOUNT: $ 225.00
INVOICE PAID: $ 0.00
INVOICE ADJUST: $ 0.00
INVOICE DUE: $ 225.00

JACK N THE BOX (DREWS MOBIL)
110 TROSPER RD
TUMWATER WA 985014411

BILLING DATE: 11-02-1992
DUE DATE: 12-31-1992
LATE1 DATE: 02-01-1993
LATE2 DATE: 03-01-1993

REC/ADJ #	DATE POSTED	STATUS	CAT	AMOUNT	CHECK #	CJ #	REMITTER
	11-02-1992	AR-DR		$225.00			

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

MAY 10, 1996
PAGE 1 OF 1

SECOND NOTICE

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

RE: SITE NO. 010982

INVOICE NUMBER: UST43544
CUSTOMER ID: U0008086
INVOICE AMOUNT: $ 225.00
INVOICE PAID: $ 0.00
INVOICE ADJUST: $ 0.00
INVOICE DUE: $ 225.00

JACK N THE BOX (DREWS MOBIL)
110 TROSPER RD
TUMWATER WA 985014411

BILLING DATE: 03-15-1993
DUE DATE: 06-01-1993
LATE1 DATE:
LATE2 DATE:

REC/ADJ #	DATE POSTED	STATUS	CAT	AMOUNT	CHECK #	CJ #	REMITTER
	03-15-1993	AR-DR		$225.00			

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

MAY 10, 1996
PAGE 1 OF 1

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

SECOND NOTICE

RE: SITE NO. 010982

INVOICE NUMBER: UST50504
CUSTOMER ID: U0008086
INVOICE AMOUNT: $ 225.00
INVOICE PAID: $ 0.00
INVOICE ADJUST: $ 0.00
INVOICE DUE: $ 225.00

JACK N THE BOX (DREWS MOBIL)
110 TROSPER RD
TUMWATER WA 985014411

BILLING DATE: 03-18-1994
DUE DATE: 06-01-1994
LATE1 DATE:
LATE2 DATE:

REC/ADJ #	DATE POSTED	STATUS	CAT	AMOUNT	CHECK #	CJ #	REMITTER
	03-18-1994	AR-DR		$225.00			

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(206) 407-6000 • TDD Only (Hearing Impaired) (206) 407-6006

April 19, 1995

To ~~Underground Storage~~ Tank Owner: Attn: David Cubbe

We recently received information on the following site and tank(s) that indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater (Jack-N-the Box)

Site Number: 010982 Tank IDs: 1, 2, and 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues related to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist.

For tanks closed after March 1, 1991:

✓ Permanent Closure/Change-in-Service Checklist.

✓ Site Check/Site Assessment Checklist.

✓ One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization needs to be sent to the Ecology regional office that services the county the site is located in.

Please complete the form(s) and return it(them) to:

Washington State Department of Ecology
Underground Storage Tank Unit
P.O. Box 47655
Olympia WA 98504-7655

Thank you for your cooperation. If you have any questions, please call me at (206) 407-7206.

Sincerely,

Joyce M. Smith

Joyce Smith
Permits and Compliance Assistance
Underground Storage Tank Unit

Enclosures

Y UST100P2 UNDERGROUND STORAGE TANK CONV 04/13/95
UNDERGROUND STORAGE TANKS CONVERSION 17:27

CONVERSION INFORMATION 4/18/95

Owner Name: ~~DREWS TUMWATER MOBILE~~ new owner per assessor office and David confirmed.
Firm Name: ~~DREW'S TUMWATER MOBIL~~
Site Addr: 110 TROSPER RD
TUMWATER WA 98501 4411

Current Status: X
Site Id: 010982
Phone: ~~206 943 7030~~ 357-6477
work # at Southgate Shoprite 352-1402

MASTER LICENSE INFORMATION

BUS UBI: 000 000 000 BUS ID: BUSLOC ID:
Owner Name:
Firm Name: David Gubbe Jack-N-The Box
owners Addr: 984 Liberty St SW
Olympia, WA 98512

Action: _ 'T' = Tie to UBI
'X' = Problem
'U' = Unprocessed/Untie
'R' = Found on Revenue
'L' = Create New Loc

UPDATE UST ADDR TO MLS : N

TRANSFER:
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
FNAM GNAM CNAM PNAM ONAM TRDN USTM MMENU

4/18/95
Tank coded "closure in process" David confirmed that the tanks have been removed and that he had the closure information. I asked him to send me the information is order for me to close the site. Requested closure information.

Joyce

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. BOX 47600 • Olympia, Washington 98504-7600 • (206) 459-6000

January 10, 1994

Dear Underground Storage Tank Owner:

We recently received information on the following site and tank(s) which indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater

Site No: 010982 Tank Ids: 1, 2 and 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues relating to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist

For tanks closed after March 1, 1991:

✓ Permanent Closure/Change-in-Service Checklist
✓ Site Check/Site Assessment Checklist
✓ One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization needs to be sent to your Regional office.

Please complete the forms and return them to:

Washington State Department of Ecology
Underground Storage Tank Section
PO Box 47655
Olympia, WA 98504-7655

Thank you for your cooperation. If you have any questions, please call me at (206) ~~438-7764~~ 407-7206.

Sincerely,

Joyce M. Smith

mailed to PO Box

Joyce M. Smith
Permit & Compliance Assistance Unit
Toxics Cleanup Program

Enclosures

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. BOX 47600 • Olympia, Washington 98504-7600 • (206) 459-6000

December 1, 1993

Dear Underground Storage Tank Owner:

We recently received information on the following site and tank(s) which indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater

Site No: 010982 Tank Ids: 1, 2 and 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues relating to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist

For tanks closed after March 1, 1991:

✓ Permanent Closure/Change-in-Service Checklist

✓ Site Check/Site Assessment Checklist

_____ One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization needs to be sent to your Regional office.

Please complete the forms and return them to:

Washington State Department of Ecology
Underground Storage Tank Section
PO Box 47655
Olympia, WA 98504-7655

Thank you for your cooperation. If you have any questions, please call me at (206) ~~438-7764~~ 407-7206.

Sincerely,

Joyce M. Smith

Joyce M. Smith
Permit & Compliance Assistance Unit
Toxics Cleanup Program

Enclosures

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. BOX 47600 • Olympia, Washington 98504-7600 • (206) 459-6000

December 1, 1993

Dear Underground Storage Tank Owner:

We recently received information on the following site and tank(s) which indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater

Site No: 010982 Tank Ids: 1, 2 and 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues relating to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist

For tanks closed after March 1, 1991:

✓ Permanent Closure/Change-in-Service Checklist

✓ Site Check/Site Assessment Checklist

_____ One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization needs to be sent to your Regional office.

Please complete the forms and return them to:

Washington State Department of Ecology
Underground Storage Tank Section
PO Box 47655
Olympia, WA 98504-7655

Thank you for your cooperation. If you have any questions, please call me at (206) ~~438-7764~~ 407-7206.

Sincerely,

Joyce M. Smith

Mailed to site address

Joyce M. Smith
Permit & Compliance Assistance Unit
Toxics Cleanup Program

Enclosures

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

April 13, 1992

Dear Underground Storage Tank Owner:

We recently received information on the following site and tank(s) which indicates that the tank(s) have been closed:

Site Address: 110 Trosper Rd, Tumwater

Site No: 010982 Tank Ids: 1, 2, 3

Until we receive documentation that the tank(s) have been permanently closed in accordance with federal and state regulations, we are unable to consider them closed for regulatory and billing purposes. If such closure has been completed, please fill out the enclosed form(s) as marked below and return them to our office as soon as possible. We will then be able to correct our records and resolve any outstanding fee payment issues relating to this site.

For tanks closed before March 1, 1991:

_____ Permanent Closure/Change-in-Service Checklist

For tanks closed after March 1, 1991:

✓ Permanent Closure/Change-in-Service Checklist
✓ Site Check/Site Assessment Checklist
✓ 2 copies of Site Assessment Report

Please complete the forms and return them to:

Washington State Department of Ecology
Underground Storage Tank Section
Mail Stop PV-11
Olympia, WA 98504-8711

Thank you for your cooperation. If you have any questions, please call me at (206) 438-7520.

Sincerely,

Joan Villines

Joan Villines
Data Management Unit

Enclosures

STATE OF WASHINGTON

'92 APR -7 AM 10:34

DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

DEPT. OF ECOLOGY
CASHIERING SECTION

APRIL 01, 1992

DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 985072014

RE: SITE NO. 010982

INVOICE NUMBER:	UST26289	SITE:
INVOICE DATE:	11-01-1991	
INVOICE AMOUNT:	$ 225.00	DREW'S TUMWATER MOBIL
INVOICE PAID:	$ 0.00	110 TROSPER RD
INVOICE ADJUSTMENT:	$ 0.00	TUMWATER WA 985014411
AMOUNT DUE:	$ 225.00	

Tanks Have Been Removed A Year Ago [illegible]
Bob

FINAL NOTICE OF OVERDUE PAYMENT

You were previously billed for the regulated underground storage tank(s) located at the site noted above. Payment is now more than 60 days delinquent. This billing is mandated by the Underground Storage Tank Law, Chapter 90.76 RCW. There is potentially a substantial fine for non-payment of the fee.

This is the second and final notice regarding this billing. If we do not receive payment for the amount due within thirty days from the date of this notice, civil action may be taken. Please send the payment to the Department of Ecology, P.O. Box 5128, Lacey, WA 98503-0210. It is very important to include both the invoice number and site number with remittance. If payment has already been sent, we apologize for the error. If you wish to discuss this billing, please call (206) 493-9225. Any disputes of this billing need to be in writing.

Besides this is the owner's Bill not mine

F R O M

WASHINGTON STATE DEPT. OF ECOLOGY
UNDERGROUND STORAGE TANK [illegible]TION
PO BOX 5128
LACEY WA 98503-0210

ADDRESS CORRECTION REQUESTED

NOV 13 '91 U.S. POSTAGE 0 29

'91 NOV 19 A9:24

DEPT OF ECOLOGY
CASHIERING SECTION

DREW110 985076931 1391 11/16/91
RETURN TO SENDER
DREWS TUMWATER MOBILE
PO BOX 2014
OLYMPIA WA 98507-2014
RETURN TO SENDER

deposit 12/3/91

SITE# 010982 INVOICE# 26289
NORMAN DREW
DREW'S TUMWATER MOBIL
110 TROSPER ROAD S. E.
TUMWATER WA 98501-4411

FORM D
Rev 4/02/90

UST ADJUSTMENTS
CHANGE IN OWNERSHIP: REBILL

TO BE USED FOR OWNERSHIP CHANGES

Section I.

PRIOR OWNER:

Customer Name Norman Drew Site Number 01098

Customer Number U0008086 Invoice Number 15619

Initiated by Donna Watson Date 3/8/91
(Name)

$ Amount ____________

Section II.

NEW OWNER:

Customer Name ____________ Site Number ____________

Customer Number ____________

** IF A TANK DELETION IS INVOLVED, PLEASE ATTACH FORM A.

Remove From Pending (Y) N

Rebill New Owner Y (N)

If NO: ____________

Approved By Jan Vellin Date 3/19/91
(Name)

Comments ____________

Copy

INSTRUCTIONS FOR FORM D

This form is to be used for ownership changes only. (Do not use for address changes.) The form may be initiated by either General Receivables or the UST Program.

1. Person initiating the action completes Section I of the form.

2. The UST Program completes remainder of the form.

3. Comments section should be used to briefly describe events leading to the changes requested on the form.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

'91 MAR -8 A9:46
DEPT ... CASHIER... SECTION

MARCH 01, 1991

NORMAN DREW
DREW'S TUMWATER MOBIL
110 TROSPER ROAD S. E.
TUMWATER WA 98502

RE: SITE NO. 010982

INVOICE NUMBER:	UST15619	SITE:
INVOICE DATE:	11-01-1990	
INVOICE AMOUNT:	$ 180.00	DREW'S TUMWATER MOBIL
INVOICE PAID:	$ 0.00	110 TROSPER RD
INVOICE ADJUSTMENT:	$ 0.00	TUMWATER WA 98501
AMOUNT DUE:	$ 180.00	

This Doesn't BeLong To me The owner is Bob Witter, so collect From Him

FINAL NOTICE OF OVERDUE PAYMENT

You were previously billed for the regulated underground storage tank(s) located at the site noted above. Payment is now more than 60 days delinquent. This billing is mandated by the Underground Storage Tank Law, Chapter 90.76 RCW. There is potentially a substantial fine foe non-payment of the fee.

This is your second and final notice regarding this billing. If we do not receive your payment for the amount due within thirty days from the date of this notice, civil action may be taken. Please send your payment to the Department of Ecology, P.O. Box 5128, Lacey, WA 98503-5128. It is very important to include both the invoice number and site number with your remittance. If you wish to discuss this billing, please call (206) 493-9225. Any disputes of this billing need to be in writing.

If payment has already been sent, or if this is a duplicate billing, we apologize for the error. Please contact our office at (206) 493-9225 so we can correct our records.

FORM D
Rev. 12/08/89

UST ADJUSTMENTS
CHANGE IN OWNERSHIP:REBILL

TO BE USED FOR OWNERSHIP CHANGES

I.
Prior Owner:

Customer ID Number U000 3838 Site Number 010982

Customer Name KAROLA B WATSON Invoice Number 6008

$ Amount 180.00

Requester J. Bucks Date 1/4/89
(Name)

II.
NEW OWNER:

Customer ID Number U001 8086 Site Number 010982

Customer Name NORMAN DREW Invoice Number (Dummy)

Billing Address 1 DREW'S TUMWATER MOBIL

Billing Address 2 110 PROSPER ROAD

City TUMWATER State WA Zip 98502

County ______ Phone 943-7030

Explanation FEE Paid for N. DREW by property owner [illegible]

III.
PROGRAM ACTION:

Approved By John Buck Date 1/4/89

Rebill New Owner Y (N)

IV.
FISCAL ACTION:

Date Prior Owner Adjusted ______ Adjustment Number ______

Date New Owner Adjusted ______ Date Rebilling Sent ______

Entered By ______ Date ______
(Name)

V.
Comments ______

File under Norman Drew.
Drews Tumwater Mobil

1-4-89 Property owner: Robert Utter.
ph 357-2025
N. Drew – lessee

Fee paid by R. Utter for Drew
No invoice mailed @ 1st Billing

January 2, 1990

Ms. Chris Gregoire
Director
Department of Ecology
State of Washington
MS: PV-11
Olympia, Washington 98504

Dear Chris:

Thank you for the material on underground storage tanks. As I indicated in my phone call, I was concerned that our lessee, who operates a service station on our property, while well-meaning, is totally unsophisticated and had not been aware of all the regulations that he needed to comply with. The partnership sent him a letter last year indicating that inasmuch as his lease was a triple-net lease, all responsibilities for compliance with ecological requirements were his burden. He did mention to us his knowledge of the federal requirements, but did not indicate any knowledge of state requirements.

Over the holidays I checked with him and found he was, in fact, unaware of the annual tank fee required. Neither he nor we have received any billing for the tanks, but I assume this is commonplace in a new program being established. He did indicate that the property has three tanks, one for regular, one for unleaded, and one for premium unleaded. I am enclosing a check for $180 to pay the fee for these tanks through June 30, 1990. The lessee's name is Norman Drew, who does business as Drew's Tumwater Mobil, 110 Trosper Rd. S.W., Tumwater. If you would be kind enough to have your department send all notices to him, copied to me at the Supreme Court, I would appreciate it.

Thank you very much for forwarding the materials in this matter. Best wishes for the new year.

Sincerely,

Robert F. Utter

357-2025
THE Supreme Court
AV-11
Olympia 98504
~~753-5070~~

357-2025

January 2, 1990

Mr. Norman Drew
Drew's Tumwater Mobil
110 Trosper Rd. S.E.
Tumwater, Washington 98502

Dear Norm:

I am enclosing copies of the material sent by the Washington State Department of Ecology. I have forwarded a check for $180, although under the terms of our triple-net lease arrangement, as you are aware, this is your responsibility. I do have some automobile repair work to be done, and we can work out payment on that. Please note that there is a number in Washington State, 1-800-826-7716, which may be called to get copies of the regulations. You should have these for your files.

Best wishes for the new year.

Sincerely,

Robert F. Utter

Enclosures

cc: Chris Gregoire
Director, Department of Ecology

NEW OWNER: NORMAN DREW — RESPONSIBLE PARTY File DREW, NORMAN
PROPERTY OWNER: ROBERT E UTER

WASHINGTON STATE UNDERGROUND STORAGE TANK NOTIFICATION FORM

IMPORTANT: PLEASE READ ALL INSTRUCTIONS ON PAGES I-1 AND I-2 BEFORE ENTERING INFORMATION.

- ABOVEGROUND TANKS MUST BE REPORTED IF THE CONNECTED UNDERGROUND PIPING COMPRISES AT LEAST 10% OF THE OVERALL STORAGE SYSTEM (TANK AND PIPING).
- A SEPARATE FORM MUST BE USED FOR EACH SITE, EXCEPT FOR SITES WITH ONLY ONE TANK EACH. SEE THE GENERAL INSTRUCTIONS (PAGE I-2) FOR THE DEFINITION OF A SITE AND DETAILS ON REPORTING SITES WITH ONE TANK EACH.
- THERE IS ROOM IN SECTION VI FOR INFORMATION CONCERNING 15 TANKS. IF YOU HAVE MORE THAN 15 TANKS, PHOTOCOPY BOTH PAGES OF SECTION VI BEFORE ENTERING ANY INFORMATION. (IF YOU HAVE MORE THAN ONE SITE, EITHER OBTAIN MORE FORMS FROM THE DEPARTMENT OF ECOLOGY OR BE SURE TO ALSO PHOTOCOPY THIS PAGE.)
- PLEASE TYPE, OR PRINT IN INK; THE SIGNATURE UNDER "CERTIFICATION" (SECTION V) MUST BE SIGNED IN INK.

DEPT. OF ECOLOGY
MAY 15 '90 010982
STATE USE ONLY

I. OWNERSHIP OF THE TANK(S)

Please enter information regarding the owner of the tank(s). If the ownership of the tank(s) is uncertain, enter information regarding the owner of the property where the tanks are located, or information regarding the former owner of the tanks. Please circle the correct letter, indicating who the information given below refers to:

A. OWNERSHIP UNCERTAIN B. CURRENT OWNER OF TANK(S) C. FORMER OWNER OF TANK(S) (D.) PROPERTY OWNER

E. OTHER (PLEASE SPECIFY): _____

KAROLA B WATSON
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

507 LHI / PO BOX 2014, Olympia
Street Address

TUMWATER | WA | 98502-
City | State | ZIP Code

THURSTON | 206-357-4670
County | Area Code Phone Number

357-4670

Type of Owner or Facility: CIRCLE CORRECT CODE(s)

CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE
(A.)	Service Station	G.	Industrial/Manufacturing	M.	City/Town	S.	Port District
B.	Bulk Plant	H.	Private Institution	N.	County	T.	Utility District
C.	Petroleum Distributor	I.	Residence (Non-Farm)	O.	Stete	U.	Fire Dept./District
D.	Convenience Store	J.	Farm	P.	Federal (Military)*	V.	Other Special Service District (e.g., sewer, water)
E.	Auto Dealer	K.	Airport	Q.	Federal (Non-Military)*	W.	Other
F.	Other Commercial/Retail	L.	Marina	R.	School District		

*FEDERAL FACILITIES ONLY: Please give your GSA Facility ID Number (Building Number).

II. CONTACT PERSON AT THE TANK LOCATION

The contact person should be the individual responsible for regularly monitoring the operation of the tank(s).

ALFRED N DREW
Name (If same as Section I, mark box here ☐)

OWNER
Job Title

206-943-7030
Area Code Phone Number

III. SITE OF THE TANK(s)

(If the same as Section I, mark box here. ☐) See the General Instructions (Page I-2, 2.a.) for the definition of a site.

KAROLA B WATSON
Facility Name or Company Site Identifier, as applicable. (IF THE FACILITY IS OPERATED BY A LEASEE OR RENTER, THE NAME OF THE CORPORATION, INDIVIDUAL, PUBLIC AGENCY, OR OTHER ENTITY WHICH OPERATES THE FACILITY SHOULD BE ENTERED HERE.)

I/O TROSPER Rd
Street Address or State Road where the tanks are located. (IF NO STREET ADDRESS OR STATE ROAD, PLEASE ENTER THE LONGITUDE AND LATITUDE OR TOWNSHIP, RANGE, AND QUARTER SECTION WHERE THE TANKS ARE LOCATED.)

TUMWATER | WA | 98501-
City | State | ZIP Code

THURSTON | 206-943-7050
County | Area Code Phone Number

IV. THE TOTAL NUMBER OF TANKS AT THIS SITE

1. Number of tanks containing petroleum, which are now in use: 4
2. Number ot tanks which have etored petroleum, but are not now in use: _____
3. Number of tanks conteining reguleted chemicals, which are now in use: _____
4. Number of tanks which have stored regulated chemicals, but are not now in use: _____

TOTAL NUMBER OF TANKS 4

Pleaae mark this box if the site is located on lend within an Indian reservation or on other Indian trust lends ☐

V. CERTIFICATION (Please read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this end all attached documents. To the best of my knowledge and belief, the submitted information is true, accurate, and complete.

Alfred N. Drew

owner

Name and official title of owner or owner's authorized representative or, in casas where the ownership is unknown, the name and title of the person aigning the form. (PLEASE TYPE OR PRINT IN INK.)

5-9-90
Dete Signed

Alfred N Drew
Signature (PLEASE SIGN IN INK)

FORM ECY 020-32 (12/85) QX A-226

SOLD: 3 YEARS AGO - CALLED 11/4/90 BB

VI. INFORMATION REGARDING INDIVIDUAL TANKS (See instructions regarding individual tanks, Page I-2)

a. Tank Identification

Please list your tanks numerically (1, 2, 3, etc.) or use an established tank identification number or code. The information in the following columns should apply to the tank identified in the corresponding row of this column.

b. Tank Status

Please put the correct letter for each tank in the appropriate row of the column below.

A. Currently in use.
B. Temporarily out of use.
C. Permanently out of use.
D. Brought into use after 5/8/88.

c. Age of the Tank

If the year of installation of the tank is known, please enter the last 2 digits of that year in the appropriate row. If the exact year of installation is not known, please estimate as closely as possible, using the groupings shown below (choose a letter and put it in the appropriate row.)

A. Less than 1 year
B. 1-2 years
C. 3-5 years
D. 6-10 years
E. 11-15 years
F. 16-20 years
G. 21-30 years
H. More than 30 years

d. Capacity of the Tank

Please put the correct letter for each tank in the appropriate row of the column below. If the exact capacity isn't known, please choose an estimate.

A. Under 500 gallons
B. 500-999 gallons
C. 1,000-4,999 gallons
D. 5,000-9,999 gallons
E. 10,000-19,999 gallons
F. Over 20,000 gallons

e. Tank Construction

Please put all the letters which apply to each tank in the appropriate row of the column below. (If "Other" (H) please enter type of material.)

A. Carbon Steel
B. Stainless Steel
C. Steel, type unknown
D. Fiberglass Reinforced Plastic
E. Plastic
F. Concrete
G. Aluminum
H. Other Material (please specify)
I. Unknown Material
J. Single Walled
K. Double Walled
L. Has secondary containment
M. Has overfill protection

f. Leak Detection

Please put all the letters which apply to each tank in the appropriate row of the column below. (If "Other" (N) please also enter type of detection.)

A. Daily inventory
B. Tightness/Leak test within past year
C. In-tank system
D. In-piping system
E. Product gauge
F. Electronic sensor
G. Manually sampled well(s)
H. Automatically sampled well(s)
I. Well or detector in secondary containment
J. In-ground detector
K. Between walls of double-walled tank
L. Groundwater monitoring plan
M. Spill Prevention Control and Countermeasure Plan
N. Other (please specify)
O. None

g. Cathodic Protection

Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (C) please also enter the type of protection.)

A. Sacrificial Anode/Galvanic Type
B. Impressed Current Type
C. Other Type (please specify)
D. Cathodically Protected, Type Unknown
E. None
F. Unknown

h. Internal Protection

Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (F or I) please also enter the type of protection.)

A. Rubber Lining
B. Alkyd Lining
C. Epoxy Lining
D. Phenolic Lining
E. Glass Lining
F. Other Lining (please specify)
G. Lined, type unknown
H. Unlined
I. Other Internal protection (please specify)
J. Unknown

	a. Tank Identification	b. Tank Status	c. Age of the Tank	d. Capacity of the Tank	e. Tank Construction	f. Leak Detection	g. Cathodic Protection	h. Internal Protection
1	1	A	F	A	C	A	F	J
2	2	A	F	C	C	A	F	J
3	3	A	F	D	C	A	F	J

THESE ITEMS REFER ONLY TO TANKS PERMANENTLY OUT OF SERVICE. PLEASE LEAVE THE ROWS FOR THE TANKS STILL IN SERVICE BLANK.

Tank Identification Please enter the same identification used in column a.	i. External Protection of the Tank Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (D or G) please also enter the type of coating and/or wrapping.) A. Asphalt Coated B. Fiberglass Reinforced Plastic Coated C. Epoxy Coated D. Other Coating (please specify) E. Vinyl Wrapped F. Polyethylene Wrapped G. Other Wrepping (please specify) H. None I. Unknown	j. Piping Please enter all the letters which apply to the portion of the piping which is underground. (If "Other" (D) please also enter the type of material.) A. Bare Steel B. Galvanized Steel C. Fiberglass Reinforced Plastic D. Other Material (please specify) E. Coated with non-corrosive materials F. Cathodically Protected G. Double-walled H. Within a secondary containment I. Protected with interior lining J. In native soil rather than backfill K. In backfill rather then native soil L. Not certain regarding backfill/native soil M. Details of piping are unknown N. None of the piping is underground	k. Type of Substance Currently or Last Stored in the Tank Please put the correct letter for each tank in the appropriate row of the column below. 1. If the substance is a hazardous substance (J) rather than a petroleum product, please also enter the name of the substance or its Chemical Abstract Service (CAS) number. (See "What Substances Are Covered"? on page I-1 of the instructions for information regarding hazardous substances.) 2. If different substances are stored in the tank at different times, or if a mixture of substances is stored, please enter all letters which apply. A. Leaded gasoline B. Unleaded gasoline C. Alcohol enriched gasoline D. Diesel fuel E. Aviation fuel F. Kerosene G. Nos. 1, 2, or 4 fuel oil H. Nos. 5 or 6 fuel oil. I. Used oil/Waste oil J. Hazardous substance K. Other (Please specify) L. Unknown M. Empty	l. Date of Last Use If the exact month and year of last use isn't known, please enter an eatimate. (Use two digits for the month and two for the year; e.g., 06-84.)	m. Quantity Left in the Tank If the exact amount left in the tank isn't known, please enter an estimate, in gallons.	n. Was the Tank Filled? Was the tank filled with an inert material, such as sand or concrete? Was it filled with water? Please put the correct letter in the appropriate row of the column below. A. The tank was filled with an inert material. B. The tank was filled with water. C. The tank was not filled. D. Unknown
1	I	B	A			
2	I	B	B			
3	I	B	L			

JOLD: SEE NORMAN DREW

WASHINGTON STATE UNDERGROUND STORAGE TANK NOTIFICATION FORM

IMPORTANT: PLEASE READ ALL INSTRUCTIONS ON PAGES I-1 AND I-2 BEFORE ENTERING INFORMATION.

- ABOVEGROUND TANKS MUST BE REPORTED IF THE CONNECTED UNDERGROUND PIPING COMPRISES AT LEAST 10% OF THE OVERALL STORAGE SYSTEM (TANK AND PIPING).
- A SEPARATE FORM MUST BE USED FOR EACH SITE, EXCEPT FOR SITES WITH ONLY ONE TANK EACH. SEE THE GENERAL INSTRUCTIONS (PAGE I-2) FOR THE DEFINITION OF A SITE AND DETAILS ON REPORTING SITES WITH ONE TANK EACH.
- THERE IS ROOM IN SECTION VI FOR INFORMATION CONCERNING 15 TANKS. IF YOU HAVE MORE THAN 15 TANKS, PHOTOCOPY BOTH PAGES OF SECTION VI BEFORE ENTERING ANY INFORMATION. (IF YOU HAVE MORE THAN ONE SITE, EITHER OBTAIN MORE FORMS FROM THE DEPARTMENT OF ECOLOGY OR BE SURE TO ALSO PHOTOCOPY THIS PAGE.)
- PLEASE TYPE, OR PRINT IN INK; THE SIGNATURE UNDER "CERTIFICATION" (SECTION V) MUST BE SIGNED IN INK.

DEPT. OF ECOLOGY
MAY 15 86 010982

STATE USE ONLY

I. OWNERSHIP OF THE TANK(S)

Please enter information regarding the owner of the tank(s). If the ownership of the tank(s) is uncertain, enter information regarding the owner of the property where the tanks are located, or information regarding the former owner of the tanks. Please circle the correct letter, indicating who the information given below refers to:

A. OWNERSHIP UNCERTAIN B. CURRENT OWNER OF TANK(S) C. FORMER OWNER OF TANK(S) (D.) PROPERTY OWNER (circled)

E. OTHER (PLEASE SPECIFY):

KAROLA B WATSON
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

507 UT / PO Box 2014, Olympia
Street Address

TUMWATER — WA — 98502-
City — State — ZIP Code

THURSTON — 206-357-9671
County — Area Code — Phone Number

Type of Owner or Facility: CIRCLE CORRECT CODE(s)

CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE
(A.) (circled)	Service Station	G.	Industrial/Manufacturing	M.	City/Town	S.	Port District
B.	Bulk Plant	H.	Private Institution	N.	County	T.	Utility District
C.	Petroleum Distributor	I.	Residence (Non-Farm)	O.	State	U.	Fire Dept./District
D.	Convenience Store	J.	Farm	P.	Federal (Military)*	V.	Other Special Service District (e.g., sewer, water)
E.	Auto Dealer	K.	Airport	Q.	Federal (Non-Military)*	W.	Other
F.	Other Commercial/Retail	L.	Marina	R.	School District		

*FEDERAL FACILITIES ONLY: Please give your GSA Facility ID Number (Building Number).

II. CONTACT PERSON AT THE TANK LOCATION

The contact person should be the individual responsible for regularly monitoring the operation of the tank(s).

ALFRED N DREW
Name (If same as Section I, mark box here ☐)

OWNER — 206-943-7030
Job Title — Area Code — Phone Number

III. SITE OF THE TANK(s)

(If the same as Section I, mark box here. ☐) See the General Instructions (Page I-2, 2.a.) for the definition of a site.

KAROLA B WATSON
Facility Name or Company Site Identifier, as applicable. (IF THE FACILITY IS OPERATED BY A LEASEE OR RENTER, THE NAME OF THE CORPORATION, INDIVIDUAL, PUBLIC AGENCY, OR OTHER ENTITY WHICH OPERATES THE FACILITY SHOULD BE ENTERED HERE.)

110 TROSPER RD
Street Address or State Road where the tanks are located. (IF NO STREET ADDRESS OR STATE ROAD, PLEASE ENTER THE LONGITUDE AND LATITUDE OR TOWNSHIP, RANGE, AND QUARTER SECTION WHERE THE TANKS ARE LOCATED.)

TUMWATER — WA — 98501-
City — State — ZIP Code

THURSTON — 206-943-7030
County — Area Code — Phone Number

IV. THE TOTAL NUMBER OF TANKS AT THIS SITE

1. Number of tanks containing petroleum, which are now in use: 4
2. Number of tanks which have stored petroleum, but are not now in use: ____
3. Number of tanks containing regulated chemicals, which are now in use: ____
4. Number of tanks which have stored regulated chemicals, but are not now in use: ____

TOTAL NUMBER OF TANKS 4

Please mark this box if the site is located on land within an Indian reservation or on other Indian trust lands ☐

V. CERTIFICATION (Please read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents. To the best of my knowledge and belief, the submitted information is true, accurate, and complete.

Alfred N. Drew
owner
Name and official title of owner or owner's authorized representative or, in cases where the ownership is unknown, the name and title of the person signing the form. (PLEASE TYPE OR PRINT IN INK.)

5-9-86 — Alfred N Drew
Date Signed — Signature (PLEASE SIGN IN INK)

FORM ECY 020-32 (12/85) QX A-226

VI. INFORMATION REGARDING INDIVIDUAL TANKS (See instructions regarding individual tanks, Page I-2)

a. Tank Identification	b. Tank Status	c. Age of the Tank	d. Capacity of the Tank	e. Tank Construction	f. Leak Detection	g. Cathodic Protection	h. Internal Protection
Please list your tanks numerically (1, 2, 3, etc.) or use an established tank identification number or code. The information in the following columns should apply to the tank identified in the corresponding row of this column.	Please put the correct letter for each tank in the appropriate row of the column below. A. Currently in use. B. Temporarily out of use. C. Permanently out of use. D. Brought into use after 5/8/86.	If the year of installation of the tank is known, please enter the last 2 digits of that year in the appropriate row. If the exact year of inatallation is not known, please estimate as closely aa possible, using the groupings shown below (choose a letter and put it in the appropriate row.) A. Less than 1 year B. 1-2 years C. 3-5 years D. 6-10 years E. 11-15 years F. 18-20 years G. 21-30 years H. More than 30 years	Please put the correct letter for each tank in the appropriate row of the column below. If the exact capacity isn't known, please choose an estimate. A. Under 500 gallons B. 500-999 gallons C. 1,000-4,999 gallons D. 5,000-9,999 gallons E. 10,000-19,999 gallons F. Over 20,000 gallons	Please put all the letters which apply to each tank in the appropriate row of the column below. (If "Other" (H) pleese enter type of materiel.) A. Carbon Steel B. Stainless Steel C. Steel, type unknown D. Fiberglass Reinforced Plastic E. Plastic F. Concrete G. Aluminum H. Other Material (please specify) I. Unknown Material J. Single Walled K. Double Walled L. Has secondary containment M. Has overfill protection	Pleaae put all the letters which apply to each tank in the appropriate row of the column below. (If "Other" (N) please aleo enter type of detection.) A. Daily inventory B. Tightness/Leak test within past year C. In-tank system D. In-piping system E. Product gauge F. Electronic sensor G. Manually sampled well(s) H. Automatically sampled well(s) I. Well or detector in secondary containment J. In-ground detector K. Between walls of double-walled tank L. Groundwater monitoring plan M. Spill Prevention Control and Countermeasure Plan N. Other (please specify) O. None	Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (C) please also enter the type of protection.) A. Sacrificial Anode/Galvanic Type B. Impresaed Current Type C. Other Type (pleese specify) D. Cathodically Protected, Type Unknown E. None F. Unknown	Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (F or I) please also enter the type of protection.) A. Rubber Lining B. Alkyd Lining C. Epoxy Lining D. Phenolic Lining E. Glass Lining F. Other Lining (please specify) G. Lined, type unknown H. Unlined I. Other Internal protection (please specify) J. Unknown
1 2 3	A	7	A C D	G	A	7	5
1	A	A F	A	C	A	F	J
2	A	A F	C	C	A	F	J
3	A	A F	D	C	A	F	J

Tank Identification Please enter the same identification used in column a.	l. External Protection of the Tank Please put the correct letter for each tank in the appropriate row of the column below. (If "Other" (D or G) pleese also enter the type of coating and/or wrapping.) A. Asphalt Coated B. Fiberglass Reinforced Plastic Coated C. Epoxy Coated D. Other Coating (please specify) E. Vinyl Wrapped F. Polyethylene Wrapped G. Other Wrapping (please specify) H. None I. Unknown	j. Piping Please enter all the letters which apply to the portion of the piping which is underground. (If "Other" (D) please also enter the type of material.) A. Bare Steel B. Galvanized Steel C. Fiberglass Reinforced Plastic D. Other Material (please specify) E. Coated with non-corrosive materials F. Cathodically Protected G. Double-walled H. Within a secondary containment I. Protected with interior lining J. In native soil rather than backfill K. In backfill rather than native soil L. Not certain regarding backfill/native soil M. Details of piping are unknown N. None of the piping is underground	k. Type of Substance Currently or Last Stored in the Tank Please put the correct letter for each tank in the appropriate row of the column below. 1. If the substance is a hazardous substance (J) rather than a petroleum product, please also enter the name of the substance or its Chemical Abstract Service (CAS) number. (See "What Substances Are Covered"? on page I-1 of the instructions for information regarding hazardous substances.) 2. If different substances are stored in the tank at different times, or if a mixture of substances is stored, please enter all letters which apply. A. Leaded gasoline B. Unleaded gasoline C. Alcohol enriched gasoline D. Diesel fuel E. Aviation fuel F. Kerosene G. Nos. 1, 2, or 4 fuel oil H. Nos. 5 or 6 fuel oil I. Used oil/Waste oil J. Hazardous substance K. Other (Please specify) L. Unknown M. Empty	**THESE ITEMS REFER ONLY TO TANKS PERMANENTLY OUT OF SERVICE. PLEASE LEAVE THE ROWS FOR THE TANKS STILL IN SERVICE BLANK.** l. Date of Last Use If the exact month and year of last use isn't known, please enter an estimate. (Use two digits for the month and two for the year; e.g., 06-84.)	m. Quantity Left in the Tank If the exact amount left in the tank isn't known, please enter an estimate, in gallons.	n. Was the Tank Filled? Was the tank filled with an inert material, such as sand or concrete? Was it filled with water? Please put the correct letter in the appropriate row of the column below. A. The tank was filled with an inert material. B. The tank was filled with water. C. The tank was not filled. D. Unknown
1	I	B	A			
2	I	B	B			
3	I	B	L			

INSTRUCTIONS FOR MAILING THE FORM

When the notification form is fully completed and signed, staple any photocopies of Section VI to page one of the form (not the instructions), with page one in the front. (Please staple once in the upper right corner.) The forms may then be folded and placed in an envelope for mailing or may be folded as described below for mailing without an envelope. FOR MAILING WITHOUT AN ENVELOPE: Fold the form(s) in half along the line in the center of the page, so that these instructions are on the outside, at the top. Then fold in half again, so that these instructions are still on the outside. When you turn the folded form(s) over, Ecology's address should be in the center, with blank lines for the return address in the upper left corner. Please enter your return address, staple once where shown, place the correct postage in the upper right corner, and mail.

PLEASE INDICATE THE NUMBER OF PHOTOCOPIED SHEETS ATTACHED (IF ANY) _____

Underground Storage Tank Notification
Solid and Hazardous Waste Program
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

BULK RATE
U.S. POSTAGE PAID
Olympia, Washington
Permit No. 24

Tumwater Mobil
110 Trosper Road S.W.
Tumwater, WA 98501

IMPORTANT

THIS IS AN UNDERGROUND STORAGE TANK NOTIFICATION FORM. A RECENT FEDERAL LAW REQUIRES UNDERGROUND TANK OWNERS TO NOTIFY THE DEPARTMENT OF ECOLOGY OF THEIR TANKS BY MAY 8, 1986.

(CERTAIN ABOVEGROUND TANKS ARE ALSO INCLUDED.)

PLEASE OPEN FOR FURTHER INFORMATION.

IMPORTANT

THIS IS AN UNDERGROUND STORAGE TANK NOTIFICATION FORM. A RECENT FEDERAL LAW REQUIRES UNDERGROUND TANK OWNERS TO NOTIFY THE DEPARTMENT OF ECOLOGY OF THEIR TANKS BY MAY 8, 1986.

(CERTAIN ABOVEGROUND TANKS ARE ALSO INCLUDED.)

PLEASE OPEN FOR FURTHER INFORMATION.

STAPLE HERE WHEN FOLDED

OLYMPIA, WA
PM
14 MAY 1986

USA 22

Calico Scallop

Underground Storage Tank Notification
Solid and Hazardous Waste Program
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

UNDERGROUND STORAGE TANK
30 Day Notice of Intent to Close/Decommission Tanks

The purpose of this form is to provide the Department of Ecology with notice of intent to close/decommission an UST. It must be received 30 days prior to the closure activities. It must be signed and dated by either the owner/operator of the UST to be closed or his/her authorized representative. (This could be the firm contracted to do the work.) Ecology will notify the identified person of the earliest date closure/decommissioning activities may commence.

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
RECEIVED
NOV 15 1990

For questions on completing this form please call (206) 459-6293.

Please type or use ink.

The completed checklist should be mailed to:
Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. TANK OWNER AND LOCATION

UST Owner/Operator: (OWNER) JUSTICE ROBERT UTTER, MR. KIP LANGE (AGENT)

Owners Mailing Address: 7016 15th AVE NW (Street / P.O. Box)

SEATTLE, WA 98117 (City / State / ZIP Code)

Telephone: (206) 783-5900

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: DREW'S MOBIL

Site Address: 110 TROSPER ROAD
CORNER OF TROSPER RD. & OLD HWY 99 (Street / County)

TUMWATER, WA 98501 (City / State / ZIP Code)

2. TANK PERMANENT CLOSURE TO BE PERFORMED BY (if known):

Firm: RITTENHOUSE - ZEMAN & ASSOC., INC.

Address: 1400 140th AVE N.E. (Street / P.O. Box)

BELLEVUE, WA. 98005-4594 (City / State / ZIP Code)

Telephone: (206) 746-8020 Contact Name: KURT GROESCH
DAVE COOPER

3. TANK INFORMATION

Tank Identification	Approx. Closure Date	Tank Capacity (gallons)	Tank Age (years)	Last Substance Stored
#1	12/20/90	8,000 gal	UNKNOWN	
2	✓	8,000	✓	
3	✓	8,000	✓	

4. SIGNATURE OF TANK OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE

Kurt L. Groesch — 11/15/90

Signature — Title

DEPARTMENT OF ECOLOGY ENVIRONMENTAL REPORT

RECORDER: KIM ELWESS WEATHER: SNOW TIDE: ID#: S2055

DATE: 12/18/90 TIME: 14:11:48 COUNTY: THURSTON WATERWAY:

REPORTED BY: ANONYMOUS LOC DESC: MOBILE STATION AT CORNER OF TROSPER IN TUMWATER

BUS NAME:
ADDRESS:
CITY: STATE:
ZIP: HOME PHONE:
BUS PHONE:
ANONYMOUS: A BEST TIME TO CALL:

CITY: TUMWATER

ALLEGED VIOLATOR: MOBILE STATION
ADDRESS:
CITY: TUMWATER STATE: WA EXT:
ZIP: PHONE:
CONTACT: PHONE:

MEDIUM: SOIL MAT TYPE: ANTI-FREEZE

MATERIAL: OIL/PETROLEUM SOURCE: CONSTRUCTION ACTIVITY

QUANTITY: UNKNOWN ACTUAL QUANTITY:

PROGRAM: SPILLS SECTION HD OBERLANDER INSPECTOR: M. Bell-McKinnon

DATE INVEST: 12/18/90 DATE CLOSED: 12/18/90 IMPACT:
NONPOINT: POINT: LUST:
ACTION TAKEN: CAUSE:

REFERRAL TO OUTSIDE ENTITY:
ENTITY NAME: _____ CONTACT: _____
DATE REFERRED / / PHONE ( ) -

NARRATIVE: CALLER REPORTED WHO EVER IS REMOVING TANKS FROM THE MOBILE STATION ARE DUMPING ANTI-FREEZE AND OIL ONTO THE SOIL. DID NOT KNOW HOW MUCH.

called back said tanks are dented & flowing across Southgate parking lot.

1530 - on site. Removing 4 tanks; 1 diesel (4,000 gal), 1 unleaded (6,000 gal) 1 leaded (6,000 gal) 1 waste oil (280 gal), the waste oil tank was located on the west side of the building and had 1 end

SAMPLES YES OR NO REPORT REQUESTED YES OR NO PICTURES YES OR NO →

gone when it was removed. The contaminated soil will be tested for petroleum as well as metals. Part of the parking lot will be dug up to determine extent of migration.

Larry Morris of Harold's Petroleum was on site and the general contractor. David Welch of RZA was the project ~~geo~~ environmentalist. Someone from Thurston county Public Works was also there. (no name).

CHRISTINE O. GREGOIRE
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

December 19, 1991

The Honorable Robert Utter
Judge of the Washington
Supreme Court
Temple of Justice
Mail Stop AJ-11
Olympia, WA 98504

Re: Former Drew's Mobile Station in Tumwater, Washington

Dear Judge Utter:

The Department of Ecology has reviewed the report submitted from the independent cleanup of contaminated soil at the former Drew's Mobile Station at the corner of Trosper Road and Capitol Boulevard in Tumwater, Washington. The reports, written by Rittenhouse-Zemen and Associates, were received from Mr. Kip Lange and Mr. Larry Morris by Ecology on December 2, and December 5, respectively. Additional verbal information was given by Mr. Morris at a meeting with Ecology personnel on December 5, 1991.

The report (no title) was evaluated to determine if the cleanup of the site was conducted in accordance with Chapter 173-340 WAC and its associated guidance document, Guidance for Remediation of Releases from Underground Storage Tanks, dated July, 1991. Even though the reports were not received within the required ninety days (WAC 173-340-450), they were evaluated on the merits of the cleanup only.

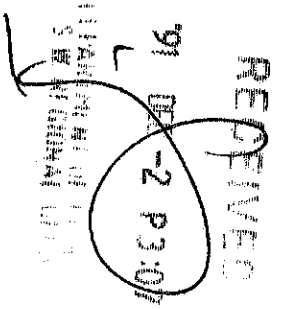
Based upon my review of this report, it appears that the Method A Cleanup Standards, outlined as Method A in WAC 173-340-740, have been met at this site for the contaminants of concern. Ecology does not foresee any further action needed at this time. In the event we receive any additional information regarding contamination at this site, Ecology retains the right to require any necessary investigations or cleanup.

GEORGE W. JOHNSON REALTORS

SINCE 1920

MR THOMAS TODD ESQUIRE

Thankyou For calling me today. I've enclosed a copy of the report. I called Larry & he told me he had previously sent the report weeks ago :). Please call me if the report is satisfactory (or not) Have a great Thanksgiving



7016 15th Ave. N.W. • Seattle, WA 98117 • 206-782-5900 • Fax: 206-783-3245

CHRISTINE O. GREGOIRE
Director

File

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

October 30, 1991

The Honorable Bob Utter
Judge of the Washington Supreme Court
Temple of Justice
Mail Stop AJ-11
Olympia, Washington 98504

Re: **Former Drew's Mobil Service Station at Trosper Road and Capitol Boulevard, Tumwater**

Dear Judge Utter:

The purpose of this letter is twofold. The first purpose is to request that you remove the barrels of investigative wastes that were left at this site after the remediation of the site took place. The second is to inquire about the progress of the remediation of the contamination that was found at this site.

You may not be aware of it, but the contractors that were hired to work on this site have left 10 to 15 55-gallon drums of investigative waste on the site. The staff of the Southwest Regional Office has received several inquiries/complaints about these drums. These wastes are typically soil and water drawn from the construction and development of monitoring wells. They are, at present, left in the open, unsecured. One that I have observed is tipped over on its side. If this one contained liquids, it is probable that the contents have leaked and may have re-contaminated the site. Not only are these drums an unresolved issue on the cleanup, but they may be an attractive nuisance. Ecology has seen instances where "midnight dumpers" will place their drums in a location where others such as these have been left. Further, if the drums contain substances other than petroleum, the storage in this manner may violate Chapter 70.105 RCW. As the owner of the site (generator of the wastes) it is your responsibility to make sure that the wastes are managed in a proper fashion. Please make the necessary arrangements to properly dispose of these wastes as soon as it is practical.

Secondly, to date, Ecology has not received the report that was required to be submitted to this office within 90 days of the discovery of a release. (WAC 173-340-450(4)(b)) As the contamination was discovered in December 1990, this report should have been submitted to Ecology by the end of March 1991. Briefly, the elements required in this characterization report are:

- A site conditions map,
- Available data regarding the possible fate and transport conditions of the contaminant (WAC 173-340-450(4)(b)(iii) gives a list of items to be covered),
- Results of the sampling done,
- Results of the free product investigation,
- Results of all completed site investigations, interim actions and cleanup actions, as well as your plans to finish the cleanup.

- Information on free product removal. The total amount of information needed to complete this section is also in WAC 173-340-450(4)(b)(vii)(A) through (G).

If ground water is threatened or impacted, a remedial investigation and feasibility study are required.

I am looking forward to hearing from you again in the near future. Please direct all reports and questions about this site to me. My telephone number is (206) 664-0301.

Sincerely,

W. Thomas Todd
LUST/Preremedial Unit Supervisor
Toxics Cleanup Program

WTT:fs

CHRISTINE O. GREGOIRE
Director

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

January 25, 1991

Mr. Justice Utter
Washington Supreme Court
Temple of Justice
Mail Stop AJ-11
Olympia, Washington 98504

Re: **Requirements for Reporting Environmental Conditions at LUST Contaminated Sites**

Dear Justice Bob Utter:

Thank you for reporting to the Department of Ecology (Ecology) the fact that you have found contamination due to a Leaking Underground Storage Tank (LUST) at **Drew's Mobil, corner of Trosper Road and Capitol Boulevard, Olympia, Washington.** Your report was required under regulations [Chapter 173-340 Washington Administrative Code (WAC)] adopted under the authority of the Model Toxics Control Act [Chapter 70.105D Revised Code of Washington (RCW)] or Initiative 97. The purpose of this letter is to outline the remaining requirements, with which you must comply, in order to satisfy the regulation. For your reference, a copy of the appropriate part (-450) of the regulation is enclosed. Also, I want to discuss with you the nature of the relationship between you and Ecology. This relationship is spelled out in the regulation, and in Ecology's policies for implementing the law and regulation. In advance, I apologize for the technical nature of this letter, but it must be so in order to give you a complete picture of what must be done in the near future at your site in order to meet the requirements of the law and regulation.

Cooperation with Ecology

The Model Toxics Control Act (MTCA) does encourage all investigations/cleanups which are protective of human health and the environment. It is the policy of Ecology to work cooperatively with potentially liable persons to accomplish prompt and effective cleanups. Cooperating with Ecology in planning or conducting a remedial action is not an admission of guilt or liability. But, Ecology's ability to work closely with the many sites, such as yours, of which we are aware is very limited. The MTCA, and its implementing regulation, mentioned above, specify two methods by which cleanups can occur. These are

1) an independent cleanup with little or no oversight from Ecology, or
2) investigate/cleanup with regulatory and technical oversight and review.

The first option allows property owners or operators to make all of the decisions concerning the investigation/cleanup and they retain all liability. The second option allows for technical and regulatory review by Ecology and is formalized by a consent decree or order under Chapter 70.105D RCW. Covenants not to sue are available within the consent decree process. But under these formal processes, Ecology's costs for

Diesel-range Compounds

TPH	8015 modified	8015 modified

Petroleum Compounds heavier than Diesel

TPH	418.1 modified	418.1 modified

Note: (TPH = Total Petroleum Hydrocarbons)
(BETX = Benzene, Ethylbenzene, Toluene, and Xylenes)

Recommended Analyses

Depending on the product characteristics, and the nature and extent of contamination, the following additional tests should be considered and may be required by the Ecology Site Manager.

Analysis	Method	Gasoline	Waste Oils
Flash Point	1010 or 1020	Product	
TCLP[2]	1311	Soil	Soil
EDB	504	Water	
PCB's	608		Water
	8080		Soil
Dissolved Metals (lead, chromium, copper, & zinc)	6010 & 7000 series		Water
Volatile Organics	601 & 602 OR 624		Water
	8010 & 8020 OR 8240		Soil
Phenols	604 or 625		Water
	8040 or 8270		Soil
PAH's	610 or 625		Water
	8100 or 8270		Soil

* The requirements for how to test are in the enclosed regulation in WAC 173-340-450(3)(a)(iii) through (v).
* The requirements for how to test are in the enclosed regulation in WAC 173-340-450(3)(a)(iii) through (v). You would be well advised to get someone who knows exactly what they are doing to collect these samples for you. In more than one occasion, projects such as yours were made needlessly more expensive by improper sampling.

[2]TCLP is not required for soils contaminated by leaks from a UST; however this exemption does not apply for other sources of petroleum contamination. The most obvious contaminants to look for in the TCLP are benzene and lead.

mg/kg is the equivalent of ppm (parts per Million)

* Waste oil and other hazardous substances will be addressed on a site specific basis, for the question of what is considered clean.

The numbers above are cleanup standards taken from WAC 173-340-700 through 750. According to the regulation you may, alternatively, propose different cleanup standards based upon mathematical calculations that are described in the regulations. These calculations involve using toxicity data to do a health based risk assessment. If you wish to propose alternate cleanup levels please call me for a copy of the appropriate regulation and guidance.

Financial Assistance

You should also be aware that financial assistance for cleanups is sometimes available in the form of cost sharing or mixed funding. The circumstances under which these funds will become available is if 1) the cleanup would be done faster by this method than if done by you alone; and if 2) the funding will prevent an undue hardship on you. An undue hardship is generally defined as bankruptcy or insolvency. You will need to enter into a Consent Decree with Ecology to receive these funds. The state cannot pay for previous cleanup work already performed, routine tank closures, or tank improvements. To request financial assistance you should call me to get the proper application form, complete the application form, and attach tax records for the past three years. The information provided will be run through a computer program that will help us determine eligibility for cost sharing.

Other Governmental Contacts

Several issues that you will deal with in the conduct of this cleanup are under the purview of other governmental agencies. The contaminated soils that are on the property are usually considered solid waste, as opposed to hazardous waste. In Washington the local Health Districts are the regulators of solid waste. Depending upon the method of remediation chosen, air pollution can be a concern. Three different air pollution authorities exist in this region and each has its own rules about discharge of air pollutants from petroleum cleanup sites. Therefore you should contact the appropriate authority to assist in determining the correct remedial technique that you will choose. Below is the Health Department and Air Pollution Authority that have responsibility in your area and their contact persons.

Steve Cook
Thurston County Health Department
2000 Lakeridge Drive
Olympia, Washington 98502
(206) 786-5461

Jim Wilson
Olympic Air Pollution Control Authority
120 State Avenue NE
Olympia, Washington 98501
206-586-0593 ext. 101

Receiving Facility: BURLINGTON ENVIRONMENTAL - KNT
20245 77TH AVE SOUTH
KENT , WA 98032
EPA ID: WAD-991-281-767

Generator: WASH DEPT OF ECOLOGY
(9971) MOTEL 6, ROOM 236
400 W. LEE STREET
TUMWATER , WA 98501-0000
EPA ID: WAD-988-521-662

15. WASTE IDENTIFICATION

LINE	A. Manifest Document Number	B. Date Recvd	C. STATE	D. STATE	E. Chem Nature O=org I=inorg	F. Waste Description	G. Handling Method/ Contain. Vessel	H. Dangerous Waste Numbers	I. Waste Designation DW or EHW	J. Weight of Waste	K. Code
1	34550	052893	L	OI		~~FLAMMABLE LIQUID/ALKALINE - UNKNOWN CONSTITUENTS~~ Methanol, Sodium Hydroxide, Water, oil	SO1C	D001 D002 WT02	D	7.51	P
	Receipt #: 7824										
	Profile #: 55304-~~00~~02										
2	34550	052893	L	OI		ETHANOL, WATER, OIL	SO1C	D001	D	7.51	P
	Receipt #: 7824										
	Profile #: 40430-09-00										
3	34550	052893	L	I		SODIUM HYDROXIDE SOLUTION	SO1C	D002	D	18.35	P
	Receipt #: 7824										
	Profile #: 40432-05-00										
4	34550	052893	L	I		HYDROCHLORIC ACID SOLUTION	SO1C	D002	D	9.17	P
	Receipt #: 7824										
	Profile #: 40431-08-00										
5	34550	052893	SL	IO		ABSORBENT PADS AND OIL	SO1C	WT02	D	8.34	P
	Receipt #: 7824										
	Profile #: 41060-53-00										

WASHINGTON STATE
DEPARTMENT OF ECOLOGY

Send To:
Washington Department of Ecology
Hazardous Waste Information & Planning
Attn: DW Notifications
P.O. Box 47658
Olympia, WA 98504-7658
(206) 459-6387

DEPARTMENTAL USE ONLY

REC'D
LOG
REVIEW
G/WAC
WA

FORM 2

NOTIFICATION OF DANGEROUS WASTE ACTIVITIES

1. ☐ A. FIRST NOTIFICATION (No previous application has been made for this site.)
☐ B. REVISED NOTIFICATION DATE (Complete all sections of the form. Enter existing site ID # in 1F.)
☐ C. WITHDRAW SITE ID # DATE (Complete Sections 1F, 2-8 & 13. Enter existing site ID # in 1F.)
☐ D. REACTIVATE SITE ID # (Complete all sections of the form. Enter previously assigned site ID # in 1F.)
☒ E. CANCEL SITE ID # DATE 12/31/93 (Site closed—no longer own or conduct business at this site. Complete Sections 1F, 2-8 & 13. Enter existing site ID # in 1F.)
☒ F. EXISTING SITE ID # WA D988521662 (Complete for items 1B, C, D & E only.)

2.A. WASHINGTON STATE DEPARTMENT OF REVENUE REGISTRATION (TAX) NUMBER

2.B. SIC CODE(S) PRIMARY: 9511 SECONDARY: OTHER:

2.C. TYPE OF BUSINESS CONDUCTED AT THIS SITE

3. NAME OF INSTALLATION
WDOE-SRO MOTEL SIX

4. LOCATION OF INSTALLATION (Attach site location map.)
Street: 400 WEST LEE ST
County Name: THURSTON
City or Town: TUMWATER
State: WA ZIP Code: 98501-

5. INSTALLATION MAILING ADDRESS
Street or P.O. Box: PO BOX 47775
City or Town: OLYMPIA
State: WA ZIP Code: 98504-7775

6.A. INSTALLATION CONTACT
Name (last): ROGOWSKI (first): DAVID
Job Title: OSC
Phone Number: 206-753-2353

6.B. INSTALLATION CONTACT MAILING ADDRESS
Street or P.O. Box: PO BOX 47775
City or Town: OLYMPIA
State: WA ZIP Code: 98504-7775

7.A. NAME OF INSTALLATION'S LEGAL OWNER
STATE OF WASHINGTON
Street or P.O. Box:
City or Town:
State: ZIP Code: -

7.B. PROPERTY OWNERSHIP (Also provide address in section 12 if different from 7A.)

7.C. OWNER TYPE	7.D. PROPERTY TYPE
S	☐

8.A. NAME OF INSTALLATION WDOE-SRO MOTEL SIX 8.B. SITE ID # WAD 988 52 1662
(Same as Item No. 3)

9. TYPES OF REGULATED DANGEROUS WASTE ACTIVITIES YOUR BUSINESS IS CONDUCTING (Read & follow instructions for this section carefully—Enter an "X" in any sections of 9.A., 9.B., or 9.C. below that may apply).

9.A. HAZARDOUS WASTE ACTIVITIES (See instructions for definitions of these activities).

☐ 1. GENERATOR ☐ 1a. Conduct on-site recycling

☐ 2. TRANSPORTER 2a. ☐ Transport Wastes Commercially (for hire).
2b. Modes of Transport: (1) ☐ Highway (2) ☐ Air (3) ☐ Rail (4) ☐ Water (5) ☐ *Other
(*Specify in comments)

☐ 3. MANAGEMENT FACILITY (TSD) 3a. ☐ Facility accepts wastes from OFF-SITE Generators.
3b. Process conducted or available at this facility;
(1) ☐ Treatment (2) ☐ Storage (3) ☐ Disposal
(4) ☐ Other (specify in comments).
3c. Current Part A ___/___/___
Part B Process ☐ Yes ☐ No

☐ 4. IMMEDIATE RECYCLER

☐ 5. PERMIT-BY-RULE FACILITY

☐ 6. MARKET OR BURN DANGEROUS WASTE FUELS—6a. ☐ Generator Marketing to Burner 6b. ☐ Other Marketer
6c. ☐ Burner. (COMPLETE 9c.—TYPE OF COMBUSTION DEVICE)

9.B. USED-OIL FUEL ACTIVITIES

☐ 1. OFF-SPECIFICATION USED-OIL FUELS—1a. ☐ Generator Marketing to Burner 1b. ☐ Other Marketer 1c. ☐ Burner (Complete 9c.)

☐ 2. SPECIFICATION USED-OIL FUEL MARKETER (or ON-SITE BURNER) WHO FIRST CLAIMS THE OIL MEETS THE SPECIFICATION.

9.C. DANGEROUS WASTE OR OFF-SPECIFICATION USED-OIL FUEL BURNING: TYPE OF COMBUSTION DEVICE.

(see instructions for definitions of combustion devices) 1. ☐ Utility Boiler 2. ☐ Industrial Boiler 3. ☐ Industrial Furnace.

10. WASTE IDENTIFICATION (Copy this page if you have more than 5 waste streams)

LINE NUMBER	A. DESCRIPTION OF WASTE(S)	B. DANGEROUS WASTE NUMBER(S)	C. ESTIMATED OR ACTUAL ANNUAL WASTE QUANTITY	WEIGHT CODE
1				
2				
3				
4				
5				

*. Complete sections A, B or C. Section D is mandatory.

11.A. ☐ (Batch Frequency_____) 11.B. ☐ PER MONTH 11.C. ☐ ONE-TIME ONLY

QUANTITY WEIGHT CODE

11.D. AMOUNT TO BE ACCUMULATED ON-SITE PRIOR TO SHIPMENT

QUANTITY WEIGHT CODE

12. COMMENTS

13. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME AND OFFICIAL TITLE (type or print)	DATE SIGNED
[signature]	David Rogowski SPILL RESPONSE	11/23/93

ECL (Rev. 5/92) BACK Frame

RETAIN A COPY FOR YOUR FILES

93-4550

Form 4 1990 GENERATOR ANNUAL DANGEROUS WASTE REPORT 1990 Form 4

PLEASE PRINT OR TYPE -- Blue or Black Ink Only — (Form designed for use on Elite (12 pitch) typewriter) Use spacebar between each character

PLACE THE LABEL HERE

You must complete Sections 1 through 4 in addition to placing the label here.
Do not cross out incorrect information.

FOR ECOLOGY USE ONLY

DATE RECEIVED

Init. _____ Date _____
Init. _____ Date _____

Revision ☐ Pages _____
Init. _____ Date _____

Keypunched ☐
Init. _____ Date _____

Verified _____ Date _____
Batch No. _____

☐A ☐B ☐C

FOR ECOLOGY USE ONLY

SEND TO:

DEPT. OF ECOLOGY
Hazardous Waste Section
Attn: Annual Reports
R/E No. 4
Mail Stop PV-11
Olympia, WA 98504-8711

Assistance 1-800-874-2022
(206) 459-6387

DUE DATE:

Postmarked
No Later Than
MARCH 1, 1991

WASHINGTON STATE DEPARTMENT OF ECOLOGY

1. EPA/STATE HAZARDOUS WASTE SITE IDENTIFICATION NUMBER: WAD988352662

2. COMPANY NAME: WDOE SOR

3. SITE CONTACT PERSON, AND TITLE: LAST Rogowski FIRST Dave TITLE OSC

PHONE NUMBER: 206 - 753 - 2353 ext.

4. COMPANY MAILING ADDRESS: 7272 CLEANWATER LANE
MS LU-11
CITY OLYMPIA STATE WA ZIP 98504 - 5811

5. SITE LOCATION ADDRESS: 900 West Lee St.
CITY Tumwater STATE WA ZIP 98501 -

6. SITE LOCATION COUNTY: Thurston

7. WASHINGTON DEPT. OF REVENUE REGISTRATION (UBI) NUMBER: ___ - ___ - ___

8. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES: PRIMARY 9511 SECONDARY OTHER

9. SITE EMPLOYMENT ON DECEMBER 31, 1990: 1

10. REGULATORY STATUS CERTIFICATION—Refer to the instructions and/or the "Guide For Hazardous Waste Generators" to complete this section. Mark only one entry by placing your initials in the space provided. If none of these conditions apply to you, skip this section and complete the continuation sheet(s).

A. ☐ B. ☐ C. ☐ D. ☐ E. BM X 40 lbs. F. ☐

11. CERTIFICATION—I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Brett Manning — PRINT OR TYPE NAME

Brett Manning — SIGNATURE (must be in ink)

8-11-93 — DATE SIGNED

Page 1 of 2 Pages

ECY 28 (10/90) -1518-act28- Rev. 1

Form 4 1990 3 **GENERATOR ANNUAL DANGEROUS WASTE REPORT** 1990 3 Form 4

12. YOUR EPA/STATE I.D. NUMBER: WAD988521662

13. RECEIVING FACILITY (TSD) EPA/STATE I.D. NUMBER: WAD991281767
NAME: Burlington Environmental
ADDRESS: 20245 76th Ave S.
City: Kent, State: WA ZIP: 98032

14. TRANSPORTER EPA/STATE I.D. NUMBER: WAD988496624 9
NAME: Olympus Environmental
ADDRESS: P.O. Box 1064
City: Kent, State: WA ZIP: 98035

15. WASTE IDENTIFICATION LINE	A. Manifest Document Number	B. Manifest Shipment Date (MM DD YY)	C. Status	D. Physical State S=Solid L=Liquid G=Sludge M=Compressed Gas	E. Chemical Nature O=Organic I=Inorganic	F. Waste Description (see instructions)	G. Dangerous Waste Number (see instructions and WAC 173-303)	H. Waste Designation D=DW E=EHW	I. Amount of Waste	J. WECIODGHET	K. For TSD Facility Use Only
1	34550	5-28-93		L		Alcohol, Sodium Hydroxide	D001 D002	DW	8	P	
2	"	"		L		Sodium Hydroxide	D002	DW	16	P	
3	"	"		L		Hydrochloric Acid	D002	DW	8	P	
4	"	"		L		Ethanol	D001	DW	8	P	
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15									total: 40	P	

16. COMMENTS (Enter information by section and/or line number—see instructions).

Mary Riveland
~~CHRISTINE O. GREGOIRE~~
Director

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

June 7, 1993

Mr. Dick Shabro
Olympus Environmental, Inc.
P.O. Box 1064
Kent WA 98035-1064

Re: Emergency Disposal of Drug Lab Wastes, Thurston County

Dear Mr. Shabro:

On May 28, 1993, the Department of Ecology requested your company's services to collect, sample, analyze, and properly dispose of hazardous wastes associated with a suspected clandestine drug manufacturing operation located at:

Room 236, Motel 6
400 West Lee Street
Tumwater, WA 98501

Ecology's response was made at the request of SGT Gary Sundt, Washington State Patrol. Authority for this action is found in RCW 70.105D and RCW 69.50. Other Ecology rules and regulations may apply.

EPA Identification Number:	WAD 988521662
Olympus Job Number:	93-4550
Ecology Case Number:	S7832

The property owners are believed to be Wes and Jenny Troyer of 400 W. Lee ST, Tumwater, WA (this information has not yet been verified by the Assessor's Office). The primary responsible parties are David Salavierio, address unknown, and Allen L. Smith, P.O. Box 204, Bucoda, WA 98530. Cost recovery will be appropriate.

Response was also made by Olympia HazMat, Tumwater Fire Department, and Thurston County Health Department.

Arrests were made.

Law Enforcement Case Number: WSP 93-008684

Thank you for your assistance in this matter. If you have any questions or require additional information, please contact me at (206) 753-2353.

Sincerely,

David Rogowski
Spill Response Team
Southwest Regional Office

lar
cc: Larry Dibble, Olympia HazMat
Mike Burnett, TCHD
Eric Heinitz, Ecology
Marian Bruner, Ecology
Jim Oberlander, Ecology

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

June 1, 2015

Mr. Erik Larsen
Antea Group
4006 148th Avenue NE
Redmond, WA 98052

Re: No Further Action at the following Site:

- **Site Name:** BP Service Station 03158/Conoco Phillips (Ranked: 3)
- **Site Address:** 501 Trosper Road SW, Tumwater, WA 98512
- **Facility/Site No.:** 69587682
- **Cleanup Site ID No.:** 7115
- **VCP Project No.:** SW1142

Dear Mr. Larsen:

The Washington State Department of Ecology (Ecology) received your request for an opinion on your independent cleanup of the BP Service Station 03158/Conoco Phillips facility (Site). This letter provides our opinion. We are providing this opinion under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

Issue Presented and Opinion

Is further remedial action necessary to clean up contamination at the Site?

No. Ecology has determined that no further remedial action is necessary to clean up contamination at the Site.

This opinion is based on an analysis of whether the remedial action meets the substantive requirements of MTCA, Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC (collectively "substantive requirements of MTCA"). The analysis is provided below.

Description of the Site

This opinion applies only to the Site described below. The Site is defined by the nature and extent of contamination associated with the following release:

- Petroleum constituents in Soil and Groundwater

Please note a parcel of real property can be affected by multiple sites. At this time, we have no information that the parcel(s) associated with this Site are affected by other sites.

Basis for the Opinion

This opinion is based on the information contained in the following documents:

1. No Further Action Request, Former Pacific Convenience and Fuels Site #2705577, Tumwater, WA, dated January 21, 2015 by Antea USA, Inc. (Antea).

2. Well Installation Report, Former Pacific Convenience and Fuels Site #2705577, 501 Trosper Road SW, Tumwater, WA, dated January 20, 2015 by Antea.

3. Annual Groundwater Monitoring Report Year of 2014, Former Pacific Convenience and Fuels Site #2705577, 501 Trosper Road SW, Tumwater, WA, dated January 20, 2015 by Antea.

These documents are kept in the Central Files of the Southwest Regional Office of Ecology (SWRO) for review by appointment only. You can make an appointment by calling the SWRO resource contact at (360) 407-6365.

This opinion is void if any of the information contained in these documents is materially false or misleading.

Analysis of the Cleanup

Ecology has concluded that **no further remedial action** is necessary to clean up contamination at the Site. That conclusion is based on the following analysis:

1. Characterization of the Site.

Ecology has determined your characterization of the Site is sufficient to establish cleanup standards and select a cleanup action. The Site is described below.

The Site is a former Circle-K convenience store and retail fueling station located at 501 Trosper Road SW, Olympia, Thurston County, Washington. The station has operated under various retail gasoline company brands including Exxon, British Petroleum, Tosco, Conoco Phillips, Pacific Convenience and Fuels, and most recently a Fred Meyer

gasoline station. Surrounding land use is primarily designated commercial. The Site location is shown on Figure 1 included in the Enclosures.

Delta Environmental (Delta) performed subsurface investigations in October 1991 and again in January 1992. Soil and groundwater samples were collected and tested for petroleum constituents. Soil in the area of the former underground storage tank (UST) nest exceeded the MTCA Method A Cleanup Levels. In addition, groundwater near the former UST nest and downgradient of the current UST nest exceeded the MTCA Method A Cleanup Levels. Free phase product was also found in MW-2 and MW-8 near the former UST nest.

Delta conducted additional subsurface investigations in 1995, including installation of additional groundwater monitoring wells and nested air sparging wells.

AGRA Earth and Environmental (AGRA) oversaw the removal of a waste oil UST, a heating oil UST, three hoists, two dispenser islands, and an oil/water separator from the property in April 1995. All confirmation soil samples collected were reported to be below the laboratory method detection limits, with the exception of samples collected from the oil/water separator. This area was not able to be excavated completely due to the possible effects on the station building.

In October 1996, Delta advanced three borings at the Site to investigate cleanup progress.

In February 2003, a leak beneath the northeast product dispenser was reported. SECOR International, Inc. (SECOR) investigated this leak in April 2004. SECOR removed an unspecified volume of pea gravel from the leak area, and collected confirmation soil samples from the area. SECOR also advanced three borings immediately surrounding the leak area (including one angle boring to collect soil samples from directly below the release area). Analytical results from the samples did not show any analytes above the MTCA Method A Cleanup Levels.

In September 2010, Delta advanced additional borings and installed an additional monitoring well. Soil samples were collected and tested for petroleum constituents. None of the tested constituents were detected above method detection limits. Historical analytical results are presented in Table 1 included in the Enclosures.

Ecology issued an opinion letter on April 19, 2011 outlining the need for additional soil and groundwater investigation in specific areas across the Site, including near the former oil/water separator and near wells MW-2 and MW-8. A detailed discussion of the proposed remedial strategy of natural attenuation was also requested.

Antea directed the drilling of 18 borings at the Site in May and June 2012 in response to Ecology's comments. None of the soil samples collected during the boring program exceeded their respective MTCA Method A Cleanup Levels for the tested constituents. These results are summarized on Figure 3 included in the Enclosures.

The station building and gasoline dispensing operations were shut down and removed in November 2012. Following the demolition and removal of the facility structures, Antea directed excavation activities in areas where potential subsurface soil impacts were remaining. Two areas were excavated, one near MW-6 where groundwater exceeds the applicable MTCA Method A Cleanup Levels and one near the former oil/water separator where impacted soil was left in place due to the presence of the building. Soil samples were collected from the base and sidewalls of each excavation and from the stockpiled soils. None of the soil samples collected exceeded their respective MTCA Method A Cleanup Levels for the tested constituents. The stockpiled soils were returned to the excavations. Analytical results from the excavation activities are presented in Figure 5 included in the Attachments. An oxygen release compound was added to the excavation near MW-6 to promote degradation of the petroleum hydrocarbons noted in groundwater in that area.

Antea returned to the Site in January 2014 to install additional groundwater monitoring wells (MW-14, MW-15, and MW-16). Soil and groundwater samples were collected from each of the boring locations and submitted to the laboratory for analysis. None of the tested constituents were detected above their respective method detection limits in any of the samples. Groundwater samples from these wells in addition to MW-10 were collected for four quarters. None of the tested constituents were detected above their respective method detection limits in any sample for any of the four quarters. The results of these quarterly sampling rounds as well as all historic groundwater results from all wells on the Site, are shown on Table 2 included in the Enclosures.

Soils underlying the Site are comprised of tan sandy silt grading to a fine to medium sand with silt to the total depth explored of approximately 42 feet below ground surface (bgs).

Groundwater was encountered at approximately 25 feet bgs. The direction of groundwater flow beneath the Site is east to northeast with a gradient ranging from 0.006 to 0.011. Groundwater monitoring has been conducted at the Site since 1992. The groundwater contour map generated during the October 2014 sampling event is included as Figure 7 in the Enclosures.

2. Establishment of cleanup standards.

Ecology has determined the cleanup levels and points of compliance you established for the Site meet the substantive requirements of MTCA.

a. Cleanup levels.

MTCA Method A Cleanup Levels for unrestricted land use for soil and groundwater were used to characterize and determine compliance for the Site.

b. Points of compliance.

Standard points of compliance were used for the Site. The point of compliance for protection of groundwater was established in the soils throughout the Site. For soil cleanup levels based on human exposure via direct contact or other exposure pathways where contact with the soil is required to complete the pathway, the point of compliance was established in the soils throughout the Site from the ground surface to 15 feet bgs. In addition, the point of compliance for the groundwater was established throughout the Site from the uppermost level of the saturated zone extending vertically to the lowest most depth that could potentially be affected by the Site.

3. Selection of cleanup action.

Ecology has determined the cleanup action you selected for the Site meets the substantive requirements of MTCA.

Cleanup actions conducted at the Site to date have included installation and operation of an air sparge/soil vapor extraction system (AS/SVE) and limited soil excavation and disposal of impacted soils. Enhanced monitored natural attenuation has been implemented at the Site.

4. Cleanup.

Ecology has determined the cleanup you performed meets the cleanup standards established for the Site.

An indeterminate quantity of soil was removed from underneath a leaking fuel dispenser and an AS/SVE system was operated between 1995 and 1998. Additional soil excavation and sampling has been conducted in two areas in November 2012 and confirmed that there are no remaining impacts greater than MTCA Method A Cleanup Levels in these

areas (MW-6 and near the oil/water separator). Confirmation soil samples collected from borings advanced near MW-2 and MW-8 did not exceed the MTCA Method A Cleanup Levels for the tested constituents. Replacement wells were installed and groundwater samples were collected from the all remaining wells on the Site. All the groundwater samples have been below method detection limits for four or more quarters.

Listing of the Site

Based on this opinion, Ecology will initiate the process of removing the Site from our lists of hazardous waste sites, including:

- Hazardous Sites List.
- Confirmed and Suspected Contaminated Sites List.

That process includes public notice and opportunity to comment. Based on the comments received, Ecology will either remove the Site from the applicable lists or withdraw this opinion.

Limitations of the Opinion

1. Opinion does not settle liability with the state.

Liable persons are strictly liable, jointly and severally, for all remedial action costs and for all natural resource damages resulting from the release or releases of hazardous substances at the Site. This opinion **does not**:

- Resolve or alter a person's liability to the state.
- Protect liable persons from contribution claims by third parties.

To settle liability with the state and obtain protection from contribution claims, a person must enter into a consent decree with Ecology under RCW 70.105D.040(4).

2. Opinion does not constitute a determination of substantial equivalence.

To recover remedial action costs from other liable persons under MTCA, one must demonstrate that the action is the substantial equivalent of an Ecology-conducted or Ecology-supervised action. This opinion does not determine whether the action you performed is substantially equivalent. Courts make that determination. *See* RCW 70.105D.080 and WAC 173-340-545.

3. State is immune from liability.

The state, Ecology, and its officers and employees are immune from all liability, and no cause of action of any nature may arise from any act or omission in providing this opinion. *See* RCW 70.105D.030(1)(i).

Termination of Agreement

Thank you for cleaning up the Site under the Voluntary Cleanup Program (VCP). This opinion terminates the VCP Agreement governing this project (#SW1142).

For more information about the VCP and the cleanup process, please visit our web site: www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm. If you have any questions about this opinion or the termination of the Agreement, please contact me by phone at 360-407-7263 or e-mail at tmid461@ecy.wa.gov.

Sincerely,

Thomas Middleton L.HG.
SWRO Toxics Cleanup Program

TMM: knf

By certified mail: 9171999991703489835575

Enclosures:
Figure 1 – Site Location Map
Table 1 – Summary of Soil Sample Analytical Results
Figure 3 – Soil Analytical Results Map (May to June 2012)
Figure 5 – Excavation Soil Analytical Results Map (Dec 2012)
Table 2 – Current and Historical Groundwater Analytical Results
Figure 7 – Groundwater Elevation Contour Map (Oct 2014)

cc: Gerald Tousley - Thurston County Health Department
Scott Rose – Ecology
Carol Johnston - Ecology
Dolores Mitchell – Ecology

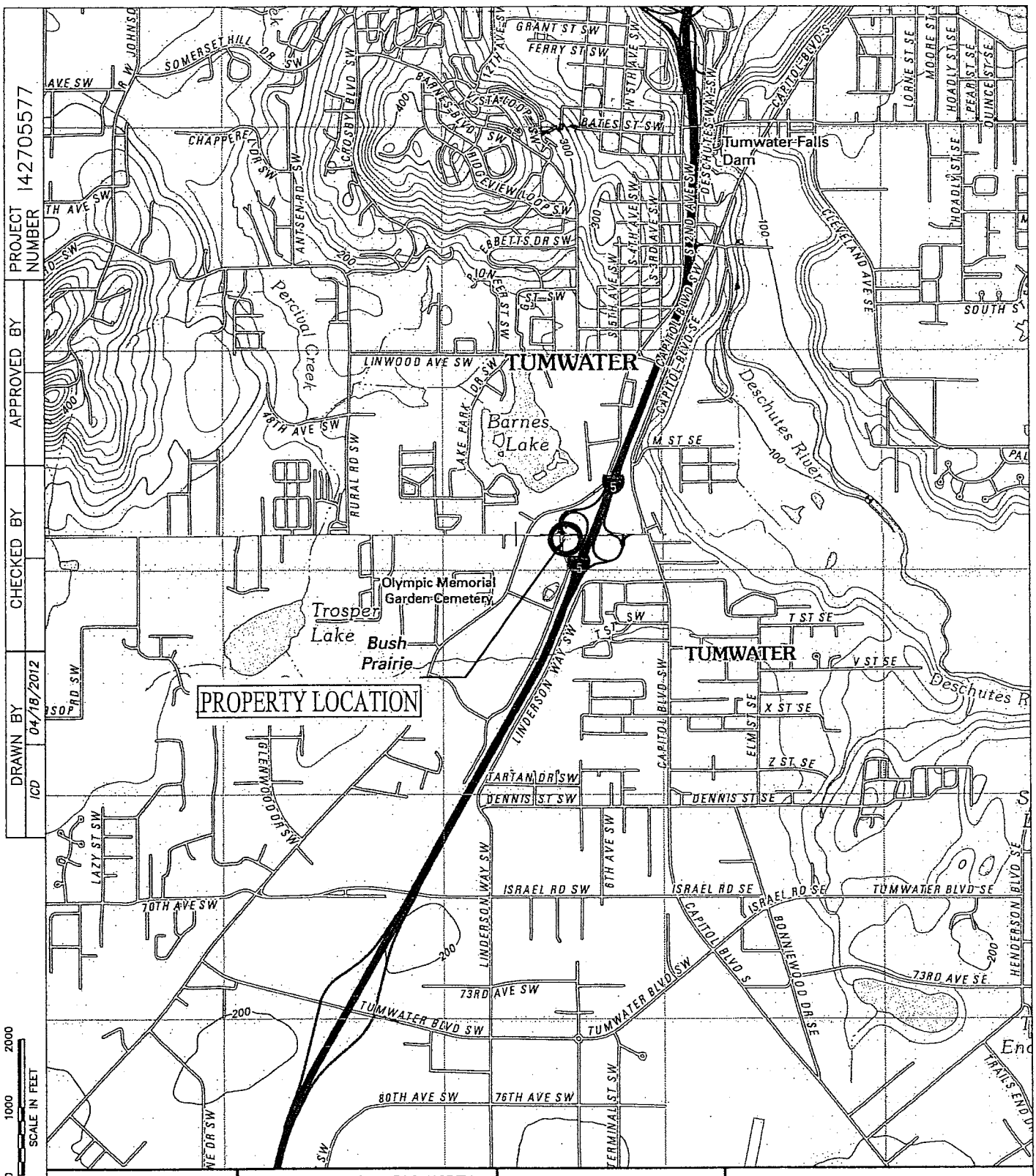

PROJECT NUMBER 142705577
APPROVED BY
CHECKED BY
DRAWN BY ICD 04/18/2012
PROPERTY LOCATION
TUMWATER
Tumwater Falls Dam
Barnes Lake
Trosper Lake
Bush Prairie
Olympic Memorial Garden Cemetery
Percival Creek
Deschutes River
LINWOOD AVE SW
CAPITOL BLVD SE
LINDERSON WAY SW
TUMWATER BLVD SW
TUMWATER BLVD SE
ISRAEL RD SW
ISRAEL RD SE
DENNIS ST SW
DENNIS ST SE
73RD AVE SW
73RD AVE SE
70TH AVE SW
80TH AVE SW
76TH AVE SW
BONNIEWOOD DR SE
HENDERSON BLVD SE
SCALE IN FEET
0
1000
2000
PROPERTY
LATITUDE 46D 59M 59S NORTH
LONGITUDE 122D 54M 49S WEST
U.S. GEOLOGICAL SURVEY – 2011
7.5 MINUTE QUADRANGLE MAP
TUMWATER, WASHINGTON
N
W
E
S
anteagroup
FORMER CONOCOPHILLIPS
FACILITY No. 2705577
FIGURE 1
PROPERTY LOCATION MAP
501 TROSPER ROAD SW
TUMWATER, WASHINGTON

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
Former Pacific Convenience and Fuels Facility No. 2705577
501 Trosper Road SW
Tumwater, Washington

Sample ID	Sample Date	Depth BGS (feet)	Analysis							
			Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Heavy Range (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Lead (mg/kg)
B-1R-6	07/06/12	6	<6.5	<17.9	<71.5	<0.0034	<0.0034	<0.0034	<0.0102	7.9
B-1R-10	07/06/12	10	<6.4	<17.2	<68.7	<0.0034	<0.0034	<0.0034	<0.0102	2.7
B-1R-15	07/06/12	15	<6.2	<16.8	<67.4	<0.0035	<0.0035	<0.0035	<0.0105	2.0
B-IR-20	07/06/12	20	<5.9	<16.6	<66.3	<0.0031	<0.0031	<0.0031	<0.0094	2.1
B-1R-25	07/06/12	25	<5.7	<17.4	<69.6	<0.0030	<0.0030	<0.0030	<0.0091	2.3
B-2R-6	07/06/12	6	<6.8	<18.1	<72.4	<0.0036	0.0077	<0.0036	0.0255	3.5
B-2R-10	07/06/12	10	<6.4	<17.0	<67.9	<0.0034	0.0041	<0.0034	0.0124	3.3
B-2R-15	07/06/12	15	<6.1	<16.8	<67.3	<0.0035	<0.0035	<0.0035	<0.0106	2.8
B-2R-20	07/06/12	20	<5.7	<16.9	<67.8	<0.0030	<0.0030	<0.0030	<0.0091	4.8
B-2R-25	07/06/12	25	<6.6	<18.8	<75.2	<0.0034	<0.0034	<0.0034	<0.0102	2.7
B-3R-6	07/06/12	6	<6.3	<18.3	<73.2	<0.0035	0.0124	0.0042	0.0443	4.2
B-3R-10	07/06/12	10	<6.8	<18.3	<73.1	<0.0034	0.0071	<0.0034	0.0292	3.6
B-3R-15	07/06/12	15	<6.2	<16.9	<67.4	<0.0034	<0.0034	<0.0034	<0.0102	2.8
B-3R-20	07/06/12	20	<5.8	<17.1	<68.4	<0.0031	<0.0031	<0.0031	<0.0094	4.0
B-3R-25	07/06/12	25	<5.3	<16.7	<66.7	<0.0029	<0.0029	<0.0029	<0.0086	3.2
B-4R-6	07/06/12	6	<6.0	<17.3	<69.1	<0.0029	<0.0029	<0.0029	<0.0087	4.2
B-4R-10	07/06/12	10	<7.7	<18.9	<75.8	<0.0039	<0.0039	<0.0039	<0.0116	5.2
B-4R-15	07/06/12	15	<5.9	<16.7	<66.7	<0.0032	<0.0032	<0.0032	<0.0097	2.4
B-4R-20	07/06/12	20	<6.4	<16.7	<66.9	<0.0034	<0.0034	<0.0034	<0.0101	2.3
B-4R-25	07/06/12	25	<6.7	<17.7	<70.8	<0.0034	<0.0034	<0.0034	<0.0101	3.2
B-5R-6	07/06/12	6	<6.0	22.2	162	<0.0032	<0.0032	<0.0032	<0.0095	23.3
B-5R-10	07/06/12	10	<6.3	18.1	238	<0.0034	<0.0034	<0.0034	0.0157	10.5
B-5R-15	07/06/12	15	<6.2	<16.7	<66.9	<0.0031	<0.0031	<0.0031	<0.0092	2.4

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
Former Pacific Convenience and Fuels Facility No. 2705577
501 Trosper Road SW
Tumwater, Washington

Sample ID	Sample Date	Depth BGS (feet)	Analysis							
			Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Heavy Range (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Lead (mg/kg)
B-5R-20	07/06/12	20	<5.9	<16.7	<66.9	<0.0032	<0.0032	<0.0032	<0.0097	1.9
B-5R-25	07/06/12	25	<5.8	<17.7	<70.9	<0.0030	<0.0030	<0.0030	<0.0091	2.2
B-6R-10	07/06/12	10	<5.5	81.5	810	<0.0031	0.0038	<0.0031	0.0127	15.7
B-6R-15	07/06/12	15	<6.3	<17.4	<69.5	<0.0034	<0.0034	<0.0034	<0.0103	3.0
B-6R-20	07/06/12	20	<5.8	<16.7	<66.9	<0.0033	<0.0033	<0.0033	<0.0099	2.2
B-6R-25	07/06/12	25	<7.3	<16.5	<65.9	<0.0034	<0.0034	<0.0034	<0.0102	2.2
B-7-6	05/24/12	6	<6.9	<18.2	<72.7	<0.0029	<0.0029	<0.0029	<0.0087	4.2
B-7-20	05/24/12	20	<7.1	<16.5	<66.0	<0.0033	<0.0033	<0.0033	<0.0098	2.1
B-7-25	05/24/12	25	<6.6	<16.9	<67.7	<0.0030	<0.0030	<0.0030	<0.0089	2.3
B-8-6	05/24/12	6	<7.1	<18.5	<74.1	<0.0033	<0.0033	<0.0033	<0.010	3.4
B-8-20	05/24/12	20	<6.2	<17.1	<68.2	<0.0031	<0.0031	<0.0031	<0.0093	2.2
B-8-25	05/24/12	25	<6.0	<17.2	<68.8	<0.0025	<0.0025	<0.0025	<0.0076	2.2
B-9-6	05/24/12	6	<7.1	<18.1	<72.6	<0.0034	<0.0034	<0.0034	<0.0101	2.6
B-9-20	05/24/12	20	<6.0	<16.7	<66.9	<0.0031	<0.0031	<0.0031	<0.0092	2.0
B-9-25	05/24/12	25	<5.4	<17.0	<68.1	<0.0027	<0.0027	<0.0027	<0.0082	1.8
B-10-6	05/24/12	6	<6.9	<17.9	<71.7	<0.0033	<0.0033	<0.0033	<0.0098	3.5
B-11-6	05/24/12	6	<6.8	<17.7	<70.9	<0.0032	<0.0032	<0.0032	<0.0096	2.9
B-11-20	05/24/12	20	7.1	<17.7	<70.8	<0.0026	<0.0026	<0.0026	<0.0077	3.1
B-11-25	05/24/12	25	<5.7	<16.5	<66.1	<0.0031	<0.0031	<0.0031	<0.0092	1.9
B-12-6	07/06/12	6	<6.4	<17.4	<69.7	<0.0032	<0.0032	<0.0032	<0.0096	4.9
B-12-10	07/06/12	10	<6.9	<17.5	<70.0	<0.0036	<0.0036	<0.0036	<0.0109	3.2
B-12-15	07/06/12	15	<7.3	<19.9	<79.5	<0.0033	<0.0033	<0.0033	<0.0098	4.5
B-12-20	07/06/12	20	<5.8	<16.7	<66.8	<0.0033	<0.0033	<0.0033	<0.0099	2.2
B-12-25	07/06/12	25	<7.0	<18.5	<74.2	<0.0034	<0.0034	<0.0034	<0.0102	2.0

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501 Trosper Road SW
Tumwater, Washington

Sample ID	Sample Date	Depth BGS (feet)	Analysis							
			Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Heavy Range (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Lead (mg/kg)
EXCAVATION SOIL SAMPLES										
EX-N-25	12/10/12	25	<6.2	<21.1	<84.5	<0.0045	<0.0045	<0.0045	<0.013	5.4
EX-NE-25	12/10/12	25	<7.2	<21.0	<83.8	<0.0051	<0.0051	<0.0051	<0.015	5.6
EX-NW-25	12/10/12	25	<6.1	<21.3	<85.1	<0.0043	<0.0043	<0.0043	<0.013	5.9
EX-E-25	12/10/12	25	<6.1	<21.6	<86.4	<0.0048	<0.0048	<0.0048	<0.014	5.1
EX-W-25	12/10/12	25	<6.2	<21.7	<86.9	<0.0051	<0.0051	<0.0051	<0.015	5.1
EX-SE-25	12/10/12	25	<6.0	<21.5	<86.0	<0.0046	<0.0046	<0.0046	<0.014	5.1
EX-SW-25	12/10/12	25	<6.2	<21.5	<85.9	<0.0047	<0.0047	<0.0047	<0.014	6.3
EX-S-25	12/10/12	25	<6.0	<21.3	<85.3	<0.0047	<0.0047	<0.0047	<0.014	5.4
EX-B1-25	12/10/12	25	<6.1	<21.9	<87.6	<0.0053	<0.0053	<0.0053	<0.016	5.1
EX-B2-25	12/10/12	25	<5.8	<21.2	<84.8	<0.0048	<0.0048	<0.0048	<0.014	5.2
EX-B3-25	12/10/12	25	<6.1	<21.4	<85.4	<0.0045	<0.0045	<0.0045	<0.014	5.3
OW-N-6	12/11/12	6	<6.2	<23.4	<93.6	<0.0050	<0.0050	<0.0050	<0.015	6.1
OW-E-6	12/11/12	6	<6.4	<23.2	<93.0	<0.0050	<0.0050	<0.0050	<0.015	6.9
OW-W-6	12/11/12	6	<6.3	<23.5	<94.1	<0.0054	<0.0054	<0.0054	<0.016	6.2
OW-S-6	12/11/12	6	<5.7	<22.9	<91.5	<0.0045	0.0055	<0.0045	<0.013	7.3
OW-B-6	12/11/12	6	<6.4	<23.5	<94.0	<0.0050	<0.0050	<0.0050	<0.015	5.9
STOCKPILE SOIL SAMPLES										
SP-1	12/10/12	NA	<6.1	<21.8	<87.0	<0.0046	<0.0046	<0.0046	<0.014	5.6
SP-2	12/10/12	NA	<5.5	<23.1	<92.6	<0.0046	<0.0046	<0.0046	<0.014	14.0
SP-3	12/10/12	NA	<6.1	<23.0	<91.9	<0.0046	<0.0046	<0.0046	<0.014	12.4
SP-4	12/10/12	NA	<6.2	<23.2	<92.8	<0.0047	<0.0047	<0.0047	<0.014	19.2
SP-5	12/11/12	NA	<6.2	<22.1	<88.2	<0.0044	<0.0044	<0.0044	<0.013	8.9
SP-6	12/11/12	NA	<5.7	<21.7	<87.0	<0.0044	<0.0044	<0.0044	<0.013	7.1
SP-7	12/11/12	NA	<6.1	<22.9	<91.7	<0.0050	<0.0050	<0.0050	<0.015	6.7
MTCA Method A Cleanup Levels:			**100/30[a]**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**	**250**

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			Gasoline Range (mg/kg)	Diesel Range (mg/kg)	Heavy Range (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Lead (mg/kg)

NOTES:

All concentrations are in mg/kg (ppm).

< = Less than the stated laboratory reporting limit.

NA = Not applicable

Gasoline range = Gasoline range hydrocarbons by Ecology Method NWTPH-Gx

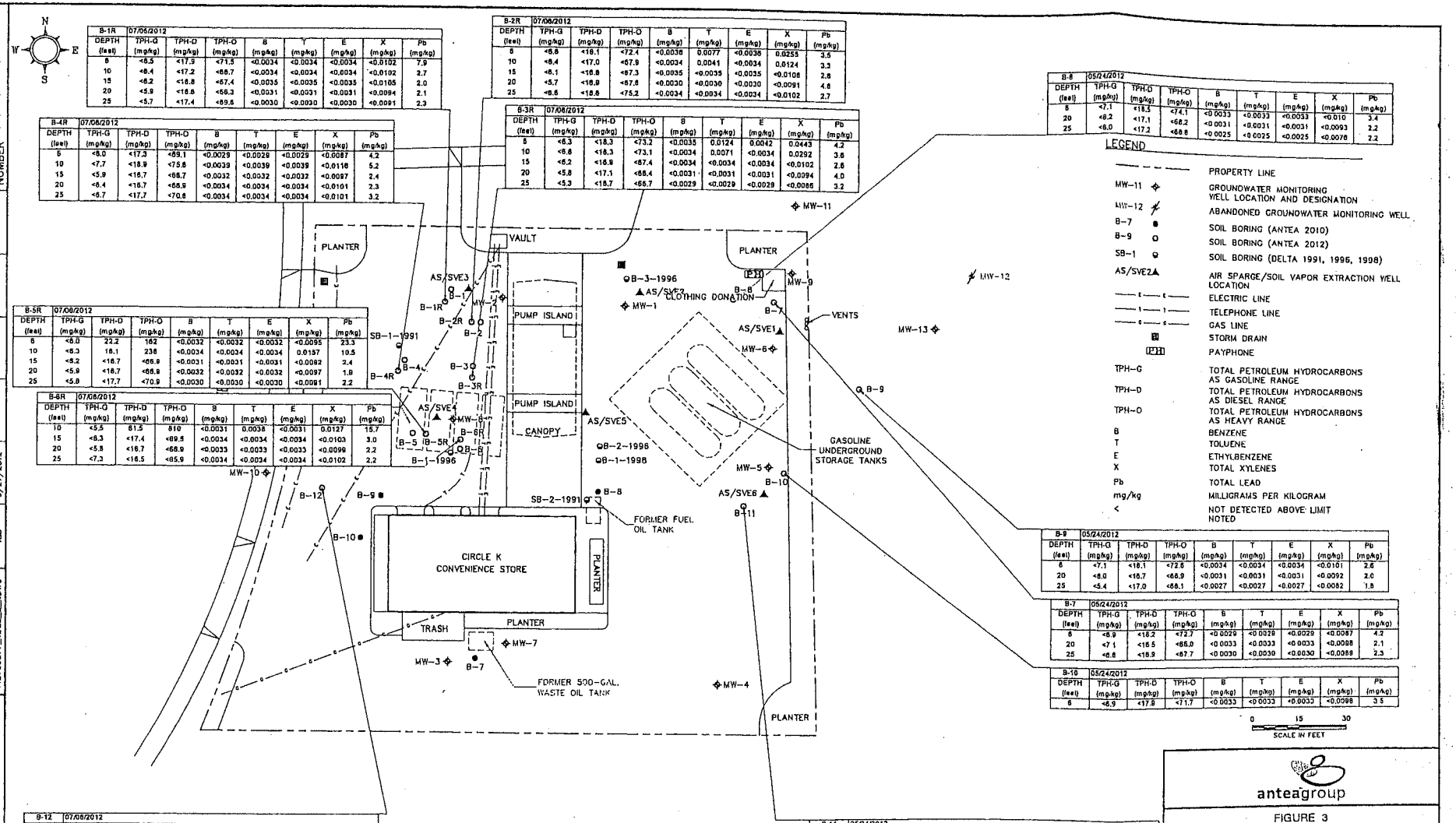
Diesel and Heavy range hydrocarbons, respectively, by Ecology Method NWTPH-Dx with Acid Silica Gel Cleanup

Benzene, toluene, ethylbenzene, total xylenes by EPA Method 8260

Total lead by EPA 6010

[a] MTCA Method A Cleanup levels for TPH-g are 100 mg/kg when no Benzene is present and 30 mg/kg when Benzene is present

PROJECT NUMBER 142705577 | APPROVED BY | CHECKED BY | DRAWN BY 9/27/2012 | FILENAME 142705577_1201_2_1.DWG



B-1R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.5	<17.9	<71.5	<0.0034	<0.0034	<0.0034	<0.0102	7.9
10	<5.4	<17.2	<68.7	<0.0034	<0.0034	<0.0034	<0.0102	2.7
15	<5.2	<16.8	<67.4	<0.0035	<0.0035	<0.0035	<0.0105	2.0
20	<5.9	<16.6	<66.3	<0.0031	<0.0031	<0.0031	<0.0094	2.1
25	<5.7	<17.4	<69.6	<0.0030	<0.0030	<0.0030	<0.0091	2.3

B-2R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.8	<18.1	<72.4	<0.0036	0.0077	<0.0036	0.0255	3.5
10	<5.4	<17.0	<67.9	<0.0034	0.0041	<0.0034	0.0124	3.3
15	<5.1	<16.8	<67.3	<0.0035	<0.0035	<0.0035	<0.0106	2.8
20	<5.7	<16.9	<67.6	<0.0030	<0.0030	<0.0030	<0.0091	4.8
25	<5.6	<16.8	<75.2	<0.0034	<0.0034	<0.0034	<0.0102	2.7

B-4R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.0	<17.3	<69.1	<0.0029	<0.0029	<0.0029	<0.0087	4.2
10	<7.7	<18.9	<75.6	<0.0039	<0.0039	<0.0039	<0.0116	5.2
15	<5.9	<16.7	<66.7	<0.0032	<0.0032	<0.0032	<0.0097	2.4
20	<5.4	<16.7	<66.9	<0.0034	<0.0034	<0.0034	<0.0101	2.3
25	<5.7	<17.7	<70.8	<0.0034	<0.0034	<0.0034	<0.0101	3.2

B-3R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.3	<18.3	<73.2	<0.0035	0.0124	0.0042	0.0443	4.2
10	<5.6	<18.3	<73.1	<0.0034	0.0071	<0.0034	0.0292	3.6
15	<5.2	<16.9	<67.4	<0.0034	<0.0034	<0.0034	<0.0102	2.6
20	<5.8	<17.1	<68.4	<0.0031	<0.0031	<0.0031	<0.0094	4.0
25	<5.3	<16.7	<66.7	<0.0029	<0.0029	<0.0029	<0.0086	3.2

B-5R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.0	22.2	152	<0.0032	<0.0032	<0.0032	<0.0095	23.3
10	<5.3	18.1	238	<0.0034	<0.0034	<0.0034	0.0157	10.5
15	<5.2	<16.7	<66.9	<0.0031	<0.0031	<0.0031	<0.0092	2.4
20	<5.9	<16.7	<66.8	<0.0032	<0.0032	<0.0032	<0.0097	1.8
25	<5.8	<17.7	<70.9	<0.0030	<0.0030	<0.0030	<0.0091	2.2

B-6R	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
10	<5.5	81.5	810	<0.0031	0.0038	<0.0031	0.0127	15.7
15	<5.3	<17.4	<69.5	<0.0034	<0.0034	<0.0034	<0.0103	3.0
20	<5.8	<16.7	<66.9	<0.0033	<0.0033	<0.0033	<0.0099	2.2
25	<7.3	<16.5	<65.9	<0.0034	<0.0034	<0.0034	<0.0102	2.2

B-8	05/24/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<7.1	<18.2	<74.1	<0.0033	<0.0033	<0.0033	<0.010	3.4
20	<8.2	<17.1	<68.2	<0.0031	<0.0031	<0.0031	<0.0093	2.2
25	<8.0	<17.2	<68.8	<0.0025	<0.0025	<0.0025	<0.0076	2.2

B-9	05/24/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<7.1	<18.1	<72.6	<0.0034	<0.0034	<0.0034	<0.0101	2.6
20	<8.0	<16.7	<66.9	<0.0031	<0.0031	<0.0031	<0.0092	2.0
25	<5.4	<17.0	<68.1	<0.0027	<0.0027	<0.0027	<0.0082	1.8

B-7	05/24/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.9	<18.2	<72.7	<0.0029	<0.0029	<0.0029	<0.0087	4.2
20	<7.1	<16.5	<66.0	<0.0033	<0.0033	<0.0033	<0.0098	2.1
25	<6.8	<18.9	<67.7	<0.0030	<0.0030	<0.0030	<0.0088	2.3

B-10	05/24/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.9	<17.9	<71.7	<0.0033	<0.0033	<0.0033	<0.0098	3.5

B-11	05/24/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.8	<17.7	<70.9	<0.0032	<0.0032	<0.0032	<0.0096	2.9
20	7.1	<17.7	<70.8	<0.0028	<0.0028	<0.0028	<0.0077	3.1
25	<5.7	<16.6	<66.1	<0.0031	<0.0031	<0.0031	<0.0092	1.9

B-12	07/06/2012								
DEPTH (feet)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Pb (mg/kg)
5	<5.4	<17.4	<69.7	<0.0032	<0.0032	<0.0032	<0.0096	4.9
10	<5.9	<17.5	<70.0	<0.0036	<0.0036	<0.0036	<0.0109	3.2
15	<7.3	<19.9	<79.5	<0.0033	<0.0033	<0.0033	<0.0098	4.5
20	<5.8	<16.7	<66.8	<0.0033	<0.0033	<0.0033	<0.0099	2.2
25	<7.0	<18.5	<74.2	<0.0034	<0.0034	<0.0034	<0.0102	2.0

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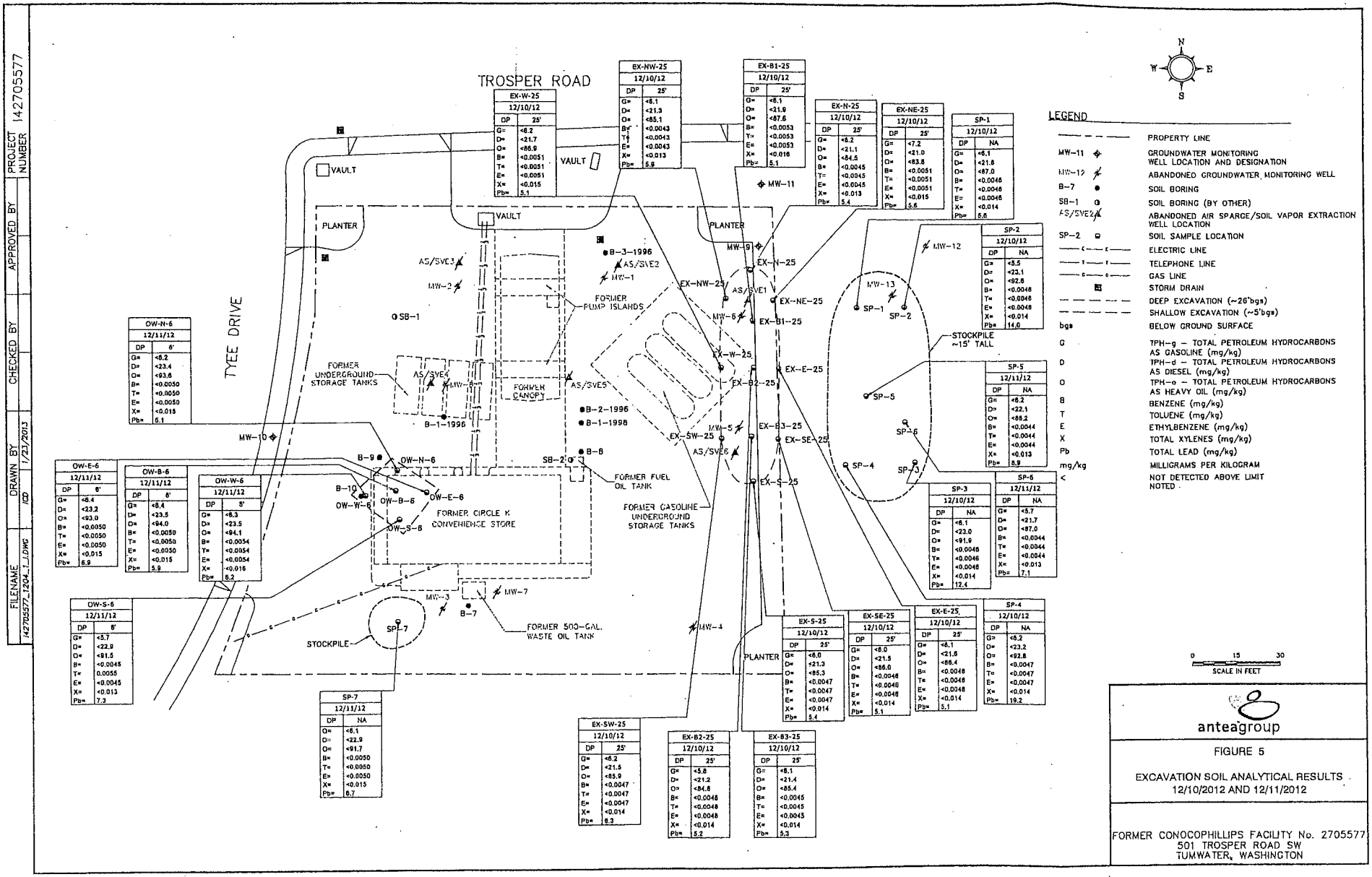
FIGURE 3

SOIL ANALYTICAL RESULTS MAP
05/24/2012 AND 07/06/2012

FORMER CONOCOPHILLIPS FACILITY No. 2705577
501 TROSPER ROAD SW
TUMWATER, WASHINGTON



EX-W-25	
12/10/12	
DP	25'
G=	<6.2
D=	<21.7
O=	<86.9
B=	<0.0051
T=	<0.0051
E=	<0.0051
X=	<0.015
Pb=	5.1

EX-NW-25	
12/10/12	
DP	25'
G=	<6.1
D=	<21.3
O=	<85.1
B=	<0.0043
T=	<0.0043
E=	<0.0043
X=	<0.013
Pb=	5.9

EX-B1-25	
12/10/12	
DP	25'
G=	<6.1
D=	<21.9
O=	<87.6
B=	<0.0053
T=	<0.0053
E=	<0.0053
X=	<0.016
Pb=	5.1

EX-N-25	
12/10/12	
DP	25'
G=	<6.2
D=	<21.1
O=	<84.5
B=	<0.0045
T=	<0.0045
E=	<0.0045
X=	<0.013
Pb=	5.4

EX-NE-25	
12/10/12	
DP	25'
G=	<7.2
D=	<21.0
O=	<83.8
B=	<0.0051
T=	<0.0051
E=	<0.0051
X=	<0.015
Pb=	5.6

SP-1	
12/10/12	
DP	NA
G=	<6.1
D=	<21.6
O=	<87.0
B=	<0.0046
T=	<0.0046
E=	<0.0046
X=	<0.014
Pb=	6.6

SP-2	
12/10/12	
DP	NA
G=	<6.5
D=	<23.1
O=	<92.6
B=	<0.0046
T=	<0.0046
E=	<0.0046
X=	<0.014
Pb=	14.0

SP-5	
12/11/12	
DP	NA
G=	<6.2
D=	<22.1
O=	<88.2
B=	<0.0044
T=	<0.0044
E=	<0.0044
X=	<0.013
Pb=	8.9

SP-3	
12/10/12	
DP	NA
G=	<6.1
D=	<23.0
O=	<91.9
B=	<0.0046
T=	<0.0046
E=	<0.0046
X=	<0.014
Pb=	12.4

SP-6	
12/11/12	
DP	NA
G=	<5.7
D=	<21.7
O=	<87.0
B=	<0.0044
T=	<0.0044
E=	<0.0044
X=	<0.013
Pb=	7.1

SP-4	
12/10/12	
DP	NA
G=	<6.2
D=	<23.2
O=	<92.8
B=	<0.0047
T=	<0.0047
E=	<0.0047
X=	<0.014
Pb=	19.2

SP-7	
12/11/12	
DP	NA
O=	<6.1
O=	<22.9
O=	<91.7
B=	<0.0050
T=	<0.0050
E=	<0.0050
X=	<0.015
Pb=	6.7

OW-N-6	
12/11/12	
DP	6'
G=	<6.2
D=	<23.4
O=	<93.6
B=	<0.0050
T=	<0.0050
E=	<0.0050
X=	<0.015
Pb=	6.1

OW-E-6	
12/11/12	
DP	6'
G=	<6.4
D=	<23.2
O=	<93.0
B=	<0.0050
T=	<0.0050
E=	<0.0050
X=	<0.015
Pb=	6.9

OW-B-6	
12/11/12	
DP	6'
G=	<6.4
D=	<23.5
O=	<94.0
B=	<0.0050
T=	<0.0050
E=	<0.0050
X=	<0.015
Pb=	5.9

OW-W-6	
12/11/12	
DP	5'
G=	<6.3
D=	<23.5
O=	<94.1
B=	<0.0054
T=	<0.0054
E=	<0.0054
X=	<0.016
Pb=	6.2

OW-S-6	
12/11/12	
DP	6'
G=	<5.7
D=	<22.9
O=	<91.5
B=	<0.0045
T=	0.0055
E=	<0.0045
X=	<0.013
Pb=	7.3

EX-S-25	
12/10/12	
DP	25'
G=	<6.0
D=	<21.3
O=	<85.3
B=	<0.0047
T=	<0.0047
E=	<0.0047
X=	<0.014
Pb=	5.4

EX-SE-25	
12/10/12	
DP	25'
G=	<6.0
D=	<21.5
O=	<86.0
B=	<0.0046
T=	<0.0046
E=	<0.0046
X=	<0.014
Pb=	5.1

EX-E-25	
12/10/12	
DP	25'
G=	<6.1
D=	<21.6
O=	<86.4
B=	<0.0048
T=	<0.0048
E=	<0.0048
X=	<0.014
Pb=	5.1

EX-SW-25	
12/10/12	
DP	25'
G=	<6.2
D=	<21.5
O=	<85.9
B=	<0.0047
T=	<0.0047
E=	<0.0047
X=	<0.014
Pb=	6.3

EX-B2-25	
12/10/12	
DP	25'
G=	<5.8
D=	<21.2
O=	<84.8
B=	<0.0046
T=	<0.0046
E=	<0.0046
X=	<0.014
Pb=	5.2

EX-B3-25	
12/10/12	
DP	25'
G=	<6.1
D=	<21.4
O=	<85.4
B=	<0.0045
T=	<0.0045
E=	<0.0045
X=	<0.014
Pb=	5.3

LEGEND

———	PROPERTY LINE
MW-11	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
MW-12	ABANDONED GROUNDWATER MONITORING WELL
B-7	SOIL BORING
SB-1	SOIL BORING (BY OTHER)
AS/SVE2	ABANDONED AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION
SP-2	SOIL SAMPLE LOCATION
—c—c—	ELECTRIC LINE
—t—t—	TELEPHONE LINE
—g—g—	GAS LINE
	STORM DRAIN
———	DEEP EXCAVATION (~26'bgs)
———	SHALLOW EXCAVATION (~5'bgs)
bgs	BELOW GROUND SURFACE
G	TPH-g – TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
D	TPH-d – TOTAL PETROLEUM HYDROCARBONS AS DIESEL (mg/kg)
O	TPH-o – TOTAL PETROLEUM HYDROCARBONS AS HEAVY OIL (mg/kg)
B	BENZENE (mg/kg)
T	TOLUENE (mg/kg)
E	ETHYLBENZENE (mg/kg)
X	TOTAL XYLENES (mg/kg)
Pb	TOTAL LEAD (mg/kg)
mg/kg	MILLIGRAMS PER KILOGRAM
<	NOT DETECTED ABOVE LIMIT NOTED

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FIGURE 5

EXCAVATION SOIL ANALYTICAL RESULTS
12/10/2012 AND 12/11/2012

FORMER CONOCOPHILLIPS FACILITY No. 2705577
501 TROSPER ROAD SW
TUMWATER, WASHINGTON

FILENAME	DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
142705577_1204_1.DWG	ICD	1/21/2013		142705577