ATTACHMENT A

Report Methodology

REPORT METHODOLOGY

INTRODUCTION

Analysts used the methodology described below to prepare the hazardous materials discipline report for the Mukilteo Multimodal Project, defined as consisting of the following four project alternatives

- No-Build Alternative
- Existing Site Improvements Alternative
- Elliot Point 1 Alternative
- Elliot Point 2 Alternative

2In preparing the discipline report, analysts collected and analyzed information on existing conditions in the vicinity of the project area, evaluated potential project-related hazardous materials impacts, and identified measures to mitigate those impacts. For the purposes of this report, hazardous materials impacts are impacts related to hazardous materials that existing conditions could have on the project as well as impacts related to hazardous materials that the project could have on the natural and built environment.

To perform this work, analysts drew on information contained in the documents and sources listed in the references section of the discipline report.[1] For the purposes of the discipline report, analysts defined the project area as the footprint of all four project alternatives taken together.

EXISTING CONDITIONS

Analysts collected and analyzed information on existing conditions in the vicinity of the project area to identify sensitive receptors, to establish the study area, and to identify hazardous materials sites. Sensitive receptors are areas typically containing populations that could be particularly sensitive to hazardous materials released by project activities occurring within the project area.

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[1] The following document was not reviewed for this report because it is listed as a reference in several of the documents that were reviewed for this report: *Post-Remediation Marine Sediment Evaluation, Former Defense Fuel Support Point Mukilteo, Mukilteo, Washington*, prepared by Shaw Environmental Inc. for U.S. Defense Energy Support Center and dated March 29, 2004.

Characteristics of the Natural and Built Environment

Analysts collected and analyzed information on the following existing natural and built conditions in the vicinity of the project area:

- Topography
- Drainage pathways
- Waterbodies
- Geology
- Groundwater characteristics
- Land uses

Analysts then used this information to:

- Identify sensitive receptors
- Establish the area to be studied for the discipline report
- Identify hazardous materials sites in the study area that: 1) might be acquired in whole or in part for the project; 2) have structures that might be renovated, excavated, or demolished for the project; or 3) are or reasonably might be contaminated

Sensitive Receptors

Sensitive receptors are areas typically containing populations that could be particularly sensitive to hazardous materials released by project activities occurring within the project area. Populations that could be particularly sensitive to hazardous materials releases include people who are sick, elderly, or young and species that are endangered or threatened. Areas that typically contain such people – such as hospitals, medical centers, nursing homes, schools, and day care centers – or such species – such as wildlife refuges, wetlands, waterbodies, and other recognized habitat – would be sensitive receptors if they could be affected by hazardous materials released by project activities occurring within the project area.

Analysts identified sensitive receptors for this project based on the project area boundaries, the types and amounts of hazardous materials that project construction and operation might use or encounter, and information regarding topography, drainage pathways, waterbodies, geology, groundwater characteristics, and land uses in the vicinity of the project area.

Study Area

The area that is studied for a hazardous materials discipline report is called the study area. For purposes of a hazardous materials discipline report, a study area is the area within which hazardous materials, if released, might affect the project area by:

- Flowing over the ground surface or migrating through soils or groundwater
- Being drawn into the project area by project construction activities such as dewatering.

Accordingly, analysts established the study area for this project by taking into account the topography, drainage pathways, geology, and groundwater characteristics in the vicinity of the project area.

Hazardous Materials Sites

Hazardous materials sites are properties in the study area that might have or might affect the project area because they: 1) might be acquired in whole or in part for the project; 2) have structures that might be renovated, excavated, or demolished for the project; or 3) are or reasonably might be contaminated.

Analysts evaluated the study area and assembled a list of and information on hazardous materials sites for this project. Analysts performed this evaluation and assembly by undertaking the following work:

- Placing on a hazardous materials sites list:
  - Properties or permanent easements that might be acquired in whole or in part for the project (acquisition properties); and
  - Properties on which structures are located that might be renovated, excavated, or demolished for the project (demolition properties).
- Reviewing existing reports as well as obtaining and reviewing an environmental database report, centered on the project area, from Environmental Data Resources, Inc. (EDR report), to identify and add contaminated hazardous materials sites to the hazardous materials sites list. In preparing its report, EDR searched publically available U.S. Environmental Protection Agency (EPA) and Washington State Department of Ecology (Ecology) databases. These databases track facilities and sites that might have or have released chemicals to the environment and identify and monitor facilities that manage hazardous materials or hazardous waste as part of their operations. The EDR report adhered to the American Society for Testing and Materials International's standard,

Designation: E 1527 – 05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527 – 05), by searching EPA and Ecology environmental databases for facilities and sites within the minimum distances from the project area, as listed in Table A-1, below. The EDR report includes a list of databases that EDR searched, the search distance from the project area that EDR used for each database, maps showing the locations of the identified facilities and sites, and, where available, details regarding hazardous materials used or found on the identified sites. The main body of the EDR Report is contained in Attachment D of this discipline report. Attachment E of this discipline report contains the City Directory Abstract portion of the EDR Report.

Table A-1. ASTM E 1527 – 05 Standard Environmental Record Sources (where available)

Standard Environmental Record Sources (where available)[a]	Agency	Approximate Minimum Search Distance
Federal NPL site list	EPA	1.0 mile
Federal Delisted NPL site list	EPA	0.5 mile
Federal CERCLIS list	EPA	0.5 mile
Federal CERCLIS NFRAP site list	EPA	0.5 mile
Federal RCRA CORRACTS facilities list	EPA	1.0 mile
Federal RCRA non-CORRACTS TSD facilities list	EPA	0.5 mile
Federal RCRA generators list	EPA	Property and adjoining properties
Federal institutional control/engineering control registries	EPA	Property only
Federal ERNS list	EPA	Property only
State- and tribal-equivalent NPL[b]	Ecology	1.0 mile
State- and tribal-equivalent CERCLIS[b]	Ecology	0.5 mile
State and tribal landfill and/or solid waste disposal site lists	Ecology	0.5 mile
State and tribal leaking storage tank lists	Ecology	0.5 mile
State and tribal registered storage tank lists	Ecology	Property and adjoining properties
State and tribal institutional control/engineering control registries	Ecology	Property only
State and tribal voluntary cleanup sites	Ecology	0.5 mile
State and tribal Brownfield sites	Ecology	0.5 mile

[a] For abbreviation and definitions refer to the Abbreviations and Definitions section of the discipline report
[b] This is the CSCS list in Washington State.

The following sites were not added to the list of hazardous materials sites because they are unlikely to be contaminated:

- Sites identified only because they had a one-time hazardous materials spill that was likely small or completely cleaned up;

- Sites that do not appear to have been in existence for a long time (for example, for more than 5 to 7 years) and that are identified only because they generate hazardous waste[2]; and
- Sites other than underground storage tank (UST) sites that are identified only because they store hazardous materials.

Historical information sources such as historical U.S. Geological Survey topographic maps, historical parcel maps (Anderson, Metsker, and Kroll), Sanborn fire insurance maps of Mukilteo, Mukilteo city directories (Wells and Polk), historical aerial photographs, and Mukilteo Tank Farm documents dated before 2006 generally were not consulted during the preparation of this report. These sources were consulted during the development of the existing reports reviewed for the preparation of this discipline report. Information from those reports was included in this report.

- Incorporating sites and information from the following Websites and databases:
  - The Washington State Department of Ecology GIS Facility/Site Atlas Website, http://apps.ecy.wa.gov/website/facsite/viewer.htm
  - The Washington State Department of Ecology Integrated Site Information System (Web Reporting) Website, https://fortress.wa.gov/ecy/tcpwebreporting/reports.aspx
  - The Washington State Department of Transportation Hazardous Materials Site File Database
- Adding to the hazardous materials sites list those properties identified during visual reconnaissances and windshield surveys of the study area as properties that reasonably might be contaminated. Windshield surveys were conducted by driving public access roads in the vicinity of the project area and looking at features in plain sight, with emphasis placed on:
  - A property's apparent current and past uses

[2] Sites that have long histories of being used for activities that generate hazardous waste reasonably might be contaminated even if they are not listed on other agency databases. The EDR Report and other reports and records reviewed pursuant to this methodology can provide information indicating the years a site has been used for hazardous waste-generating activities.

- The presence of, or evidence suggesting the presence of, above-ground storage tanks (ASTs), USTs, above-ground or buried pipelines, and hazardous materials containers
- General site conditions indicative of hazardous materials contamination, such as the presence of abandoned vehicles and machinery, garbage, unprotected hazardous materials containers, discarded chemical containers, stained soil, distressed vegetation, and the occurrence of cleanup activity

No properties or buildings were entered during the visual reconnaissances or windshield surveys.[3]

- Incorporating the following information regarding the hazardous materials sites, as necessary:
  - Information from the Snohomish County Assessor's Office Website, http://gis.snoco.org/maps/property/index.htm
  - Information from Ecology files that was developed since the preparation of existing project-related reports reviewed during the preparation of this report.

POTENTIAL PROJECT-RELATED HAZARDOUS MATERIALS IMPACTS

NEPA and SEPA regulations require consideration of a project's direct, indirect, and cumulative impacts. Accordingly, analysts evaluated direct, indirect, and cumulative hazardous materials impacts potentially related to the project by considering impacts that hazardous materials sites might pose to the project, as well as hazardous materials impacts the project might pose to sensitive receptors and to the environment in general.

[3] This report incorporates observations made during a visual reconnaissance of the project area and adjacent properties by Herrera on December 5, 2002, for preparation of a hazardous materials site assessment (Herrera 2003); a visual reconnaissance of the same area by Herrera in November 2004 as part of a limited site investigation conducted in conjunction with a WSDOT geotechnical investigation of the project area; and a visual reconnaissance and windshield survey of the study area by analysts on May 23, 2011, for preparation of this Report.

Direct Impacts

NEPA defines direct effects (impacts) as impacts a project causes that occur at the same time and place (40 CFR § 1508.8(a)). Direct hazardous materials impacts that this project might pose would arise during project construction. These impacts primarily consist of potentially subjecting WSF to liability for remediating any hazardous materials site acquired for the project; harming project workers, the public, and the environment by exposing them to hazardous materials encountered or used during project construction; and increasing project costs and delaying project construction in order to properly manage hazardous materials encountered, used, or accidentally spilled during project construction.

Analysts evaluated the direct hazardous materials impacts of the project by first evaluating the impacts posed to project construction by hazardous materials sites and then by evaluating hazardous material impacts posed by project construction to sensitive receptors and the environment in general.

Impacts Posed to the Project by Hazardous Materials Sites

Hazardous materials sites can pose hazardous materials impacts through the following project activities and site conditions:

- Acquiring a hazardous materials site for the project: In acquiring a hazardous materials site for the project, whether acquiring a property or a permanent easement, WSF could assume liability for remediating contamination that may exist on or might have originated from that site. Contaminated site cleanup is governed by numerous laws, regulations, guidance documents, and policies. The most common such laws and regulations are identified in Attachment B of this report. Assumption of cleanup liability for a site acquired for project use could increase project costs and delay project construction.
- Renovating, removing, demolishing, or excavating buildings, piers, structures, or equipment on a hazardous materials site: Project-related renovation, removal, demolition, or excavation of buildings, piers, above or below ground structures, or equipment on a hazardous materials site could harm project workers, the public, and the environment, could increase project costs, and could delay project construction if such renovation, removal, demolition, and excavation activities include:
    - Renovation, removal, or demolition of above-ground electrical utilities: Such activities could include removal or relocation of electrical transformers that contain PCBs. PCBs, which can adversely

affect human health and the environment, could be released during the removal of the transformers.

- Renovation, removal, demolition, or excavation of buildings, structures, or equipment coated with paint containing lead (lead-based paint or LBP) or other heavy metals: Such work could release lead or other heavy metals into the air. Both the lead and the other heavy metals can adversely affect human health and the environment.
- Renovation, removal, demolition, or excavation of buildings, structures, or equipment containing ACM: Such work could release asbestos in the ACM into the air. Asbestos can adversely affect human health and the environment.
- Removal or demolition of structures containing fluorescent light fixtures, circuit breakers, and switches: The ballasts of fluorescent light fixtures, circuit breakers, and switches could contain PCBs. Fluorescent light bulbs and certain electrical switches, such as those in thermostats, contain mercury. Improper handling of ballasts, circuit breakers, bulbs, and switches could release PCBs and mercury and adversely affect human health and the environment.
- Removal or demolition of structures and equipment containing hazardous materials containers: The potential for an explosion and a release of hazardous materials exists where hazardous materials containers such as ASTs, compressed gas cylinders, drums, and smaller hazardous materials containers exist in structures or equipment slated for removal or demolition. Such an explosion or release could harm human health and the environment.
- Excavation of USTs: Excavation of USTs and associated piping and excavation on property that contains unidentified USTs creates an explosion hazard and the potential for releasing any hazardous material contained in the UST if the UST is not first properly located, rendered inert, and pumped out. Such an explosion or release could harm human health or the environment.
- Demolition or excavation of oil/water separators and associated piping: Such structures and piping could contain residual petroleum products and other hazardous materials that can adversely affect

human health and the environment if released during the removal of the structures and piping.

- Demolition of wells: If project-related construction activities would conceal, damage, or destroy wells and associated piping, such as wells used for groundwater monitoring, groundwater treatment or extraction, or water supply, those wells and their piping may need to be abandoned in advance under appropriate permits and in accordance with applicable laws and guidance. Groundwater monitoring, treatment, and extraction wells and their piping could contain residual hazardous materials. Failure to properly abandon a well and its associated piping could release hazardous materials or provide a conduit for contaminated groundwater, thereby harming the environment and human health.
- Renovation, removal, demolition, or excavation of structures consisting of or containing treated wood: Hazardous materials such as creosote and arsenic compounds are commonly used to treat wood used for railroad ties, telephone poles, and marine piles and decking. Such hazardous materials exist not only in the treated wood but typically migrate over time to the soil and sediment surrounding such wood. Removal of wood preserved by these materials and demolition or excavation of structures composed of such wood can release hazardous materials to the environment both by generating treated wood requiring proper disposal and by generating or exposing to the environment soil or sediment contaminated with creosote and arsenic compounds.

- Contaminated soil, sediment, surface water, or groundwater: Hazardous materials sites that have soil, sediment, surface water, or groundwater contaminated with a hazardous material may pose impacts if project construction activities occur on those sites, if contamination has migrated to the project area from those sites, or if project construction activities cause contamination to migrate to the project area from those sites. Impacts that contaminated hazardous materials site could pose include harming project workers, the public, and the environment; causing WSF to be responsible for cleaning up hazardous materials released from the site as a result of construction activities; delaying project construction; and increasing project costs. Project construction activities that could cause these impacts include the following:

- Dredging, excavating, grading, or otherwise disturbing sediment or soil which could be contaminated or could encounter, release, or spread contaminated sediment, soil, groundwater, or surface water: Such soil includes contaminated soil associated with ASTs or USTs and sediment or soil that has been in contact with treated wood.
- Dewatering which could encounter, release or spread contaminated groundwater: Such activities could alter the flow direction of contaminated groundwater, thereby spreading the contaminant plume and possibly drawing contaminated water into the project area.
- Constructing facilities that increase stormwater infiltration, such as compost-amended vegetated filter strips or infiltration ponds: Such facilities, by allowing stormwater to infiltrate, could spread existing soil or groundwater contamination.
- Altering soil porosity by placing base rock in utility trenches and road beds: Such activities could alter the flow direction of and spread contaminated groundwater.
- Blocking access to contaminant sources by installing large foundations or densifying soil: Such activities could prevent access to an area for soil remediation work.

After identifying the hazardous materials impacts posed to each project alternative by each hazardous materials site, analysts assigned one or more of the following impact ratings to each hazardous materials site for each project alternative, considering the site's characteristics and location relative to the boundary of the project alternative.

- **Acquisition** – for properties or permanent easements that might be acquired in whole or in part for the project alternative
- **Demolition** – for properties on which structures are located, including buildings, above or below ground structures, or equipment, that might be renovated, excavated, or demolished for the project alternative
- **Contamination – None** – for sites that might be contaminated that meet any of the following criteria:
  - The hydrogeology of the site relative to the area of the project alternative makes it highly unlikely that any site contamination either has reached the area of the project alternative or might be affected by

the project alternative (being sure to consider if contamination on a site downgradient of the area of the project alternative might be affected by project alternative activities such as dewatering)

- The site is more than an eighth of a mile from the area of the project alternative and has been identified as a hazardous materials site only because:
  - It has one or more USTs, or
  - It has a long history of being used by activities that generate hazardous waste.
- The nature of the contaminants that might exist on site makes it highly unlikely that the contamination has reached the area of the project alternative or might be affected by the project alternative (being sure to consider if contamination on a site downgradient of the area of the project alternative might be affected by project alternative activities such as dewatering)

- **Contamination – Low** – for sites that might be or are contaminated, that cannot meet the "Contamination – None" rating criteria, and that meet either of the following criteria:
  - The site is an eighth of a mile or closer to the area of the project alternative and has been identified as a hazardous materials site only because:
    - It has one or more USTs, or
    - It has a long history of being used by activities that generate hazardous waste.
  - The contamination found on the site was previously remediated
- **Contamination – Moderate** – for sites that might be or are contaminated, that cannot meet the "Contamination – None" or "Contamination – Low" rating criteria, and that meet all of the following criteria:
  - The contamination on the site might or is known to have reached the area of the project alternative or might or would be affected by the project alternative

  - The concentration or toxicity of that contamination at the area of the project alternative is known or can be reasonably predicted to be low
  - The proper handling and disposal of soil or groundwater so contaminated can be reasonably predicted to be comparatively straightforward or inexpensive

- **Contamination – High** – for sites that might be or are contaminated and that cannot meet the "Contamination – None", "Contamination – Low", or "Contamination – Moderate" rating criteria. Sites receiving this rating typically have either of the following characteristics:
  - The concentration or toxicity of the contamination from the site is known or can be reasonably predicted to be moderate or high at the area of the project alternative
  - The proper handling and disposal of soil or groundwater so contaminated can be reasonably predicted to be comparatively complex or expensive

Impacts Posed by the Project to Sensitive Receptors and the Environment

Analysts then evaluated the hazardous material impacts posed by each project alternative to sensitive receptors and the environment in general. In general, project construction could pose adverse hazardous materials impacts to sensitive receptors and the environment through spills of hazardous materials used or encountered during project construction. Project construction could pose beneficial hazardous materials impacts to sensitive receptors and the environment by removing contaminated soil and groundwater encountered during project construction.

Indirect Impacts

NEPA defines indirect effects (impacts), also known as secondary effects, as impacts a project causes that occur later in time or are farther removed in distance, but are still reasonably foreseeable (40 CFR § 1508.8(b)). Indirect hazardous materials impacts that this project might pose would arise after construction during project operation.

Analysts evaluated the indirect hazardous materials impacts of each proposed project alternative by evaluating the project alternative-related hazardous materials impacts that would arise after construction and during operation of that project alternative. Some of these impacts could be adverse, consisting of hazardous materials leaks and spills by the traveling public and of hazardous materials use, leaks, and spills during terminal operation and maintenance. Some of these impacts could be beneficial,

consisting of the reduction of such use, leaks, and spills below current levels because of improvements brought about by construction of the project alternative.

Cumulative Impacts

NEPA defines cumulative effects (impacts) as impacts on the environment that result from the incremental impacts of the project when added to other past, present, and reasonably foreseeable future actions (40 CFR § 1508.7). "Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time" (40 CFR § 1508.7).

Analysts performed a cumulative impacts evaluation in accordance with the *Guidance on Preparing Cumulative Impact Analyses* developed by the Washington State Department of Transportation, dated February 2008, and available at http://www.wsdot.wa.gov/Environment/Compliance/CumulativeEffects.htm. This guidance generally requires consideration of the direct and indirect hazardous materials impacts of each proposed project alternative and the hazardous materials impacts of other past, present, and reasonably foreseeable future activities in the vicinity of the area of the project alternative.

MITIGATION MEASURES

Analysts identified, for each proposed project alternative, measures that may be used to avoid, address, or reduce the direct and indirect hazardous materials impacts of the project alternative. Such mitigation measures include proper disposal of dredged or excavated contaminated soil or sediment or the performance of additional hazardous materials investigations. Estimated costs of the identified mitigation measures were included where applicable and available. Analysts also determined if any of the proposed project alternatives poses significant adverse hazardous materials impacts that cannot be mitigated.

ATTACHMENT B

Laws, Regulations, Guidance Documents, and Policies Governing Handling, Disposal, and Remediation of Hazardous Materials

LAWS, REGULATIONS, GUIDANCE DOCUMENTS, AND POLICIES GOVERNING HANDLING, DISPOSAL, AND REMEDIATION OF HAZARDOUS MATERIALS

Numerous federal, state, and local laws, regulations, guidance documents, and policies govern the handling and disposal of hazardous materials and the remediation of media contaminated with hazardous materials. The most common federal and state laws and regulations that apply to WSF projects are described below.

FEDERAL LAWS AND REGULATIONS

Clean Air Act (CAA)

The CAA provides for comprehensive federal regulation of all sources of air pollution. Any activities associated with the project that have the potential to introduce hazardous substances to the air must be in compliance with the CAA. Discharges to air (including fugitive dust, asbestos, and hazardous chemicals) will be enforced at the state and local municipality level usually by the Washington State Department of Ecology (Ecology) or one of the seven local clean air agencies.

Clean Water Act (CWA)

The CWA provides for comprehensive federal regulation of all sources of water pollution. Any activities associated with the project that have the potential to introduce hazardous substances to surface waters, including wetlands, must be in compliance with the CWA. Several permit programs have been established to address CWA concerns. Permits and approvals required under the CWA that would require the project to address hazardous substance issues include the National Pollutant Discharge Elimination System (NPDES) General Stormwater Permit for Construction Activities. This permit would require the project to develop and implement a Temporary Erosion and Sediment Control Plan and a Spill Prevention, Control, and Countermeasures Plan.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, 42 USC §§ 9601 - 9675), the Superfund Amendments and Reauthorization Act (SARA), and All Appropriate Inquiries (AAI) (40 CFR Part 312)

Section 101(35)(B)(ii) and (iii) of CERCLA and 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 that must be met to qualify for certain landowner liability protections under CERCLA. The purpose of hazardous materials

discipline reports is, in part, to address liability issues concerning identification and acquisition of contaminated property to be used for the project.

Endangered Species Act (ESA)

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Parts 61 to 71)

EPA's rules concerning the removal and disposal of asbestos-containing material (ACM) were issued under NESHAP. NESHAP requires a thorough inspection for friable and nonfriable 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.

Typically, a notice of intent and a fee must be submitted to Ecology or the appropriate Washington State air agency before any asbestos abatement or demolition work is begun. Exceptions may apply for certain sizes and types of asbestos projects. Asbestos removed from buildings prior to demolition must be disposed in a landfill permitted to receive ACM.

National Environmental Policy Act (NEPA)

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. If a project is partially funded by the Federal Highway Administration or if state-funded work occurs on an interstate highway, NEPA compliance is required. 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.

Occupational Safety and Health Act (OSHA)

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.

Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984(42 USC §§ 6901 – 6992k)

RCRA sets forth 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 HSWA, creates treatment standards for specific wastes. Any removal, treatment, or transportation of contaminated soils as part of the project must be conducted in compliance with RCRA. HSWA also establishes requirements for ownership, operation, maintenance, and closure of USTs. RCRA-regulated USTs are governed by the Washington Underground Storage Tank Statute, Revised Code of Washington (RCW) 90.76, and it's implementing regulations, Washington Administrative Code (WAC) 173-360.

Toxic Substances Control Act (TSCA)

TSCA allows the U.S. Environmental Protection Agency (EPA) to regulate the manufacturing, labeling, distribution, and use of existing chemicals when they pose an unreasonable risk to health or the environment. Under TSCA Section 6, EPA can limit or ban manufacturing and distribution, require labeling, or place other restrictions on chemicals. Chemicals regulated by TSCA include asbestos, lead (such as LBP) and PCBs. If these chemicals are encountered on the project, they must be handled and disposed of in compliance with TSCA.

STATE LAWS AND REGULATIONS

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

Clean Air Act and Local Air Agency Regulations

The requirements of the CAA and the Washington Clean Air Act are implemented usually by Ecology or one of seven local clean air agencies across the state: The Benton Clean Air Agency, the Northwest Clean Air Agency, the Olympic Region Clean Air Agency, the Puget Sound Clean Air Agency, the Southwest Clean Air Agency, the Spokane Regional Clean Air Agency, and the Yakima Regional Clean Air Agency. These air agencies have adopted their own regulations to protect air quality and control the emissions of air contaminants in their areas.

Dangerous Waste Regulations (WAC 173-303)

Washington's dangerous waste regulations implement RCRA and the Washington State Hazardous Waste Management Act, RCW 70-105, by setting forth procedures for designating and managing dangerous waste, a waste classification that includes all federal hazardous waste. Dangerous waste designation procedures are the most likely portion of these regulations that would affect the project. Contaminated materials generated during construction, including soil, water, and debris, need to be properly designated before disposal. WAC 173-303-070 through 173-303-110 set forth dangerous waste characteristics and criteria. Requirements for dangerous waste generators are contained in WAC 173-303-170 through WAC 173-303-230. The dangerous waste regulations also include detailed requirements for forms and rules related to manifesting and transporting dangerous waste. A transporter of dangerous waste must comply with the procedures listed in WAC 173-303-240 through 173-303-250.

Should a spill occur on the project, the notification and mitigation requirements of the dangerous waste regulations must be complied with. WAC 173-303-145 lists reporting requirements for unpermitted spills and discharges into the environment. 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."

Model Toxics Control Act (MTCA, RCW 70.105D) and MTCA regulations (WAC 173-340)

MTCA, Washington State's version of CERCLA, is implemented by the regulations in WAC 173-340. MTCA and its implementing regulations set forth requirements for reporting hazardous materials releases and contamination discoveries, dictate soil and groundwater cleanup levels that are protective of human health and the environment, and establish joint and several liability for contamination cleanup. An overview of MTCA cleanup standards is detailed in WAC 173-340-700. Groundwater and soil cleanup standards are listed in WAC 173-340-720 and WAC 173-340-740. WAC 173-340-450 sets forth requirements for addressing USTs.

Sediment Management Standards (WAC 173-204)

Washington's Sediment Management Standards were promulgated to establish surface sediment management standards for marine, low salinity, and freshwater

waterbodies to reduce and ultimately eliminate adverse impacts on biological resources and significant human health threats from surface sediment contamination.

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

The State Solid Waste Management Act, RCW 70.95, assigns primary responsibility for managing solid waste to local governments and retains to the state the responsibility for assuring that effective local programs are established. Although WAC 173-304, the Minimum Functional Standards for Solid Waste Handling, sets forth the storage, collection, and transportation standards for all persons storing containerized solid waste that is generated on site (see WAC 173-304-200), local health departments regulate the handling and disposal of solid waste. Identifying the appropriate waste disposal facility is the most likely the portion of local solid waste regulation that could affect a project. The local health department determines 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 of the waste material may be required prior to disposal. Even waste that is shipped to a disposal facility out of the county, and soil treatment facilities, falls under the jurisdiction of the local Health Department.

State Environmental Policy Act (SEPA)

SEPA, implemented by WAC 197-11 and for the WSDOT by WAC 468-12, requires the identification of environmental impacts that may result from a proposed project. Such information, provided during the SEPA review process, helps agency decision-makers, the project applicants, and the public understand how a proposed project would affect the environment. Assessment of impacts associated with hazardous materials and waste, and demonstration that the project has avoided or minimized those potential impacts, are components of the SEPA review process.

Underground Storage Tank Statute (RCW 90.76) and Regulations (WAC 173-360)

The purpose of the Underground Storage Tank Statute and its implementing regulations is to address the serious threat posed to human health and the environment by leaking underground storage tank systems (LUSTS) containing petroleum and other regulated substances. The regulations describe the enforcement, notification, and reporting requirements for LUSTS. The regulations also detail performance standards and operating and closure requirements.

Underground Utilities (RCW 19.122)

To protect underground utilities from harm, RCW 19.122 requires excavators to provide notice of excavation to all owners of underground facilities through a one-number locator service to which the owners are required to subscribe. Notice is to be communicated to the locator service between 2 and 10 days before excavation activities begin. 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 $10,000 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.

Washington Industrial Safety and Health Act (WISHA, RCW 49.17) and implementing regulations

WISHA is implemented largely by the General Occupational Health Standards found in WAC 296-62, the Asbestos Removal and Encapsulation requirements found in WAC 296-65, and the Safety Standards for Construction Work found in WAC 296-155. These safety requirements apply to all construction activities and are enforced by the Washington State Department of Labor and Industries (L&I).

LBP and Asbestos Work (WAC 296-62 Part I-1; WAC 296-65; WAC 296-155)

The safety standards provide specific procedures for work with and removal and encapsulation of lead-based paint (LBP) and asbestos-containing material (ACM). All contractors working with LBP and ACM must be certified in LBP and asbestos removal and their supervisors and laborers must be trained. Maximum exposure limits for asbestos and lead must be adhered to and appropriate personal protective equipment must be used.

WAC 296-62 requires that before 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. L&I and the local clean air agency must be notified and fees must be paid in advance of any asbestos removal. Exposure assessment and monitoring must be conducted.

ACM and LBP, along with disposable clothing, respirator filters, and equipment used during work with ACM and LBP, must be disposed of in specially permitted landfills.

Hazardous Waste Operations and Treatment, Storage, and Disposal Facilities (WAC 296-62 Part P)

WAC 296-62 Part P sets forth the required procedures for work involving hazardous materials. The procedures 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. Also included are rules on site assessment and control, and emergency response. The personal protective equipment selection protocol is outlined in WAC 296-62-30605. Training requirements for site personnel are included within multiple sections of Part P depending upon the designation of the contamination on site.

WAC 296-62 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.

Safety Standards for Construction Work (WAC 296-155)

WAC 296-155 requires employers to inform their workers of the potentially hazardous conditions of the workplace. When WSDOT informs the Contractor of these conditions, the Contractor is required to train the workers to recognize, respond to, and report such conditions. It is therefore important for WSDOT to inform the Contractor of such conditions through the contract plans and provisions so that the Contractor can prepare its employees to appropriately and safely handle encounters of hazardous materials with minimal delays.

Wastewater Discharges to Ground (WAC 173-216)

Wastewater Discharges to the Ground, WAC 173-216, regulates discharge of stormwater to detention basins if this water contains unacceptable concentrations of polluting matter. A project would likely be exempt from the requirements of this regulation if a National Pollutant Discharge Elimination System (NPDES) Stormwater Permit for construction is acquired. This should be verified during the permitting process conducted for the project.

Wastewater Discharges to Surface Waters (WAC 173-220)

Wastewater Discharges to Surface Waters, WAC 173-220, 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. A general NPDES permit for construction is required for a project.

Water Pollution Control Act (RCW 90.48), Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A), and Water Quality Standards for Groundwater of the State of Washington (WAC 173-200)

The Water Pollution Control Act, RCW 90.48, controls pollution of state waters. It is implemented through two regulations that control pollution in state waters: Water Quality Standards for Surface Waters of the State of Washington, WAC 173-201A, and Water Quality Standards for Ground Water of the State of Washington, WAC 173-200. Any construction or operational activities associated with a project must comply with Washington's water quality standards.

WAC 173-201A establishes standards for toxic substances, conventional parameters (e.g., pH, dissolved oxygen, temperature), and aesthetic values for marine and fresh surface waters. It states that toxic substances above natural background levels may 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 determine compliance with the above-mentioned requirements. The waste disposal permits issued under WAC 173-201A-160 are the primary means for controlling municipal, commercial, and industrial waste discharges to surface waters.

WAC 173-200 established similar standards for groundwater, with special emphasis on radionuclides and carcinogens due to potability issues.

ATTACHMENT C

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm
and
Table C-2. Mukilteo Tank Farm Hazardous Materials Site, Site 13

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
1	City of Mukilteo Parcel Number: 28040400203400	Within the project area	Snohomish County Website	This is government property with a use code of 675 Military Bases & Reservations. It is expected that a portion of the property would be acquired for the Existing Site Improvements Alternative. The property could contain structures requiring renovation, demolition, or excavation. Such structures could be coated with paint containing lead (lead-based paint or LBP) or paint containing other heavy metals such as chromium, have asbestos-containing material, have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. If any in-water structures would require renovation or demolition or any in-water sediment would require excavation, creosote-treated timber and piles and sediment contaminated with creosote components may need to be properly handled and disposed of.
2	Port of Everett 700 Front St Mukilteo WA 98275-1510 Parcel Number: 28040400200100	Within the project area	Snohomish County Website EDR Directory Abstract 2011	This property has been listed as the Washington State Ferries Mukilteo Terminal since at least 1966, with one of the buildings on the property having been constructed in 1984. It apparently contains the public fishing pier owned and maintained by the Port of Everett. The fishing pier is located adjacent to the east side of the terminal's transfer span. The pier consists of a timber-supported platform and three floating docks. It is expected that a portion of the property would be acquired for the Existing Site Improvements Alternative. The property contains structures requiring renovation, demolition, or excavation. Such structures could be coated with paint containing lead (lead-based paint or LBP) or paint containing other heavy metals such as chromium, have asbestos-containing material, have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. If any in-water structures, such as the fishing pier, would require renovation or demolition or any in-water sediment would require excavation, creosote-treated timber and piles and sediment contaminated with creosote components may need to be properly handled and disposed of.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
3	Ivars Real Estate Associates LP 710 Front St Mukilteo WA 98275-1510 Parcel Number: 28040400102300	Within the project area	Snohomish County Website EDR Directory Abstract 2011	The structure on this property was built in 1925. From 1966 to at least 1990, this property appears to have been occupied by eating establishments. Ferry Lunch occupied the property in at least 1966. Taylor's Landing occupied the property from at least 1971 to 1990, identified as a restaurant from 1976 to 1990. The property is currently occupied by Ivar's Restaurant. It is expected that a portion of the property would be acquired for the Existing Site Improvements Alternative. The property contains structures requiring renovation, demolition, or excavation. Such structures could be coated with paint containing lead (lead-based paint or LBP) or paint containing other heavy metals such as chromium, have asbestos-containing material, have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. If any in-water structures, such as pilings, would require renovation or demolition or any in-water sediment would require excavation, creosote-treated timber and piles and sediment contaminated with creosote components may need to be properly handled and disposed of.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
4	Silver Cloud Inn 718 Front St Mukilteo WA 98275 Parcel Number: 00596901500100	Immediately north of Front Street and the project area and between Ivar's on the west and Park Ave and the NOAA Mukilteo Research Station on the east	Ecology Facility/Site Atlas & ISIS Websites 2011 (Ecology ID 99231451): Geotech 1993 ADaPT 1998 Herrera 2003 Snohomish County Website EDR Report 2011	McConnells Boathouse (*aka Mc Connells Boathouse, McConnell's Boathouse)*, a marine boat storage, rental, and repair service, occupied the property from the early 1960s through the late 1990s. The Silver Cloud Inn, built in 2000, currently occupies the property. Two USTs, which stored leaded gasoline, are known to have been installed on this property. A 1,000-gallon UST was installed inside the western end of the boat storage building in 1964. This UST dates from when the property was a service station. The UST was closed in place in 1983 by being filled with sand. A 2,000 gallon UST was installed in the parking area on the eastern side of the building in 1983. In 1993, UST-related petroleum hydrocarbon contaminated soil and groundwater were discovered during a site assessment. Gasoline-range petroleum hydrocarbons were detected in soil and groundwater in the vicinity of the western UST. Heavy oil-range petroleum hydrocarbons were detected in soil and groundwater in the vicinity of the eastern UST. The heavy oil contamination was believed to have originated from a NOAA Mukilteo Research Station heating oil UST which had leaked. A subsequent investigation found heavy oil- and gasoline- range petroleum hydrocarbons in soil in concentrations exceeding MTCA Method A cleanup levels and gasoline-range petroleum hydrocarbons in groundwater in concentrations less than MTCA Method A cleanup levels. In July 1998, a site investigation revealed that heavy oil-range petroleum hydrocarbons were present in soil around the eastern UST in concentrations less than MTCA Method A cleanup levels and residual petroleum hydrocarbons were present in a single soil sample collected near the western UST in concentrations at or greater than MTCA Method A cleanup levels. Using MTCA Interim TPH Policy calculations, petroleum concentrations in this sample were deemed not to affect groundwater. No petroleum hydrocarbons were detected in groundwater collected from six wells installed across the site. In August 1998, the eastern, 2,000 gallon UST was removed. Ecology issued a "No Further Action" determination for the site on January 4, 1999. Residual petroleum hydrocarbon concentrations may exist on this site.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
5	WSDOT Parcel Numbers: none, 00450900200100, and 00450900200300	Within the project area	WSDOT Snohomish County Website	Although the Snohomish County website shows that two small areas of the south end of this property are owned by "WA State of Parks & Rec" (the Washington State Department of Parks and Recreation), WSDOT has sufficient documentation to demonstrate that WSDOT in fact owns the entire property. This property is paved and is primarily used as a ferry holding area but contains the three ferry toll booths and the terminal supervisor's building. The terminal supervisor's building was built in 1990. Some or all of this property would be used for the No-Build, Existing Site Improvement, Elliot Point 1, and Elliot Point 2 Alternatives. This property might contain structures requiring renovation, demolition, or excavation. Depending on the age of the toll booths, such structures could be coated with paint containing lead (LBP) or paint containing other heavy metals such as chromium, have ACM, have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. The terminal supervisor's building is new enough that it is unlikely to have LBP or paint containing other heavy metals, ACM, PCBs, or mercury switches.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
6	A & J Enterprises 707 Front St Mukilteo WA 98275-1509 Parcel Number: 00451300100100	Within the project area	Snohomish County Website Herrera 2003 Herrera 2009 EDR Directory Abstract 2011	In the early 1900s, the buildings in this area were reportedly built on pilings with a lagoon existing beneath the buildings. In the 1940s, the area was filled in with sand and gravel. From the late 1940s to the mid-1950s, a Shell gasoline station operated at 715 Front Street, an area located within the existing ferry holding area. From 1966 to 1976 when the building burned down, this property was occupied by the Sea Horse Apartments and an associated restaurant and cocktail lounge. Additional fill may then have been placed on this site to raise it to the present grade. From at least 1981 to 1990, this property was occupied by the Sea Horse Restaurant. Then, until about mid-2008, the property was occupied by the Buzz Inn restaurant, which was demolished when the property was leased to WSF for ferry holding lanes. The property is currently paved and has no structures on it except light standards at the property corners and a stormwater infiltration pond. It is now being used as a ferry holding area. In March 2009, site sampling conducted during archeological trenching revealed the presence of diesel-range organic contamination, identified as Diesel Fuel # 1, about 4.5 to 5.5 feet BGS and just above the water table in places across the eastern leg of the property. The highest contaminant concentration was found just south of the northern boundary of this area of the property. A sample collected from this area from 5.5 feet BGS contained 2,100 mg/kg diesel-range organics. This concentration exceeds the 2,000 mg/kg MTCA Method A soil cleanup level for diesel-range organics for both unrestricted land uses and industrial properties. Cultural artifacts associated with historic buildings impeded sampling at a number of locations; accordingly, higher contaminant concentrations may exist on currently inaccessible portions of the property. Two samples collected further north, on Ivar's parking lot (Site 7, below), had diesel-range organics at non-detect and 120 mg/kg levels. It is expected that all or part of this property would be acquired for the No-Build, Existing Site Improvements, Elliot Point 1, and Elliot Point 2 Alternatives. The property contains structures that may require renovation, demolition, or excavation. Such structures could have ACM and have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs. Diesel-range organic contamination exists on site 4.5 to 5.5 feet BGS; USTs and additional petroleum hydrocarbon contamination may exist on this property from its historical use as a gasoline station.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
7	Ivar's Real Estate Associates LP Parcel Number: 00596900100300	Within the project area	Snohomish County Website Herrera 2009	Although this property has a use code of 581 Eating Places (Restaurants), it is paved, has no structures on it except light standards around the property perimeter, and is being used as a parking lot. In March 2009, two soil samples were collected just north of the southern property boundary as part of sampling conducted during archeological trenching on 707 Front St (Site 6, above). Both samples were collected 4.7 feet BGS and just above the water table. One of the two samples contained no detectable hydrocarbon contamination. The other sample contained 120 mg/kg diesel-range organics, identified as Diesel Fuel #1, This concentration is significantly below the 2,000 mg/kg MTCA Method A soil cleanup level for diesel-range organics for both unrestricted land uses and industrial properties. Contamination may exist on this property farther north, or to the west or east, of the locations from which these samples were collected. It is expected that a portion of the property would be acquired for the Existing Site Improvements Alternative. The property contains structures that may require renovation, demolition, or excavation. Such structures could have asbestos-containing material and have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs. At least low levels of diesel-range organic contamination exist at the southern end of the site 4.7 feet BGS.
8	James Mongrain 724 First St Mukilteo WA 98275-1511 Parcel Number: 00596900100601	Within the project area	Snohomish County Website	This is private property with a use code of 322 Glass & Glassware (Pressed Or Blown). The structure on the property, identified as a commercial structure used for manufacturing, was built in 1980. It is expected that all or part of the property would be acquired for the Existing Site Improvements, Elliot Point 1, and Elliot Point 2 Alternatives. The property contains structures requiring renovation, demolition, or excavation. Such structures could be coated with paint containing lead (LBP) or paint containing other heavy metals such as chromium, have ACM, have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs, and have mercury switches, such as thermostats.
9	BNSF Railway Corridor Mukilteo WA Parcel Number: none	Adjacent to and immediately south of the project area	Herrera 2003	Railroad tracks have been present in the current BNSF Railway corridor since the early 1900s. A railroad depot also was present along the tracks toward the western end of the project area. No available historical information indicates whether loading of hazardous materials, including petroleum products from the Tank Farm, occurred along the main railroad tracks south of the project area.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
10	Mukilteo City *(aka Mukilteo Public Works Shop, City of Mukilteo Public Works Shop)* 801 Mukilteo Lane Mukilteo WA 98275 Parcel Number: 00596901300700	Approximately 260 feet south of the project area near the southeast corner of the intersection of Park Avenue and Mukilteo Lane. Brewery Creek, in the form of a ditch, is located just west of this site.	Ecology Facility/Site Atlas & ISIS Websites 2011 (Ecology ID 26644222) Herrera 2003 ZZA 2005 ZZA 2006 Snohomish County Website EDR Report 2011	The building on this property, a single story corrugated metal commercial building, was constructed in 1978 and is used as a shop building. The City of Mukilteo Public Works Shop has been listed as being a small quantity hazardous waste generator, with used oil recycling conducted at the site. Three violation records were reported during a compliance inspection conducted in 1994 regarding general hazardous waste generator requirements. On January 29, 1998, an Ecology spill unit responded to the site about an observed release of petroleum products (possibly gasoline, diesel, and oil as well as lead) seeping up from the ground to the ground surface and discharging into Brewery Creek, raising concerns that the contamination was migrating off the site and into Puget Sound. The source of the release was believed to be one or both of the two gasoline USTs of up to 1,100 gallons in size listed on the Ecology UST database at that time. The site tenants believed, with some uncertainty, that a third tank may also exist on the property. All tanks were installed in the 1950s and last used in the 1970s and 1980s. It is possible that the 1998 observed release and other possible historical releases from these USTs may have migrated off site through backfill associated with the Brewery Creek storm drain system, affecting soils surrounding the storm drain underlying the western edge of the site. In early 1999, the two USTs, estimated to be 500-600 gallons each in size, were removed. All reasonably accessible contaminated soil was removed, leaving localized areas of soil containing petroleum hydrocarbons in excess of MTCA Method A levels. A 2001 investigation found no soil samples exceeding the 2001 MTCA Method A levels. Investigations and groundwater samplings conducted in 2005 and 2006 found no soil or groundwater samples exceeding MTCA Method A levels. After conducting a review of the voluntary cleanup program work, Ecology issued a “No Further Action” determination for the site on October 12, 2006.
11	Mukilteo Garage 807 Second Street Mukilteo WA 98275-1639 Parcel Number: 00596901200200	Approximately 300 feet south of the project area, east of the southeast corner of the intersection of Park Avenue and Second Street, and east of the Brewery Creek ravine	Herrera 2003 Snohomish County Website	The Mukilteo Garage, an automotive repair service, occupied this property at least from the late 1940s through the early 1970s. The building on the property was constructed in 1920. The current use code assigned to the property is “gasoline service stations.” Two vintage fuel dispensers labeled “Mobil Gas” were observed in front (north) of the garage during a December 2002 site reconnaissance but were gone by the May 23, 2011, windshield survey. No other evidence indicating the presence of USTs or related equipment associated with fuel storage was noted on the east, north, or west sides of the garage building; the south side was not accessible for visual inspection. This site is not registered with Ecology as an UST site.

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
12	Mukilteo Water District Office Tank 1 *(aka Beacon Publishing, Inc.)* 806 Fifth Street Mukilteo, WA 98275 Parcel Number: 00596901000700	1,250 feet south of the SE portion of the project area	Herrera 2003 EDR Report 2011 Ecology Facility/Site Atlas & ISIS Websites 2011 (Ecology ID 37153638) Snohomish County Website	This site is occupied by a general office building that was built in 1956. Although designated as government property, it is currently being occupied by Beacon Publishing, Inc. which issues the Edmonds Beacon. This site had an UST that stored unleaded gasoline. The UST, which had a maximum size of 1,100 gallons, was reportedly installed December 2, 1981, and has been removed. No release has been reported for the site.
13	Mukilteo Tank Farm 1 Front Street 100 Park Street Mukilteo, Washington *(aka US DFSP Mukilteo, Defense Fuel Support Point Mukilteo, DFSP Mukilteo Tank Farm, USAF Defense Fuel Sup Depot, DFSP Mukilteo, Mukilteo Defense Fuel Pt, and Mukilteo DFSP.)* Parcel Numbers: 13a: 00596901400000, 13b: 28040400102900, 13c: Unknown, 13d: 29043300400500, 13e: 00461400000100 13f: 29043400300100	Within the project area	Ecology Facility/Site Atlas & ISIS Websites 2011 (Ecology IDs 2721 and 6222435) 1990 Remedial Action Order 1994 Enforcement Order Herrera 2003 Herrera 2004 Herrera 2006 Oasis 2006 Ecology & Environment 2010 Shaw 2010 Coast & Harbor 2011 EDR Report 2011	See Table C-2

Table C-1. Hazardous Materials Sites Unrelated to the Mukilteo Tank Farm

Site No.	Site Name, Address, & Snohomish County Parcel Number	Site Location Relative to Project Area	Site Information Sources	Relevant Historical and Current Site Uses Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
14	WSDOT Parcel Number: 29043400300100	Within the project area	Snohomish County Website 1983 Deed 2005 Deed	This site was part of a larger parcel of property that belonged to the United States and has a use code of 939 Other Water Areas, NEC. In 1983, the United States, acting through the Department of Transportation, Federal Highway Administration, deeded the site to the State of Washington Department of Transportation. The deed, authorized by 23 USC § 317, gave the land to the state for right-of-way for the Washington Federal-aid Project No. 525, Mukilteo Ferry Terminal. The 1983 deed was amended in 2005 to authorize a multi-modal public transportation facility incorporating ferry, barge, rail and highway. WSDOT currently leases most of this site to the Port of Everett, which built and operates the Mount Baker Terminal facility, a marine-to-rail intermodal facility, on the site. The facility includes a small public shoreline park with parking for the Port of Everett. It is expected that the rest of the site would be used for the Elliot Point 1 Alternative if it is the selected alternative. The property contains structures that may require renovation, demolition, or excavation. Such structures could have ACM and have transformers, circuit breakers, switches, or light fixture ballasts containing PCBs. No information was found stating that that this site is or was contaminated. Because the site is immediately adjacent to Area 2 of the Mukilteo Tank Farm (see Table C-2), some contamination from that property might have migrated to this site. It is presumed that such contamination would have been remediated with the cleanup of Area 2 and that any contamination on the property would be residual.

Table C-2. Mukilteo Tank Farm Hazardous Materials Site, Site 13
1 Front Street or 100 Park Street, Mukilteo, WA 98275
Ecology ID Numbers 2721 and 6222435

Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
Tank Farm Parcel Numbers: 13a: 00596901400000, 13b: 28040400102900, 13c: Unknown, 13d: 29043300400500, 13e: 00461400000100 13f: 29043400300100 1990 Remedial Action Order 1994 Enforcement Order Herrera 2003 Herrera 2006 Oasis 2006 Ecology & Environment 2010 Shaw 2010 EDR Report 2011	Post-1940 Structure and Hazardous Materials Uses: In 1951, the U.S. Air Force constructed the bulk fuel storage area of the Mukilteo Tank Farm (the Tank Farm). The Tank Farm consisted of 10, above-ground, welded-steel, bulk fuel storage tanks (Tanks 1 through 10) and an associated network of piping, valves, fuel filters, and pumping systems. Two of the tanks (Tanks 1 and 2) had capacities of 55,000 barrels (2.3 million gallons) each. The remaining eight tanks (Tanks 3 through 10) had capacities of 80,000 barrels (3.4 million gallons) each. The tanks were situated in 10-foot high concrete containment walls with floors composed of bituminous coating and coal tar emulsion, a membrane liner, 0.5 to 6.0 inches of asphalt, compact stone and asphalt and asphaltic-concrete. By 1979, automatic foam firefighting systems had been added to the bulk fuel storage tanks. Tanks 1 and 2, initially used to store aviation gasoline fuels (AVGAS 100/130), were converted to JP-4 storage in 1981. Tanks 3-10 were used to store JP-4. By 1986, a reinforced concrete floor was installed in each tank containment. The floors were sloped to drain stormwater and periodic tank bottom discharge to gravity oil/water separators located in the northwest corner (for even-numbered tanks) or the northeast corner (for odd-numbered tanks) of the containment areas. The oil/water separators were connected to drain lines equipped with manually operated valves (normally closed). The drain outfalls are believed to be hidden in the protective riprap wall along the northern edge of the Mukilteo Tank Farm. Each odd/even pair of tanks shared a common drain line. An access stairway was located near the oil/water separator for each containment. In 1987, the government decided to close the Mukilteo Tank Farm. Fuel storage and transfer operations on the property ceased in 1989. The bulk fuel storage tanks, except for the welded steel tank bottoms, were demolished and removed from the site in 1999. Portions of the concrete containment walls were cut with saws and removed to provide access during tank removal activities. The Port of Everett currently leases the easternmost portion of the Tank Farm for a paved parking area. This area was known as the truck turnaround or spoils area. Half to three-quarters of the Tank Farm would be acquired for the Elliot Point 1 and Elliot Point 2 Alternatives. Contamination and Remediation History: Each bulk fuel tank was cleaned every 2 to 5 years. Before 1965, sludge generated during tank cleaning was reportedly disposed of in pits in the truck turnaround area east of Tank 10 (see Figure 9 in the main text showing the locations of former and current Mukilteo Tank Farm structures). This area was known as the spoils area. Such sludge was also apparently buried periodically in containment areas for Tanks 3, 6, and 10. The sludge was an oil-and-water mixture of residual or out-of-specification fuel, sandblast grit, tank scale and oily grit, and rinse water. The sludge may have had elevated concentrations of heavy metals not present in fuel, especially since copper smelter slag was used for sandblast material. When onsite sludge disposal was discontinued, the sludge was reportedly disposed in a landfill at Paine Field. In 1979, investigation of the containments of Tanks 1, 2, 3, 8 and 10 found soils partially saturated with fuel oil in each of the investigated containments. In 1981, Tank 10 was taken out of service because of a fuel leak discovered in 1980. In 1982, soil and groundwater in the northeastern portion of the property was found to be contaminated with chloroform, methylene chloride, tetrahydrofuran, benzene, ethylbenzene, toluene, and total petroleum hydrocarbons including JP-4. Lead and several unknown compounds were also found in the groundwater. In 1983,

Table C-2. Mukilteo Tank Farm Hazardous Materials Site, Site 13
1 Front Street or 100 Park Street, Mukilteo, WA 98275
Ecology ID Numbers 2721 and 6222435

Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
Tank Farm, continued	Contamination and Remediation History, continued: and again in 1986-1987, floating product was observed on groundwater north of Tank 10. In 1986, a damaged section of underground distribution pipeline north of Tank 9 led to an estimated loss of 6,700 gallons of JP-4 to the ground, leading to seeps to the beach and a sheen on Possession Sound. In 1987, a product recovery trench was installed road north of Tanks 9 and 10 containments. In 1986, the U.S. Army Corps of Engineers contracted with Monarch Painting Corporation (given an address of Park Ave & Front St 3, Mukilteo WA 98275) to sandblast and repaint Tanks 1, 2, 3, 7, and 8. Approximately 30 cubic yards of spent sandblasting grit was transported off site for fill on the Max Ford Crane Service property. Based on concentrations of chromium and lead found in the spent grit after it was transported off-site, Max Ford Crane Service contracted with Northwest Enviro-Services in February 1987 to remove the spent grit from its property. No documents exist at Ecology as to whether an assessment of surface soil surrounding Tanks 1, 2, 3, 7, and 8 was conducted to determine if residual sandblasting grit posed an environmental hazard. According to an internal memorandum, Ecology collected water samples around Tanks 3, 7, and 8 in November 1996 out of concern that contaminants associated with painting and sandblasting may have affected stormwater discharging to Puget Sound. Samples collected from water around Tanks 7 and 8 were tested for metals and found clean enough to be discharged. Water collected around Tank 3 was found contaminated with metals at concentrations above state water cleanup standards. During remedial investigation work in 1993, low concentrations of DDT, aldrin, b-BHC, endrin, and other pesticide-related constituents were detected in subsurface soils collected between 4.5 and 15 feet below ground surface from several borings drilled at the Tank 8, 9, and 10 containment areas. The concentrations were low, indicating normal application of pesticides across the site. However, it is possible that pesticides may have been disposed of on the site, most likely within the spoils area, along with tank sludge. The Washington State Office of the Attorney General and the DLA entered into a Remedial Action Order in 1990 and Ecology issued an Enforcement Order in 1994 for the cleanup of the Mukilteo Tank Farm. After investigative work was performed in the early 1990s, the Mukilteo Tank Farm, including the Tank Farm itself, was divided into three operable units or areas for corrective action purposes: Area 1, Area 2, and Area 3. Contaminants of concern included volatile and semivolatile organic compounds and heavy metals. Area 1, which included Tanks 1 and 2 and half of Tank 3, focused mainly on contamination in the vicinity of the U.S. Air Force Fuels Laboratory and is discussed below under that structure. Area 3, which consisted of the other half of Tank 3, all of Tanks 4, 5, and 6, and most of Tank 7, required no corrective action because no significant contaminant levels were identified in that area. Area 2 consisted of the rest of Tank 7, all of Tanks 8, 9, and 10, and the spoils areas to the east of Tank 10. Area 2 was found to have soil and groundwater contamination, with a dissolved groundwater contaminant plume centered between Tanks 9 and 10, extending parallel to the shoreline from the west end of the Tank 9 containment to the east end of the Tank 10 containment. A remediation system was installed in Area 2 consisting of soil vapor extraction and air sparge subsystems covering the containment areas for Tanks 8, 9, and 10. Air sparge subsystems were connected through a series of aboveground PVC pipelines that converged to blowers located inside remediation treatment system compounds for Area 2. Soil vapor was routed to thermal catalytic oxidizers through aboveground PVC

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Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
Tank Farm, continued	Contamination and Remediation History, continued: pipelines. The remedial systems were started up in May 1997 and shut down in November 2000, having removed approximately 338,000 pounds of hydrocarbons (or approximately 49,400-56,100 gallons of hydrocarbons, using conversion factors of 6.02 pounds per gallon for aviation gasoline fuels and 6.84 pounds per gallon for JP-4). To expedite a "cleanup complete" determination for the bulk of the Mukilteo Tank Farm, Ecology agreed to allow Area 1 to be divided lengthwise into Area 1A to the north and Area 1B to the south, with Area 1A containing the monitoring wells still out of compliance with the Compliance Monitoring Plan. On April 21, 2005, Ecology issued a Partial Satisfaction of Enforcement Order No. DE 93TC-N268 indicating that no further monitoring was required for Areas 1B, 2, and 3. It is thought that buried sludge may remain in the spoils area. Project-related archeological trenching and boring conducted in 2006 and 2007 in Area 1 and the western half of Area 3 found PAHs and cPAHs in excess of site-specific soil cleanup standards and diesel- and lube oil-range petroleum hydrocarbons in excess of MTCA Method A cleanup levels in the granular asphalt bedding material beneath the bottom pad of Tank 3. It is thought that this contamination exists in bedding material beneath all large AST pads. At the same time, contamination exceeding site-specific soil cleanup standards was found east of the U.S. Air Force Fuels Laboratory; this discussed below under that structure. Gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, were found above MTCA Method A soil cleanup levels north of Tank 2; west of Tank 16 (south of the pump shelter); south and west of the former maintenance shop (Building 4); north, east, and west of the former storage building (Building 405); east of Tank 12 (southeast of the former Building 405); and north of Tank 3 (see Figure 1-10 in the main text). This contamination was found in soils 9 to 12 feet BGS, a depth characterized as a smear zone where petroleum product had accumulated in the past, floating on top of the tidally affected groundwater. This contamination may be 6 inches to 1 foot thick and in the vicinity of the water table and may also exist in Area 2. Current Site Conditions and Contaminants of Concern: All that remains of and within the Tank Farm are the welded steel bottoms of the ten bulk fuel storage tanks; the concrete containment walls and their access stairways; the reinforced concrete floors; the network of underground piping, valves, fuel filters, and pumping systems; the oil/water separators and their associated drain lines; and underground piping and structures, as well as unabandoned monitoring, extraction, and air sparging wells, from remediation activities. The bottoms of Tanks 1 and 2 are approximately 90 feet in diameter, each situated within concrete containments of 180 feet by 173 feet. The bottoms of Tanks 3 through 10 are approximately 110 feet in diameter, each situated within containments of 282 feet by 160 feet. Residual caulking material observed around the rims of the tank bottoms may contain asbestos fibers (see Figure 11 in the main text). The Tank 7 containment area is filled with reinforced concrete rubble, possibly generated from the removal of some of the containment walls. Residual petroleum may be encountered during decommissioning of underground pipelines and structures. Contaminants from tank cleaning sludge, anticipated to consist of heavy metals and petroleum hydrocarbons from residual fuel and sandblast material, though apparently addressed during the cleanup of the Mukilteo Tank Farm, may exist east of Tank 10 in the spoils area as well as in the Tank 3 and 6 containments. Chromium and lead may exist in sandblasting residues in the Tank 1, 2, 3, 7, and 8 containment areas.

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Tank Farm, continued	Current Site Conditions and Contaminants of Concern, continued: PAHs and cPAHs in excess of site-specific soil cleanup standards and diesel- and lube oil-range petroleum hydrocarbons in excess of MTCA Method A cleanup levels exist in the granular asphalt bedding material beneath the bottom pad of Tank 3 and likely exist in the bedding material beneath all of the large AST pads. Gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, exist above MTCA Method A soil cleanup levels in soil in Areas 1 and 3 and possibly also in soil in Area 2 that is 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot in thickness and in the vicinity of the water table.

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Tank Farm Pier No Snohomish County Parcel Number 1990 Remedial Action Order USDD 1993 1994 Enforcement Order Herrera 2003 Herrera 2004 Herrera 2006 Oasis 2006 Ecology 2008 Ecology & Environment 2010 Shaw 2010 Coast & Harbor 2011	Post-1940 Structure and Hazardous Materials Uses: The U.S. Army built the Tank Farm Pier in 1941 as part of the Mukilteo Explosive Loading Terminal and then used it during World War II to load ammunition onto ships bound for the Pacific theater. The Tank Farm Pier extends northeast into Possession Sound from between Tanks 2 and 3. The pier is 1,360 feet long by 102 feet wide and has 3,900 creosote pressure-treated piles. It has also been reported that the extent of rot and lack of creosote discovered during a 1982 physical and core-sample investigation of the pier's piles indicate that the piles may not have been fully treated prior to pier construction, since piers built during World War II often were constructed during times of material shortages, and that many of the piles have little or no creosote coating left. After the U.S. Air Force acquired the Mukilteo Tank Farm in 1951, the pier was reinforced with a concrete deck and four railroad spurs were constructed on the pier. In 1959, approximately 520 of the original 3,900 piles of the Tank Farm Pier were replaced. At some point, one of the spurs was removed to allow for construction of fuel conveyance pipelines extending the full length of the pier. The pier was used to receive deliveries of JP-4 and aviation gasoline from 1953 through at least 1973 and possibly until 1989 when fuel storage and transfer operations ceased on the Mukilteo Tank Farm. The fuels delivered to the pier were distributed, by a network of pipes and associated equipment including the ten Tank Farm tanks, to barges, railcars, and tanker trucks. By the late 1970s, the pier had fallen into disrepair and was no longer used for loading fuel onto railcar tankers. Because of safety concerns, access to the pier is not granted. The pipelines, reportedly empty, remain on the pier. A pier operations building/guard shack exists which currently contains piping, wiring, and electrical controls for the pier. The pier would be completely demolished up to its bulkhead for the Elliot Point 1 and Elliot Point 2 Alternatives. Contamination and Remediation History: Sediment has built up under the pier with the top of the sediment mound being as much as 25 feet higher than the surrounding sediment. Sediment in contact with creosote-treated piles can be contaminated with creosote components that have leached from the piles. No samples have been collected from the sediment mound under the pier to determine if creosote contamination is present. During World War II, crates of ammunition were reportedly lost over the side of the pier during ship-loading operations. In 1986-1987, U.S. Navy divers recovered several World War II vintage ammunition shells from beneath the pier. In 1993 and possibly also in 1994 an underwater marine sediment ordnance survey was conducted of the pier to a depth of 12 inches from 20 feet under the pier to 50 feet away from the pier to locate potentially buried ordnance remaining from World War II ammunition loading operations. The survey was also performed in the vicinity of the trestle pier, a pier formerly located at the far east end of the Mukilteo Tank Farm that was also used for loading ammunitions onto ships. No ordnance was found.

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Tank Farm Pier, continued	Contamination and Remediation History, continued: Although not noted in any of the documentation reviewed for this report, it is likely that some of the JP-4 and aviation gasoline fuels delivered to the pier spilled into Possession Sound due to equipment and pipe leaks, malfunctions, and failures. Some of this spilled fuel may have contaminated sediments that wound up in the sediment mound. Sediments in the vicinity of the pier that may have been contaminated due to upland Mukilteo Tank Farm activities appear to have been remediated as part of the cleanup performed pursuant to the Remedial Action Order entered into between the Washington State Office of the Attorney General and the DLA in 1990 and the Enforcement Order issued by Ecology in 1994. In 2003, marine sediment samples collected from the top 10 cm (4 inches) at 10 intertidal and 13 subtidal locations were found to comply with regulatory cleanup criteria for all organic and inorganic contaminants of concern. The samples had been analyzed for volatile and semivolatile organic compounds, pesticides, PCBs, metals, and nitroaromatic compounds (for the presence of ammunition constituents). Based on these results, no further assessment or remedial cleanup action for marine sediment along the shoreline at the Mukilteo Tank Farm was required by Ecology. These results contributed to Ecology's issuance of a "No Further Action" determination for the Mukilteo Tank Farm in 2006 and apparently led to the Mukilteo Tank Farm being given a site cleanup status of "Removal from Hazardous Sites List Completed" in Ecology's 2008 Sediment Cleanup Site Status Report. Current Site Conditions and Contaminants of Concern: The pier structure itself has 3,900 creosote pressure-treated piles. Although access to the pier was prohibited for safety reasons, the pier could be seen to have light standards, what appeared to be an elevated walkway, a pier operations building/guard shack, smaller sheds, and piping. The walkway and piping could be coated with paint containing lead and possibly other heavy metals such as chromium. Light fixture ballasts and other oil-filled electrical equipment in the building and sheds and on the pier could contain PCBs. Mercury switches, such as thermostats, as well as ACM, could exist in any structures on the pier. The sediment mound that has built up under the length of the pier and up to 25 feet higher than surrounding sediment could be contaminated with creosote components that have leached from the pier piles. Because of the 1986-1987 and 1993-1994 efforts to locate and recover ammunition lost over the side of the pier during World War II, it is unlikely though possible that ammunition exists in the sediment mound beneath the pier or in the vicinity of the pier. Some JP-4 and aviation gasoline-related contamination may exist in the sediment mound beneath the pier. No sediment that has built up under the pier has been sampled.

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BNSF Railway Siding Parcel Numbers: 13b: 28040400102900, 13c: Unknown, 13d: 29043300400500, 13e: 00461400000100 13f: 29043400300100 Herrera 2003 Shaw 2010	Post-1940 Structure and Hazardous Materials Use History: An offshoot, or siding, of the main railroad track south of the Mukilteo Tank Farm was built for use by the Mukilteo Lumber Company or the Crown Lumber Company, the companies that operated the lumber mill that occupied the Mukilteo Tank Farm from 1903 to 1930. In the early 1940s, two spurs were developed at the west and east ends of this track siding for use in loading ammunition onto ships: one for the Tank Farm Pier and one for the former trestle pier located at the far east end of the property near where the Mount Baker Terminal is now. These spurs were later used by U.S. Air Force's bulk fuel storage and transfer facility. It is assumed that railcar storage tanks were loaded with fuel either on the Tank Farm Pier or along the track siding. Part of the BNSF Railway Tank Farm Pier spur would be acquired for the Elliot Point 2 Alternative. Contamination and Remediation History: Possible contaminants associated with the siding and spurs include contamination from the ties and timber used for building the track and residual JP-4 and aviation gasoline-related contaminants that may have been spilled or leaked during railcar loading. The timber surrounding the railroad track itself looks like it was pressure-treated with creosote or some other compound. Current Site Conditions and Contaminants of Concern: No evidence of the siding of the main railroad track could be found during a May 23, 2011, site visit. Assuming that the siding was north of and next to the existing BNSF Railway corridor, it might have been removed during the 2007-2008 construction of the Mukilteo Station or at some prior date. The spur that extended from the siding to the Tank Farm Pier still exists from near the north side of the Tank Farm between Tanks 2 and 3 to at least the entry to the Tank Farm Pier. The track is embedded in what appears to be pressure-treated timber. Creosote and pressure-treatment wood preservatives from the treated track timber and residual JP-4 and aviation gasoline-related contamination may exist along the Tank Farm Pier spur.

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Bulk Fuel Distribution Facilities Parcel Numbers: 13b: 28040400102900, 13c: Unknown, 13d: 29043300400500, 13e: 00461400000100 13f: 29043400300100 1994 Enforcement Order Herrera 2003 Herrera 2006 Shaw 2010	Post-1940 Structure and 1940 Hazardous Materials Use History: In 1951, the U.S. Air Force constructed the Tank Farm and installed a network of above and below ground piping, valves, fuel filters, and pumping systems for distribution of the fuel delivered to the Tank Farm Pier. In addition to the network of piping, valves, fuel filters, and pumping systems on the Tank Farm Pier itself, the U.S. Air Force installed a network of underground piping, valves, fuel filters, and pumping systems leading from the Tank Farm Pier to the Tank Farm, within the Tank Farm itself, from the Tank Farm to the barge and railcar loading areas, and from the Tank Farm to the two truck-loading racks, which are described below in the NOAA Mukilteo Research Station section of this table. Fuel pumps and other fueling equipment remain at and in the vicinity of the pump shelter (see Figure 12 in the main text). Part of the bulk fuel distribution facilities would be acquired for the Elliot Point 1 and Elliot Point 2 Alternatives. Contamination and Remediation History: Possible contaminants associated with the bulk fuel distribution facilities include residual JP-4 and aviation gasoline-related contamination, ACM (e.g., gaskets), and exposed surfaces likely covered with paint containing lead and possibly other heavy metals such as chromium. Current Site Conditions and Contaminants of Concern: The network of underground piping, valves, fuel filters, and pumping systems that connect the Tank Farm Pier to the Tank Farm, the Tank Farm to the barge and railcar loading areas, and the Tank Farm to the two truck-loading racks may have ACM (such as gaskets) and, where exposed, are likely covered with paint containing lead and possibly other heavy metals such as chromium. Residual JP-4 and aviation gasoline-related contamination may exist along this network of piping, valves, fuel filters, and pumping systems.

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U.S. Air Force Fuels Laboratory and vicinity ***(aka US AF Aerospace Fuel Lab)*** No Snohomish County Parcel Number 1990 Remedial Action Order 1994 Enforcement Order Herrera 2003 Herrera 2006 Oasis 2006 Ecology & Environment 2010 Shaw 2010 EDR Report 2011	Post-1940 Structure and Hazardous Materials Use History: In 1955, a U.S. Air Force Fuels Laboratory (fuels laboratory) began operating on-site in a building located near the Possession Sound shoreline north of and between Tanks 2 and 3. The fuels lab ceased operations and moved off site in 2003. The lab had an address of 10 Park Avenue C, Building 1 (and possibly also at Building 8), Mukilteo WA, though Front Street & Loveland Avenue have also been given as an address for the lab. The lab building is located within a secured fenced enclosure. The lab was responsible for analysis of petroleum, including fuels, as well as of oils and lubricants, as requested by the U.S. Department of Defense and the U.S. Coast Guard. Although located within the Mukilteo Tank Farm, the lab reportedly was not used in support of the U.S. Air Force bulk fuel storage and transfer facility. The laboratory maintained a small hazardous materials storehouse east of the lab building for storing isopropanol, acetone, heptane, and small quantities of other laboratory chemicals. According to its 1999 biennial report, the facility generated 10,227 pounds of hazardous waste, including ignitable and corrosive wastes, lead, benzene, chloroform, and spent solvents. The facility also recycled oil. Wastes generated by the lab were reportedly handled for disposal through the Environmental Management Branch at McChord Air Force Base. An underground vault containing an oil/water separator, located between the laboratory and the Tank Farm Pier, was used by the laboratory into 2003. This oil/water separator is apparently what is also known as the main oil/water separator for the Mukilteo Tank Farm. The following USTs are known to have existed or to exist in the general vicinity of the lab: - a 12,000-gallon slop UST located between the main oil/water separator and the Tank Farm Pier (Tank 11, also known as the slop tank); - a 3,000-gallon heating oil UST located east of the lab (Tank 18); - a 4,280-gallon fiberglass heating oil UST located south of the lab (unnamed; this tank replaced the heating oil tank located east of the lab); and - a slop UST located west of the lab (unnamed, capacity unknown, waste products drained from tanker trucks). None of the U.S. Air Force Fuels Laboratory or vicinity would be acquired for any of the alternatives. Contamination and Remediation History: As is described above under the Tank Farm portion of this table, each of the bulk fuel tanks was cleaned every 2 to 5 years. It is reported that before 1965, some of the sludge generated during tank cleaning was buried periodically in the containment area for Tank 11. It is unclear if this is an accurate statement since Tank 11 is generally known as the 12,000-gallon UST slop tank that likely wouldn't have had a containment area like the 10 bulk fuel tanks. Regardless, the sludge was an oil-and-water mixture of residual or out-of-specification fuel, sandblast grit, tank scale and oily grit, and rinse water. The sludge may have had elevated concentrations of heavy metals not present in fuel, especially since copper smelter slag was used for sandblast material. When onsite sludge disposal was discontinued, the sludge was reportedly disposed in a landfill at Paine Field.

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U.S. Air Force Fuels Laboratory and vicinity, continued	Contamination and Remediation History, continued: By 1982, a fuel recovery well (RW1) had been installed between the lab and the Mukilteo Tank Farm's main oil/water separator. Floating product was observed in RW1 in 1984. The suspected source of the product was an unconfirmed UST east of the lab that might have been the same UST known as Tank 18. In 1991, the following USTs were removed from the general vicinity of the lab. Petroleum hydrocarbons, metals, PAHs, and PCBs were detected in the samples collected during the removal of the USTs. - Tank 11 (the 12,000-gallon slop UST located between the main oil/water separator and the Tank Farm Pier); approximately 3,000 gallons of floating product were removed prior to backfilling the Tank 11 excavation; - Tank 18 (the 3,000-gallon heating oil UST located east of the lab); and - The slop UST located west of the lab (unnamed, capacity unknown, waste products drained from tanker trucks). As is described above under the Tank Farm portion of this table, the Mukilteo Tank Farm was divided into three operable units or areas for corrective action purposes pursuant to investigative work performed in the early 1990s after the Washington State Office of the Attorney General and the DLA entered into a Remedial Action Order in 1990 and Ecology issued an Enforcement Order in 1994 for the cleanup of the Mukilteo Tank Farm. Area 1 extended from the west end of the Mukilteo Tank Farm to the center of the Tank 3 containment area and included Tanks 1 and 2 and half of Tank 3, the NOAA Mukilteo Research Station, which is discussed below, and the lab and vicinity. Area 1 was found to have soil, groundwater, and floating product contamination, with a floating product plume and an associated dissolved groundwater contaminant plume. The remediation system installed in Area 1 consisted of an extensive underground network of fuel product recovery, soil vapor extraction, and air sparge subsystems extending from the former truck-loading racks (described below in the NOAA Mukilteo Research Station section of this table) to the Tank Farm Pier and from the Tank 2 containment area to the pump shelter. Air sparge subsystems were connected through a series of aboveground PVC pipelines to blowers located inside remediation treatment system compounds. One such compound was located in a fenced enclosure east of Tank 2 (see Figure 9 in the main text showing the locations of former and current Mukilteo Tank Farm structures). A small building, labeled "IT Corp.," and located south of the fenced enclosure stored equipment associated with the remediation treatment systems. Soil vapor was routed to thermal catalytic oxidizers through aboveground PVC pipelines. Floating product recovery pumps were installed in 20 wells located across Area 1. The remedial systems started up in May 1997 and were shut down in November 2002, having removed approximately 980,500 pounds of hydrocarbons (or approximately143,300-162,900 gallons of hydrocarbons, using conversion factors of 6.02 pounds per gallon for aviation gasoline fuels and 6.84 pounds per gallon for JP-4).

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U.S. Air Force Fuels Laboratory and vicinity, continued	Contamination and Remediation History, continued: As is described above under the Tank Farm portion of this table, Area 1 was divided lengthwise into two parts, creating Area 1A to the north and Area 1B to the south because the only compliance monitoring wells not meeting the Compliance Plan were in the northern part of Area 1. While Areas 1B, 2, and 3 had received a notice of satisfaction from Ecology, Area 1A continued to be monitored until November 2005 when it met the site cleanup levels. In 2006, Ecology issued a “No Further Action” determination for the entire Mukilteo Tank Farm. As is described above under the Tank Farm portion of this table, project-related archeological trenching and boring conducted in 2006 and 2007 in Area 1 and the western half of Area 3 found contamination exceeding site-specific soil cleanup standards in three soil samples (H21 for PAHs, cPAHs, and lead; H22 for benzene; and CPT24 for PAHs, lead, and silver) collected east of the lab near the main oil/water separator and former slop tank (Tank 11) (see Figure 10 in the main text). Gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, were detected in excess of MTCA Method A soil cleanup levels between the former truck-loading racks and the pump filters building; south of the lab building; and near the main oil/water separator. This contamination was found in soils 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table. Current Site Conditions and Contaminants of Concern: The lab-related structures that still exist are the lab building, the hazardous materials storehouse, a small, empty, metal shack, the main oil/water separator, and possibly the 4,280-gallon fiberglass heating oil UST installed south of the lab. The buildings could be coated with lead-based paint, have ACM, have light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. Hazardous materials requiring proper disposal may remain in the storehouse. Sludge contaminated with petroleum products and related constituents may need to be cleaned out of the oil/water separator and, depending on the integrity of the structure, may exist in the soil around the oil/water separator. The UST, if it exists, may need to be drained and removed. Soil contaminated with heating oil may need to be cleaned up depending on the integrity of the UST and its piping. Underground piping and structures, as well as unabandoned monitoring, recovery, extraction, and air sparging wells from remediation activities remain in the area extending from the former truck-loading racks to the Tank Farm Pier and from the Tank 2 containment area to the pump shelter. Residual petroleum may be encountered during decommissioning of such pipelines, structures, and wells, particularly those associated with the floating product recovery system. Contaminants from tank cleaning sludge, anticipated to consist of heavy metals and petroleum hydrocarbons from residual fuel, though possibly addressed during the removal of Tank 11, may remain in the Tank 11 area. PAHs, cPAHs, benzene, lead, and silver in excess of site-specific soil cleanup standards and gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, in excess of MTCA Method A cleanup levels exist east of the lab near the main oil/water separator and former slop tank (Tank 11) and between the former truck-loading racks and the pump filters building, south of the lab building, and near the main oil/water separator. This contamination exists in soil that is 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table.

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Ecology ID Numbers 2721 and 6222435

Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
NOAA Mukilteo Research Station No Snohomish County Parcel Number 1990 Remedial Action Order 1994 Enforcement Order Herrera 2003 Oasis 2006 Ecology & Environment 2010 Shaw 2010	Post-1940 Structure and Hazardous Materials Use History: When the U.S. Air Force acquired the Mukilteo Tank Farm in 1951 and converted it into a bulk fuel storage and transfer facility, the Air Force constructed, as part of the facility, an administration building in the northwest corner of the property and two truck-loading racks east of the administration building for transferring JP-4 and aviation gasoline from the Tank Farm to tanker trucks. A network of underground piping, valves, fuel filters, and pumping systems leading from the Tank Farm to the truck-loading racks was installed along with the truck-loading racks. In 1972, NOAA began on-site operations by providing a field headquarters for NMFS (the NOAA Mukilteo Research Station) in the former administration building on a 1.1 acre tract in the northwest corner of the Mukilteo Tank Farm. At some point, the two truck-loading racks were demolished. The NOAA Mukilteo Research Station, still operating on site and the only tenant of the Mukilteo Tank Farm, maintains a very small quantity of methylene chloride, ethanol, formaldehyde, and other laboratory chemicals in support of its studies. In December 2002, a modular trailer containing a wastewater ozone treatment system associated with NOAA studies was observed west of the NOAA building. A cargo container labeled as containing hazardous substances was observed southeast of the building. A fenced-in area containing temporary shelters, large water tanks, a freshwater/seawater recirculating system, and other equipment associated with NOAA activities were observed east of the building. All piping associated with the water recirculating system is aboveground; no underground structures are associated with this system. An open storage area farther east of the fenced enclosure was used by NOAA for storage of equipment such as PVC pipes, fish traps, small boats and trailers. This is the area apparently occupied by the two former truck-loading racks. NOAA is also using the former fire station building (Building T-453) for boat storage. The following USTs are the only ones known to have existed or to exist in the general vicinity of the NOAA Mukilteo Research Station: - a 1,500-gallon heating oil UST located west of the NOAA building (Tank 19); this UST was removed in 1999; and - a 2,500-gallon slop UST located adjacent to one of two truck-loading racks (unnamed, waste products drained from tanker trucks prior to loading; apparently the same tank described as “a slop fuel tank at the southwest end of easternmost truck-loading rack”); this UST was removed in 1991; petroleum hydrocarbons, metals, PAHs, and PCBs were detected in the samples collected during the removal of the UST. None of the NOAA Mukilteo Research Station or vicinity would be acquired for any of the alternatives. Contamination and Remediation History: As is described above under the Tank Farm and U.S. Air Force Fuels Laboratory portions of this table, the Mukilteo Tank Farm was divided into three operable units or areas for corrective action purposes pursuant to investigative work performed in the early 1990s after the Washington State Office of the Attorney General and the DLA entered into a Remedial Action Order in 1990 and Ecology issued an Enforcement Order in 1994 for the cleanup of the Mukilteo Tank Farm. Area 1 extended from the west end of the Mukilteo Tank Farm to the center of the Tank3 containment area and included Tanks 1 and 2 and half of Tank 3, the NOAA Mukilteo Research Station, and the U.S. Air Force

Table C-2. Mukilteo Tank Farm Hazardous Materials Site, Site 13
1 Front Street or 100 Park Street, Mukilteo, WA 98275
Ecology ID Numbers 2721 and 6222435

Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
NOAA Mukilteo Research Station, continued	Contamination and Remediation History, continued: Fuels Laboratory and vicinity. Area 1 was found to have soil, groundwater, and floating product contamination, with a floating product plume and an associated dissolved groundwater contaminant plume. The remediation system installed in Area 1 consisted of an extensive underground network of fuel product recovery, soil vapor extraction, and air sparge subsystems extending from the former truck-loading racks to the Tank Farm Pier and from the Tank 2 containment area to the pump shelter. Air sparge subsystems were connected through a series of aboveground PVC pipelines to blowers located inside remediation treatment system compounds. One such compound was located in a fenced enclosure east of Tank 2 (see Figure 9 in the main text showing the locations of former and current Mukilteo Tank Farm structures). A small building, labeled “IT Corp.,” and located south of the fenced enclosure stored equipment associated with the remediation treatment systems. Soil vapor was routed to thermal catalytic oxidizers through aboveground PVC pipelines. Floating product recovery pumps were installed in 20 wells located across Area 1. The remedial systems started up in May 1997 and were shut down in November 2002. In 2006, Ecology issued a “No Further Action” determination for the Mukilteo Tank Farm. As is described above under the Tank Farm portion of this table, project-related archeological trenching and boring conducted in 2006 and 2007 in Area 1 and the western half of Area 3 found gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, in excess of MTCA Method A soil cleanup levels between the former truck-loading racks and the pump filters building. This contamination was found in soils 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table. Current Site Conditions and Contaminants of Concern: The NOAA Mukilteo Research Station is operational and its buildings still exist. The main building and fire station (Building T-453) could be coated with lead-based paint, have ACM, have light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. Hazardous materials, including laboratory chemicals, requiring proper disposal may exist both in the building and in the cargo container labeled as containing hazardous substances. Underground piping and structures, as well as unabandoned monitoring, recovery, extraction, and air sparging wells from remediation activities remain in the area extending from the former truck-loading racks to the Tank Farm Pier. Residual petroleum may be encountered during decommissioning of such pipelines, structures, and wells, particularly those associated with the floating product recovery system. Gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, in excess of MTCA Method A soil cleanup levels exist between the former truck-loading racks and the pump filters building. This contamination exists in soil that is 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table.

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Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
Miscellaneous structures, including electrical transformers and related oil-filled equipment Parcel Numbers: 13b: 28040400102900, 13c: Unknown, 1990 Remedial Action Order 1994 Enforcement Order Herrera 2003 Oasis 2006 Ecology & Environment 2010 Shaw 2010	<u>Post-1940 Structure and 1940 Hazardous Materials Use History</u>: After the U.S. Air Force acquired the Mukilteo Tank Farm in 1951 it converted it into a bulk fuel storage and transfer facility and constructed or installed a number of structures on the western half of the property, including the following structures (see Figure 9 in the main text showing the locations of former and current Mukilteo Tank Farm structures): - two small buildings on either side of the main entrance used as guard shacks (one of which may be Building T-408); - a small administration building (located near the main entrance); - a 500-gallon heating oil UST located west of the fire station (Tank 17); - a pump filters building (consisting of a metal roof with no walls); - a building known as the IT Corp. building; - a pump shelter canopy (consisting of a metal roof with no walls) with associated fuel pump equipment; - a 2,000-gallon FSII AST located south of the pump shelter (Tank 16); - a maintenance shop building (Building 4), which also includes an electrical substation and an emergency generator; - a 500-gallon diesel UST located adjacent to the maintenance shop building (Tank 14, for emergency generator use); - a large storage building (also known as Building 405 or T-405), containing surplus materials from the remediation system construction as well as surplus materials from the fuels laboratory; - a 12,000-gallon diesel UST located immediately southeast of Building 405 (Tank 12); - a 12,000-gallon railcar diesel storage tank (Tank 13) and a 10,000-gallon railcar fuel system icing inhibitory (FSII) storage tank (Tank 15), located together within a containment area southeast of Building 405; and - a foam pump house with an associated foam tank. The following electrical transformers and related oil-filled equipment (e.g., circuit breakers and switches) have been identified within the Mukilteo Tank Farm (see Figure 9): - Three pole-mounted transformers located at the southwest corner of the property; - An electrical substation transformer located north of and adjacent to the maintenance shop (Building 4) and a nearby small pad-mounted transformer (see Figure 13 in the main text);

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Miscellaneous structures, including electrical transformers and related oil-filled equipment, continued	Post-1940 Structure and 1940 Hazardous Materials Use History, continued: - Several switches and circuit breakers located east of the pump shelter and northeast of the foam pump house (see Figure 14 in the main text); - Four electrical transformers mounted on an elevated platform located southwest of the fuels laboratory facility. Some of these structures, electrical transformers, and related oil-filled equipment exist on land that would be acquired for the Elliot Point 1 and Elliot Point 2 Alternatives. Contamination and Remediation History: The following tanks were removed from the western half of the property in or after 1991. Petroleum hydrocarbons, metals, PAHs, and PCBs were detected in the samples collected during the removal of those tanks removed in 1991. • .All but the bottoms of Tanks 1 – 10, the bulk fuel storage tanks, were disassembled for scrap in 1999.. • Tank 11, a 12,000-gallon slop UST located between the main oil/water separator and the Tank Farm Pier, removed in 1991 approximately 3,000 gallons of floating product were removed from the tank excavation prior to backfilling. • Tank 13, the 12,000-gallon railcar diesel storage tank, located together with Tank 15 in a containment area southeast of the former Building 405, unknown removal date. • Tank 14, a 500-gallon diesel UST located adjacent to the former maintenance shop building (Building 4) for emergency generator use, removed in 1991. • Tank 15, a 10,000-gallon steel railcar FSII storage tank, located together with Tank 13 in a containment area southeast of the former Building 405, unknown removal date. • Tank 17, a 500-gallon heating oil UST located west of the fire station, removed in 1991. • Tank 18, a 3,000-gallon heating oil UST located east of the fuels laboratory, removed in 1991. • Tank 19, a 1,500-gallon heating oil UST located west of the NOAA Mukilteo Research Station building, unknown removal date. • Unnamed tank, a 2,500-gallon slop UST located on the southwest side of the easternmost former truck-loading rack, held waste products drained from tanker trucks prior to loading, removed in 1991. • Unnamed tank, a slop UST of unknown capacity located west of the fuels laboratory, held waste products drained from tanker trucks, removed in 1991.

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Miscellaneous structures, including electrical transformers and related oil-filled equipment, continued	Contamination and Remediation History, continued: The following tanks may still exist or are known to exist on the property: • Tank 12, a 12,000-gallon empty concrete diesel tank located immediately southeast of Building 405, the former storage building • Tank 16, a 2,000-gallon empty FSII AST located south of the pump shelter • Foam Tank, a rectilinear firefighting foam chemical AST adjacent to the foam pump house (Building T-408). • Unnamed tank, a 4,280 (4,400?) gallon empty fiberglass heating oil UST located south of the fuels laboratory. The following structures were removed from the western half of the property before the May 23, 2011, site visit, possibly as part of the 2007-2008 construction of Mukilteo Station: • the IT Corp. building • the maintenance shop building (Building 4) • the large storage building (also known as Building 405 or T-405) The U.S. Air Force analyzed oils from on-site transformers in 1990, 1998, and 2003 for PCB content. No PCB transformers with more than 50 parts per million (ppm) PCBs were found. However, the January 1990 analysis of seven transformer oil samples found that all but one sample were below the regulatory limit of 50 ppm. The transformer with serial number 6454047 was found to contain Arochlor 1260 at 260 ppm. Further, three of the four transformers situated on the elevated platform southwest of the fuels laboratory were observed in December 2002 to have yellow labels. McChord Air Force Base labeled any transformers on the site that contained PCB concentrations greater than 50 ppm with yellow labels. However, it is reported that all PCB-containing transformers have been removed from the property. During site assessment work in 1991, low concentrations of pesticide constituents were detected in a surface soil sample collected within the containment area beneath the two railcar storage tanks (Tanks 13 and 15) southeast of the former Building 405. As is described above under the Tank Farm and U.S. Air Force Fuels Laboratory portions of this table, the Mukilteo Tank Farm was divided into three operable units or areas for corrective action purposes pursuant to investigative work performed in the early 1990s after the Washington State Office of the Attorney General and the DLA entered into a Remedial Action Order in 1990 and Ecology issued an Enforcement Order in 1994 for the cleanup of the Mukilteo Tank Farm. Area 1 extended from the west end of the Mukilteo Tank Farm to the center of the Tank 3 containment area and included Tanks 1 and 2 and half of Tank 3, the NOAA Mukilteo Research Station, and the U.S. Air Force Fuels Laboratory and vicinity. Area 1 was found to have soil, groundwater, and floating product contamination, with a floating product plume and an associated dissolved groundwater contaminant plume.

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Structure or Area; Map Number & Snohomish County Parcel Number; & Site Information Sources	Post-1940 Structure Uses Post-1940 Hazardous Materials Use History Contamination and Remediation History Current Site Conditions and Contaminants of Concern
Miscellaneous structures, including electrical transformers and related oil-filled equipment, continued	Contamination and Remediation History, continued: The remediation system installed in Area 1 consisted of an extensive underground network of fuel product recovery, soil vapor extraction, and air sparge subsystems extending from the former truck-loading racks (described below in the NOAA Mukilteo Research Station section of this table) to the Tank Farm Pier and from the Tank 2 containment area to the pump shelter. Air sparge subsystems were connected through a series of aboveground PVC pipelines to blowers located inside remediation treatment system compounds. One such compound was located in a fenced enclosure east of Tank 2 (see Figure 9 in the main text showing the locations of former and current Mukilteo Tank Farm structures). A small building, labeled “IT Corp.,” and located south of the fenced enclosure stored equipment associated with the remediation treatment systems. Soil vapor was routed to thermal catalytic oxidizers through aboveground PVC pipelines. Floating product recovery pumps were installed in 20 wells located across Area 1. The remedial systems started up in May 1997 and were shut down in November 2002, having removed approximately 980,500 pounds of hydrocarbons (or approximately143,300-162,900 gallons of hydrocarbons, using conversion factors of 6.02 pounds per gallon for aviation gasoline fuels and 6.84 pounds per gallon for JP-4). Area 1 was divided lengthwise into two parts, creating Area 1A to the north and Area 1B to the south because the only compliance monitoring wells not meeting the Compliance Plan were in the northern part of Area 1. While Areas 1B, 2, and 3 had received a notice of satisfaction from Ecology, Area 1A continued to be monitored until November 2005 when it met the site cleanup levels. In 2006, Ecology issued a “No Further Action” determination for the entire Mukilteo Tank Farm. As is described above under the Tank Farm portion of this table, project-related archeological trenching and boring conducted in 2006 and 2007 in Area 1 and the western half of Area 3 found gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, in excess of MTCA Method A soil cleanup levels between the former truck loading racks and the pump filters building, south of the fuels laboratory, west of Tank 16 (south of the pump shelter), south and west of the former maintenance shop (Building 4), north, east and west of the former storage building (Building 405); and east of Tank 12 (southeast of the former Building 405). This contamination was found in soils 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table.

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Miscellaneous structures, including electrical transformers and related oil-filled equipment, <u>continued</u>	<u>Current Site Conditions and Contaminants of Concern</u>: The two guard shacks, small administration building, pump filters building, pump shelter canopy structure with associated fuel pump equipment, and foam pump house still exist. These buildings could be coated with lead-based paint, have ACM, have light fixture ballasts containing PCBs, and have mercury switches, such as thermostats. The following tanks may still exist on the property and may need to be removed, along with any associated contamination: • Tank 12, a 12,000-gallon empty concrete diesel tank located immediately southeast of Building 405, the former storage building • Tank 16, a 2,000-gallon empty FSII AST located south of the pump shelter • Foam Tank, a rectilinear firefighting foam chemical AST adjacent to the foam pump house (Building T-408). • Unnamed tank, a 4,280 (4,400?) gallon empty fiberglass heating oil UST located south of the fuels laboratory. The Air Force's PCB analyses from 1990, 1998, and 2003 notwithstanding, the following electrical transformers and any related or additional oil-filled equipment (e.g., circuit breakers and switches) in the project footprint need to be evaluated to ensure they don't have PCBs in concentrations greater than regulatory limits: 1. Three pole-mounted transformers located at the southwest corner of the property; 2. An electrical substation transformer located north of and adjacent to the maintenance shop (Building 4) and a nearby small pad-mounted transformer (see Figure 13 in the main text); 3. Several switches and circuit breakers located east of the pump shelter and northeast of the foam pump house (see Figure 14 in the main text); 4. A transformer with serial number 645404 which in January 1990 contained Arochlor 1260 at 260 ppm; and 5. Transformers with yellow labels, labels McChord Air Force Base used to identify transformers containing PCB concentrations greater than 50 ppm. If surface soil would be excavated from the area of the former containment for the two railcar storage tanks (Tanks 13 and 15) that were located southeast of the former Building 405, it should be evaluated for pesticide constituents.

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Miscellaneous structures, including electrical transformers and related oil-filled equipment, continued	Current Site Conditions and Contaminants of Concern, continued: Underground piping and structures, as well as unabandoned monitoring, recovery, extraction, and air sparging wells from remediation activities may remain in the area of the above listed miscellaneous structures from the former truck-loading racks to the Tank Farm Pier and from the Tank 2 containment area to the pump shelter. Residual petroleum may be encountered during decommissioning of such pipelines, structures, and wells, particularly those associated with the floating product recovery system. Gasoline-range petroleum hydrocarbons, and in some cases BTEX and cPAHs, exist in excess of MTCA Method A soil cleanup levels between the former truck loading racks and the pump filters building, south of the fuels laboratory, west of Tank 16 (south of the pump shelter), south and west of the former maintenance shop (Building 4), north, east and west of the former storage building (Building 405); and east of Tank 12 (southeast of the former Building 405). This contamination exists in soil that is 9 to 12 feet BGS. The contaminated soil may be 6 inches to 1 foot thick and in the vicinity of the water table.

ATTACHMENT D

Environmental Data Resources, Inc. Radius Map™ Report with GeoCheck®

Mukilteo Multimodal Project
Mukilteo Multimodal Project
Mukilteo, WA 98275

Inquiry Number: 3007940.2s
March 07, 2011

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

MUKILTEO MULTIMODAL PROJECT
MUKILTEO, WA 98275

COORDINATES

Latitude (North):	47.949600 - 47˚ 56' 58.6''
Longitude (West):	122.298300 - 122˚ 17' 53.9''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	552396.1
UTM Y (Meters):	5310718.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	47122-H3 MUKILTEO, WA
Most Recent Revision:	1978

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

HSL ..... Hazardous Sites List

State- and tribal - equivalent CERCLIS

CSCSL ..... Confirmed and Suspected Contaminated Sites List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Facility Database

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

AST ..... Aboveground Storage Tank Locations

EXECUTIVE SUMMARY

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

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Control Site List

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
SWTIRE..... Solid Waste Tire Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Clandestine Drug Lab Contaminated Site List
HIST CDL..... List of Sites Contaminated by Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Reported Spills

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File

TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
UIC	Underground Injection Wells Listing
DRYCLEANERS	Drycleaner List
NPDES	Water Quality Permit System Data
AIRS	Washington Emissions Data System
Inactive Drycleaners	Inactive Drycleaners
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH	Coal Ash Disposal Site Listing
COAL ASH DOE	Sleam-Electric Plan Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

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 CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states,

municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 11/30/2010 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
US AF AEROSPACE FUEL LAB	*10 PARK AVE C BLDG 1*	*0 - 1/8 (0.000 mi.)*	*A1*	*7*

Federal RCRA generators list

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
US AF AEROSPACE FUEL LAB	*10 PARK AVE C BLDG 1*	*0 - 1/8 (0.000 mi.)*	*A1*	*7*

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 11/23/2010 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DFSP MUKILTEO	*100 PARK ST*	*0 - 1/8 (0.000 mi.)*	*A3*	*14*

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 11/23/2010 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DFSP MUKILTEO	*100 PARK ST*	*0 - 1/8 (0.000 mi.)*	*A3*	*14*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUKILTEO CITY	801 MUKILTEO LN	SSE 0 - 1/8 (0.014 mi.)	A11	35
MUKILTEO WATER DIST OFFICE TAN	***806 5TH ST***	***SSE 1/8 - 1/4 (0.204 mi.)***	***15***	***40***
HARRY BIEDERMANN	***3703 MUKILTEO BLVD***	***E 1/8 - 1/4 (0.249 mi.)***	***C16***	***41***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MCCONNELLS BOATHOUSE	***718 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***A2***	***11***
US DFSP MUKILTEO	***1 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***4***	***24***

State and tribal voluntary cleanup sites

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 01/25/2011 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUKILTEO CITY	***801 MUKILTEO LN***	***SSE 0 - 1/8 (0.014 mi.)***	***A10***	***30***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MCCONNELLS BOATHOUSE	***718 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***A2***	***11***

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 2 ICR sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MCCONNELLS BOATHOUSE	***718 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***A2***	***11***
MCCONNELL'S BOATHOUSE	719 FRONT ST.	0 - 1/8 (0.000 mi.)	A7	27

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

ALLSITES: Information on facilities and sites of interest to the Department of Ecology.

A review of the ALLSITES list, as provided by EDR, and dated 02/08/2011 has revealed that there are 14 ALLSITES sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DFSP MUKILTEO	***100 PARK ST***	***0 - 1/8 (0.000 mi.)***	***A3***	***14***
MUKILTEO CITY	***801 MUKILTEO LN***	***SSE 0 - 1/8 (0.014 mi.)***	***A10***	***30***
EVERETT PORT RAIL BARGE PIER	***2ND & PARK***	***SSE 0 - 1/8 (0.040 mi.)***	***12***	***36***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUKILTEO COMMUNITY CENTER	304 LINCOLN AVE	SSE 0 - 1/8 (0.084 mi.)	13	37
EVERETT CITY PARKS DEPT EVERET	***3802 SHORE AVE***	***E 1/8 - 1/4 (0.200 mi.)***	***C14***	***38***
MUKILTEO WATER DIST OFFICE TAN	***806 5TH ST***	***SSE 1/8 - 1/4 (0.204 mi.)***	***15***	***40***
HARRY BIEDERMANN	***3703 MUKILTEO BLVD***	***E 1/8 - 1/4 (0.249 mi.)***	***C16***	***41***
LYNNE MOORE PROPERTY	***715 CHURCH AV***	***SSE 1/4 - 1/2 (0.297 mi.)***	***17***	***44***

Lower Elevation	Address	Direction / Distance	Map ID	Page
US AF AEROSPACE FUEL LAB	***10 PARK AVE C BLDG 1***	***0 - 1/8 (0.000 mi.)***	***A1***	***7***
MCCONNELLS BOATHOUSE	***718 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***A2***	***11***
LIGHTHOUSE PARK PHASE 2	609 FRONT ST	0 - 1/8 (0.000 mi.)	B5	25
US DFSP MUKILTEO	***1 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***B6***	***26***
WA DOT MUKILTEO FERRY TERMINAL	SR 525 & FRONT ST	0 - 1/8 (0.000 mi.)	A8	27
MONARCH PAINTING CORP PARK AVE	***PARK AVE & FRONT ST 3***	***0 - 1/8 (0.001 mi.)***	***A9***	***29***

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 01/25/2011 has revealed that there are 4 CSCSL NFA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUKILTEO CITY	***801 MUKILTEO LN***	***SSE 0 - 1/8 (0.014 mi.)***	***A10***	***30***
LYNNE MOORE PROPERTY	***715 CHURCH AV***	***SSE 1/4 - 1/2 (0.297 mi.)***	***17***	***44***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MCCONNELLS BOATHOUSE	***718 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***A2***	***11***
US DFSP MUKILTEO	***1 FRONT ST***	***0 - 1/8 (0.000 mi.)***	***B6***	***26***

Other Ascertainable Records

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

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUKILTEO CITY	***801 MUKILTEO LN***	***SSE 0 - 1/8 (0.014 mi.)***	***A10***	***30***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MONARCH PAINTING CORP PARK AVE	***PARK AVE & FRONT ST 3***	***0 - 1/8 (0.001 mi.)***	***A9***	***29***

EXECUTIVE SUMMARY

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 MANIFEST site within approximately 0.25 miles of the target property.

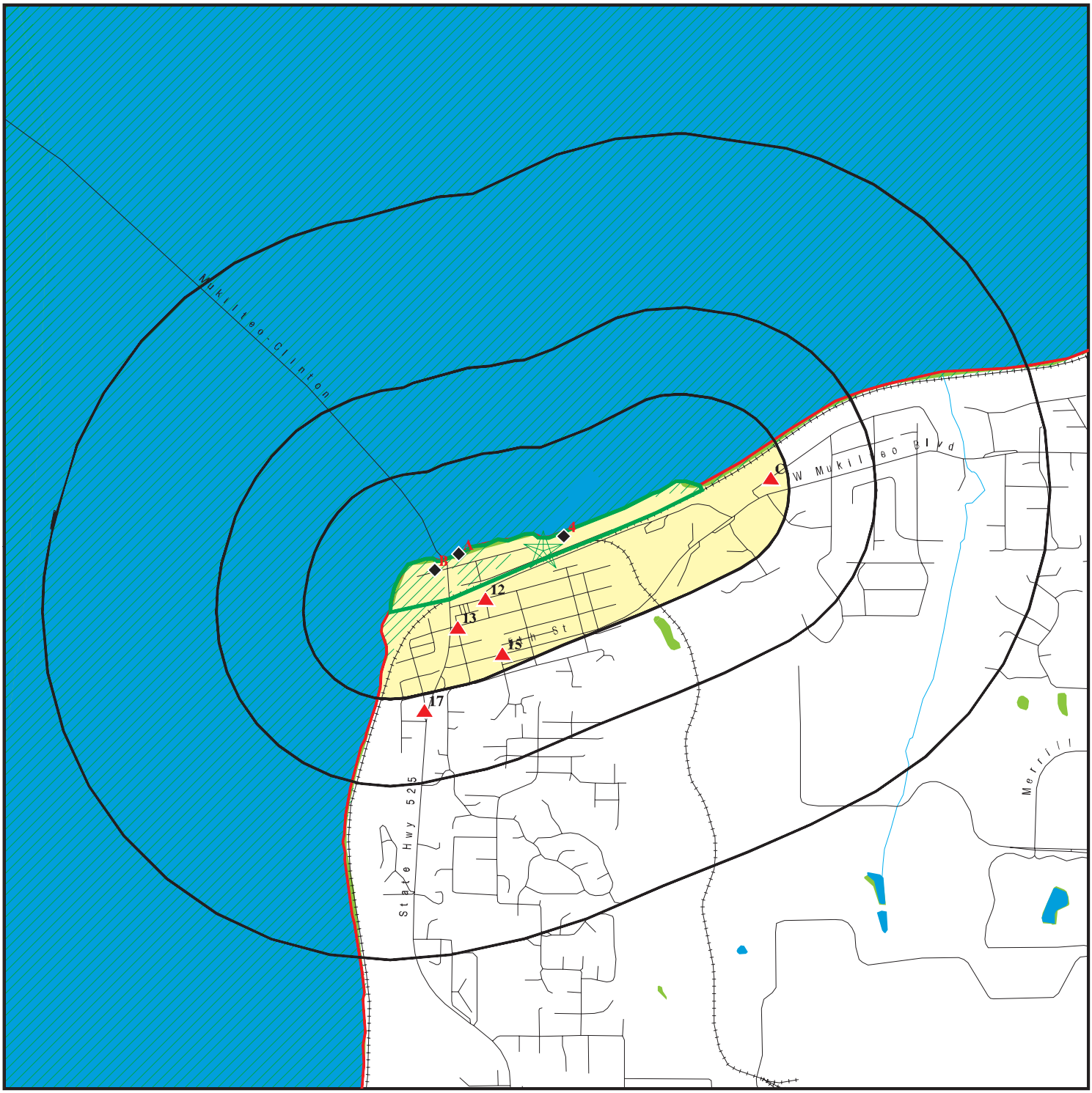
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EVERETT CITY PARKS DEPT EVERET	***3802 SHORE AVE***	***E 1/8 - 1/4 (0.200 mi.)***	***C14***	***38***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
7 ELEVEN STORE 17730	FINDS, ALLSITES
SEABREEZE EVERETT CSWGP	ALLSITES
QUEEN CITY PLATING INC MUKILTEO	FINDS, ALLSITES
MUKILTEO TOWNSQUARE	ALLSITES, NPDES
BIG GULCH PROJECT	ALLSITES, NPDES
ONAMAC INDUSTRIES INC	ALLSITES
US DOC NOAA NWFSC MUKILTEO	FINDS, ALLSITES
MUKILTEO BOYS & GIRLS CLUB	ALLSITES
MUKILTEO WASTE OIL	ALLSITES
MUKILTEO WASTEWATER DISTRICT	SPILLS
CITY OF MUKILTEO	SPILLS
MUKILTEO SPEEDWAY	SPILLS
WA DOT MUKILTEO FERRY TERMINAL	RCRA-NonGen, FINDS, MANIFEST
MUKILTEO WASTE OIL	RCRA-NonGen, FINDS
QUEEN CITY PLATING INC MUKILTEO	RCRA-CESQG, FINDS
1 MILE EAST OF MUKILTEO FERRY DOCK	ERNS
7-ELEVEN STORE 841 MUKILTEO SPEEDW	ERNS
CITY OF EVERETT/SIMPSON PAPER COMP	ICR
EXXON #7 6375	ICR
MUKILTEO BOYS & GIRLS CLUB	NPDES

OVERVIEW MAP - 3007940.2s



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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: Mukilteo Multimodal Project	CLIENT: WA State Department of Trans.
ADDRESS: Mukilteo Multimodal Project Mukilteo WA 98275	CONTACT: Katherine Chesick INQUIRY #: 3007940.2s
LAT/LONG: 47.9496 / 122.2983	DATE: March 07, 2011 6:56 pm

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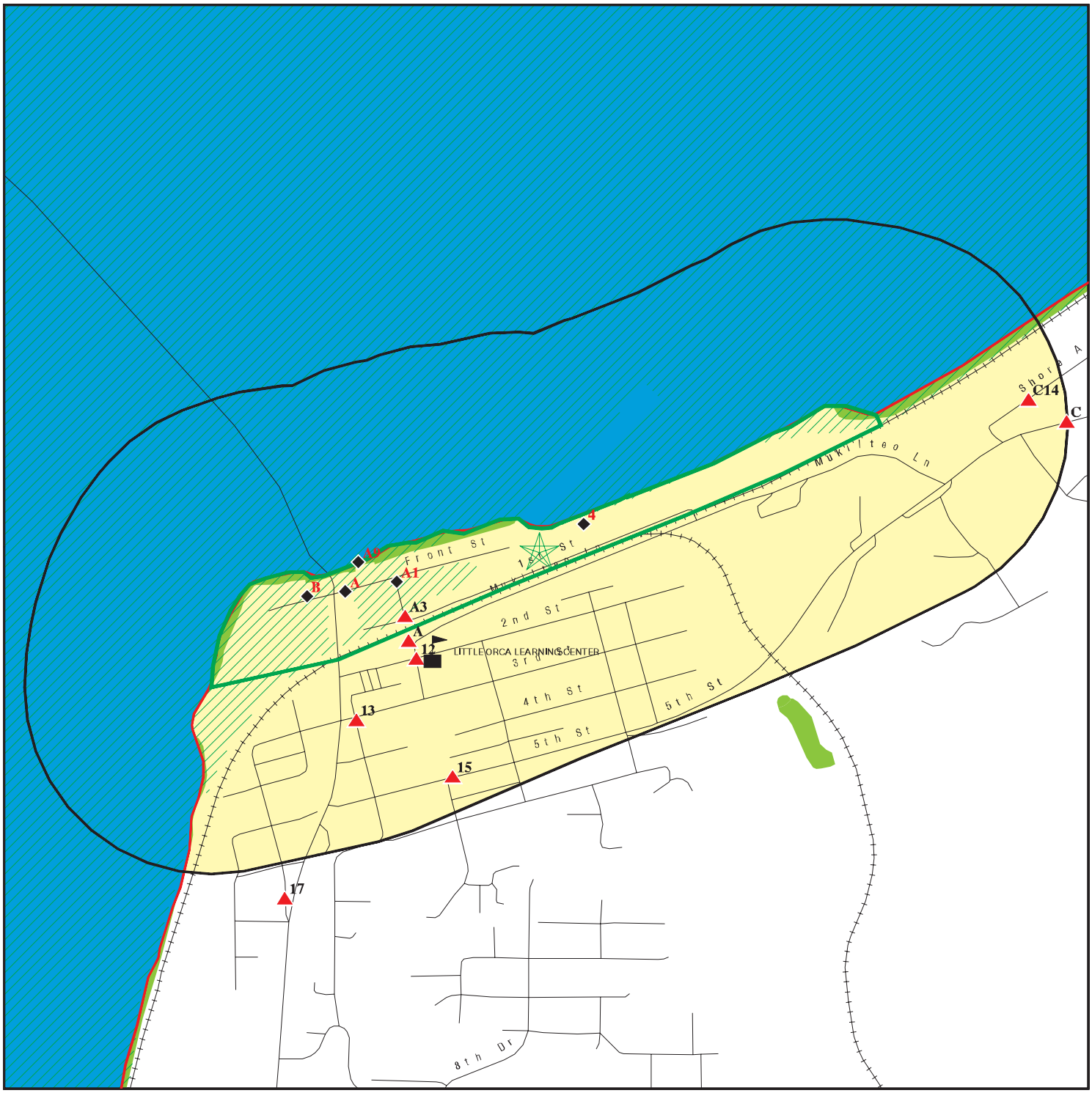
DETAIL MAP - 3007940.2s



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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: Mukilteo Multimodal Project	CLIENT: WA State Department of Trans.
ADDRESS: Mukilteo Multimodal Project Mukilteo WA 98275	CONTACT: Katherine Chesick INQUIRY #: 3007940.2s
LAT/LONG: 47.9496 / 122.2983	DATE: March 07, 2011 6:57 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 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	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	1	0	0	NR	NR	1
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		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	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	1	0	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
HSL		1.000	0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
CSCSL		1.000	0	0	0	0	NR	0
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	1	0	0	NR	NR	1
INDIAN LUST		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
UST		0.250	4	2	NR	NR	NR	6
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA 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								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	2	0	0	NR	NR	2
ICR		0.500	2	0	0	NR	NR	2
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								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
ALLSITES		0.500	10	3	1	NR	NR	14
CSCSL NFA		0.500	3	0	1	NR	NR	4
CDL		TP	NR	NR	NR	NR	NR	0
HIST CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	2	0	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	0	1	NR	NR	NR	1
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
Inactive Drycleaners		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **US AF AEROSPACE FUEL LAB** **CERCLIS** **1000226605**
10 PARK AVE C BLDG 1 **RCRA-CESQG** **WA2971590003**
< 1/8 **MUKILTEO, WA 98275** **FINDS**
1 ft. **ALLSITES**

Site 1 of 8 in cluster A

Relative:
Lower

Actual:
10 ft.

CERCLIS:

Site ID:	1001112
EPA ID:	WA2971590003
Facility County:	SNOHOMISH
Short Name:	USDOD DLA MUKILTEO DEFENS
Congressional District:	02
IFMS ID:	Not reported
SMSA Number:	7600
USGC Hydro Unit:	17110019
Federal Facility:	Federal Facility
DMNSN Number:	Not reported
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	10
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	DLAG
Non NPL Status:	Fed Fac Site Inspection Review Ongoing
Non NPL Status Date:	19920912
Site Fips Code:	53061
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Y

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	DEFENSE FUEL SUPPORT
Alias Address:	Not reported WA
Alias ID:	102
Alias Name:	USAF DLA MUKILTEO DFS
Alias Address:	FRONT ST & LOVELAND AVE MUKILTEO, WA 98275
Alias ID:	10270198
Alias Name:	DLA-MUKILTEO DEFENSE FUEL SUPPORT TEAM
Alias Address:	FRONT ST & LOVELAND AVE MUKILTEO, WA 99506
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	Not reported

US AF AEROSPACE FUEL LAB (Continued) **1000226605**

Date Completed:	06/01/1981
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	08/22/1990
Date Completed:	08/22/1990
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Facilities
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

RCRA-CESQG:

Date form received by agency:	03/31/2004
Facility name:	US AF AEROSPACE FUEL LAB
Facility address:	10 PARK AVE C BLDG 1 MUKILTEO, WA 98275
EPA ID:	WA2971590003
Mailing address:	555 A ST MCCHORD AFB, WA 98438-1325
Contact:	MICHAEL GRENKO
Contact address:	555 A ST MCCHORD AFB, WA 98438-1325
Contact country:	US
Contact telephone:	(253)982-3913
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	USAF MCCHORD 62 CES/CEV
Owner/operator address:	555 A ST MCCHORD AFB, WA 98438

US AF AEROSPACE FUEL LAB (Continued) **1000226605**

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 08/21/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 12/31/2003
Facility name: US AF AEROSPACE FUEL LAB
Classification: Not a generator, verified

Date form received by agency: 03/01/2000
Facility name: US AF AEROSPACE FUEL LAB
Site name: USAF AEROSPACE FUEL LAB
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/13/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110005309503

Environmental Interest/Information System
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

US AF AEROSPACE FUEL LAB (Continued) **1000226605**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110006894575

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ALLSITES:

Facility Id:	34729972
Latitude:	47.949129999999997
Longitude:	-122.30267000000001
Geographic location identifier (alias facid):	34729972
Facility Name:	US AF Aerospace Fuel Lab
Latitude Decimal Degrees:	47.949129999999997
Longitude Decimal Degrees:	-122.30267000000001
Coordinate Point Areal Extent Code:	99
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	99
Location Verified Code:	N

Geographic Location Identifier (Alias Facid):	34729972
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Indentifier:	WA2971590003
Interaction Start Date:	11/3/1980
Interaction End Date:	12/31/2003
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE

A2 **MCCONNELLS BOATHOUSE** **ALLSITES** **U001123051**
718 FRONT ST **CSCSL NFA** **N/A**
< 1/8 **MUKILTEO, WA 98275** **UST**
1 ft. **VCP**
Site 2 of 8 in cluster A **ICR**

Relative:
Lower

Actual:
9 ft.

ALLSITES:

Facility Id:	99231451
Latitude:	47.948856999999997
Longitude:	-122.304878
Geographic location identifier (alias facid):	99231451
Facility Name:	MCCONNELLS BOATHOUSE
Latitude Decimal Degrees:	47.948856999999997
Longitude Decimal Degrees:	-122.304878
Coordinate Point Areal Extent Code:	4
Horizontal Accuracy Code:	6
Coordinate Point Geographic Position Code:	5
Location Verified Code:	N

Geographic Location Identifier (Alias Facid):	99231451
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	A
Federal Program Indentifier:	3148
Interaction Start Date:	3/20/2000
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	99231451
Interaction (Aka Env Int) Type Code:	VOLCLNST
Interaction (Aka Env Int) Description:	Voluntary Cleanup Sites
Interaction Status:	I
Federal Program Indentifier:	3148
Interaction Start Date:	10/13/1998
Interaction End Date:	1/4/1999
prgm_facil:	MCCONNELLS BOATHOUSE
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	99231451
Interaction (Aka Env Int) Type Code:	LUST
Interaction (Aka Env Int) Description:	LUST Facility
Interaction Status:	I
Federal Program Indentifier:	3148
Interaction Start Date:	7/28/1993
Interaction End Date:	1/4/1999
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

CSCSL NFA:

Facility/Site Id:	99231451
NFA Type:	NFA after assessment, IRAP, or VCP
NFA Date:	1/4/1999
Rank:	Not reported
Alternate Name:	Alternate Names: MCCONNELL'S BOATHOUSE,

MCCONNELLS BOATHOUSE (Continued) **U001123051**

VCP: Y

UST:

Facility ID:	99231451
Site ID:	3148
Lat Deg:	47
Lat Min:	56
Lat Sec:	55.8851999999882
Long Deg:	-122
Long Min:	18
Long Sec:	17.5608000000079
UBI:	6016179870010001
Phone Number:	4253551616

Tank ID:	40135
Tank Name:	#2
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Closed in Place
TankSystem Status Change Date:	8/26/1996
Tank Status:	Closed in Place
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	40143
Tank Name:	#1
Install Date:	9/15/1983
Capacity:	1,101 to 2,000 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	2/22/2010
Tank Status:	Removed
Tank Permit Expiration Date:	6/30/1998
Tank Closure Date:	1/1/0001
Tank Pumping System:	Pressurized System
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Not reported

MCCONNELLS BOATHOUSE (Continued) **U001123051**

Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	None
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Suction
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Statistical Inventory Reconciliation
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/1/1998
Tag Number:	Not reported

VCP:

edr_fstat:	WA
edr_fzip:	98275
edr_fcnty:	SNOHOMISH COUNTY
edr_zip:	Not reported
Facility ID:	99231451
VCP Status:	Not reported
VCP:	Y
Ecology Status:	Not reported
NFA Type:	NFA after assessment, IRAP, or VCP
Date NFA:	1/4/1999
Rank:	Not reported

ICR:

Date Ecology Received Report:	10/13/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	98-09
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	10/13/98
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Final cleanup report
Site Register Issue:	98-11
County Code:	31
Contact:	Not reported
Report Title:	Not reported

Date Ecology Received Report:	11/09/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Groundwater, Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report

MCCONNELLS BOATHOUSE (Continued) **U001123051**

Site Register Issue:	98-11
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	07/28/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-05
County Code:	31
Contact:	Not reported
Report Title:	Not reported
Date Ecology Received Report:	07/28/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Tank
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-08
County Code:	31
Contact:	Not reported
Report Title:	Not reported

A3 **DFSP MUKILTEO** **ALLSITES** **U001122940**
100 PARK ST **LUST** **N/A**
< 1/8 **MUKILTEO, WA 98275** **UST**
1 ft.

Site 3 of 8 in cluster A

Relative: Higher

Actual: 18 ft.

ALLSITES:

Facility Id:	6222435
Latitude:	47.948326999999999
Longitude:	-122.303726
Geographic location identifier (alias facid):	6222435
Facility Name:	DFSP MUKILTEO
Latitude Decimal Degrees:	47.948326999999999
Longitude Decimal Degrees:	-122.303726
Coordinate Point Areal Extent Code:	4
Horizontal Accuracy Code:	6
Coordinate Point Geographic Position Code:	5
Location Verified Code:	N
Geographic Location Identifier (Alias Facid):	6222435
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	A
Federal Program Indentifier:	Not reported
Interaction Start Date:	3/20/2000
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS
Geographic Location Identifier (Alias Facid):	6222435

DFSP MUKILTEO (Continued) **U001122940**

Interaction (Aka Env Int) Type Code:	LUST
Interaction (Aka Env Int) Description:	LUST Facility
Interaction Status:	A
Federal Program Indentifier:	2899
Interaction Start Date:	1/9/1991
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	6222435
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	I
Federal Program Indentifier:	Not reported
Interaction Start Date:	6/8/1998
Interaction End Date:	5/3/2000
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

LUST:

edr_fstat:	WA
edr_fzip:	98275
edr_fcnty:	SNOHOMISH
edr_zip:	Not reported
FS ID:	6222435
Facility ID:	2899
Facility Status:	Cleanup Started
Release ID:	1908
Affected Media:	Ground Water
Alternate Name:	MUKILTEO DEFENSE FUEL PT
Release Notification Date:	1/9/1991
Release Status Date:	6/1/1995
Site Response Unit Code:	HEADQUARTERS
Lat/Long:	47.948327 / -122.303726

edr_fstat:	WA
edr_fzip:	98275
edr_fcnty:	SNOHOMISH
edr_zip:	Not reported
FS ID:	6222435
Facility ID:	2899
Facility Status:	Cleanup Started
Release ID:	1908
Affected Media:	Soil
Alternate Name:	MUKILTEO DEFENSE FUEL PT
Release Notification Date:	1/9/1991
Release Status Date:	6/1/1995
Site Response Unit Code:	HEADQUARTERS
Lat/Long:	47.948327 / -122.303726

UST:

Facility ID:	6222435
Site ID:	2899

DFSP MUKILTEO (Continued) **U001122940**

Lat Deg:	47
Lat Min:	56
Lat Sec:	53.9771999999965
Long Deg:	-122
Long Min:	18
Long Sec:	13.413599999991
UBI:	Not reported
Phone Number:	2063552051

Tank ID:	1685
Tank Name:	15
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	1725
Tank Name:	14
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported

DFSP MUKILTEO (Continued) **U001122940**

Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Tank ID: 1762
Tank Name: 10
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Exempt
TankSystem Status Change Date:8/26/1996
Tank Status: Exempt
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Tank ID: 20006
Tank Name: 4
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Exempt
TankSystem Status Change Date:8/26/1996
Tank Status: Exempt
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Sacrificial Anode
Pipe Material: Not reported

DFSP MUKILTEO (Continued) **U001122940**

Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20064
Tank Name:	8
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20093
Tank Name:	2
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode

DFSP MUKILTEO (Continued) **U001122940**

Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20150
Tank Name:	6
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20168
Tank Name:	1
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported

DFSP MUKILTEO (Continued) **U001122940**

Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20192
Tank Name:	9
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20222
Tank Name:	5
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported

DFSP MUKILTEO (Continued) **U001122940**

Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20286
Tank Name:	7
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	20294
Tank Name:	3
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Exempt
TankSystem Status Change Date:	8/26/1996
Tank Status:	Exempt
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel

DFSP MUKILTEO (Continued) **U001122940**

Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	22799
Tank Name:	2
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Closure in Process
TankSystem Status Change Date:	8/26/1996
Tank Status:	Closure in Process
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Fiberglass Reinforced Plastic
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	22920
Tank Name:	4
Install Date:	12/31/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Closure in Process
TankSystem Status Change Date:	8/26/1996
Tank Status:	Closure in Process
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported

DFSP MUKILTEO (Continued) **U001122940**

Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	22996
Tank Name:	3
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Closure in Process
TankSystem Status Change Date:	8/26/1996
Tank Status:	Closure in Process
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	23128
Tank Name:	1
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Closure in Process
TankSystem Status Change Date:	8/26/1996
Tank Status:	Closure in Process
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported

DFSP MUKILTEO (Continued) **U001122940**

Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Steel
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

---

4 **US DFSP MUKILTEO** **FINDS** **1007080316**
1 FRONT ST **UST** **N/A**
< 1/8 **MUKILTEO, WA 98275**
1 ft.

Relative:
Lower

Actual:
7 ft.

FINDS:

Registry ID: 110015570345

Environmental Interest/Information System
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

UST:

Facility ID:	2721
Site ID:	512795
Lat Deg:	47
Lat Min:	56
Lat Sec:	56.3387999999941
Long Deg:	-122
Long Min:	18
Long Sec:	17.1936000000142
UBI:	Not reported
Phone Number:	Not reported

Tank ID:	512800
Tank Name:	1
Install Date:	1/1/1900
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Unknown
TankSystem Status Change Date:	10/5/1999
Tank Status:	Unknown
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported

US DFSP MUKILTEO (Continued) **1007080316**

Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	12/10/1999
Tag Number:	Not reported

B5 **LIGHTHOUSE PARK PHASE 2** **ALLSITES** **S110124011**
609 FRONT ST **N/A**
< 1/8 **MUKILTEO, WA 98275**
1 ft.

Site 1 of 2 in cluster B

Relative:
Lower

Actual:
9 ft.

ALLSITES:

Facility Id:	13232
Latitude:	47.948610000000002
Longitude:	-122.30472
Geographic location identifier (alias facid):	13232
Facility Name:	LIGHTHOUSE PARK PHASE 2
Latitude Decimal Degrees:	47.948610000000002
Longitude Decimal Degrees:	-122.30472
Coordinate Point Areal Extent Code:	0
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	0
Location Verified Code:	Not reported
Geographic Location Identifier (Alias Facid):	13232
Interaction (Aka Env Int) Type Code:	CONSTGP
Interaction (Aka Env Int) Description:	Construction SW GP
Interaction Status:	I
Federal Program Indentifier:	WAR011930
Interaction Start Date:	11/2/2009
Interaction End Date:	9/28/2010
prgm_facil:	LIGHTHOUSE PARK PHASE 2
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS

B6 **US DFSP MUKILTEO** **ALLSITES** **S102258383**
1 FRONT ST **CSCSL NFA** **N/A**
< 1/8 **MUKILTEO, WA 98275**
1 ft.

Site 2 of 2 in cluster B

Relative:
Lower

Actual:
8 ft.

ALLSITES:

Facility Id:	2721
Latitude:	47.948982999999998
Longitude:	-122.304776
Geographic location identifier (alias facid):	2721
Facility Name:	US DFSP MUKILTEO
Latitude Decimal Degrees:	47.948982999999998
Longitude Decimal Degrees:	-122.304776
Coordinate Point Areal Extent Code:	4
Horizontal Accuracy Code:	13
Coordinate Point Geographic Position Code:	5
Location Verified Code:	N

Geographic Location Identifier (Alias Facid):	2721
Interaction (Aka Env Int) Type Code:	SEDIMENT
Interaction (Aka Env Int) Description:	Sediments
Interaction Status:	A
Federal Program Indentifier:	Not reported
Interaction Start Date:	1/1/1900
Interaction End Date:	Not reported
prgm_facil:	US DFSP MUKILTEO
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	2721
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	A
Federal Program Indentifier:	512795
Interaction Start Date:	10/5/1999
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	2721
Interaction (Aka Env Int) Type Code:	SCS
Interaction (Aka Env Int) Description:	State Cleanup Site
Interaction Status:	I
Federal Program Indentifier:	Not reported
Interaction Start Date:	3/1/1988
Interaction End Date:	12/31/2006
prgm_facil:	US DFSP MUKILTEO
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

CSCSL NFA:

Facility/Site Id:	2721
NFA Type:	Removed from Hazardous Sites List (HSL)
NFA Date:	12/31/2006
Rank:	1
Alternate Name:	Alternate Names: DEFENSE FUEL SUPPORT POINT MUKILTEO, DFSP MUKILTEO

US DFSP MUKILTEO (Continued) **S102258383**

TANK FARM, , USAF DEFENSE FUEL SUP DEPOT
VCP: Not reported

A7 **MCCONNELL'S BOATHOUSE** **ICR** **S103508199**
719 FRONT ST. **N/A**
< 1/8 **MUKILTEO, WA 98275**
1 ft.

Site 4 of 8 in cluster A

Relative:
Lower

Actual:
9 ft.

ICR:

Date Ecology Received Report:	09/07/93
Contaminants Found at Site:	Petroleum products
Media Contaminated:	Soil
Waste Management:	Not reported
Region:	North Western
Type of Report Ecology Received:	Interim cleanup report
Site Register Issue:	93-09
County Code:	31
Contact:	Not reported
Report Title:	Not reported

A8 **WA DOT MUKILTEO FERRY TERMINAL** **ALLSITES** **S109557113**
SR 525 & FRONT ST **N/A**
< 1/8 **MUKILTEO, WA 98275**
1 ft.

Site 5 of 8 in cluster A

Relative:
Lower

Actual:
9 ft.

ALLSITES:

Facility Id:	72647691
Latitude:	47.910290000000003
Longitude:	-122.29508
Geographic location identifier (alias facid):	72647691
Facility Name:	WA DOT Mukilteo Ferry Terminal
Latitude Decimal Degrees:	47.910290000000003
Longitude Decimal Degrees:	-122.29508
Coordinate Point Areal Extent Code:	99
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	99
Location Verified Code:	N
Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Indentifier:	WAD982821126
Interaction Start Date:	8/14/1989
Interaction End Date:	12/31/2003
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE
Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	INDUSTPO
Interaction (Aka Env Int) Description:	Industrial (IU) to POTW SWDP I
Interaction Status:	I
Federal Program Indentifier:	ST0007452

WA DOT MUKILTEO FERRY TERMINAL (Continued) **S109557113**

Interaction Start Date:	10/15/2009
Interaction End Date:	5/12/2010
prgm_facil:	WA DOT Mukilteo Ferry Terminal
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS

Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	WQMNIND
Interaction (Aka Env Int) Description:	Minor Industrial
Interaction Status:	I
Federal Program Indentifier:	Not reported
Interaction Start Date:	3/6/2009
Interaction End Date:	5/11/2010
prgm_facil:	WA DOT Mukilteo Ferry Terminal
cur_sys_pr:	WATQUAL
cur_sys_nm:	WPLCS

Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	HWOTHER
Interaction (Aka Env Int) Description:	Haz Waste Management Activity
Interaction Status:	I
Federal Program Indentifier:	WAD982821126
Interaction Start Date:	12/31/2003
Interaction End Date:	12/31/2007
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE

Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	INDUSTGP
Interaction (Aka Env Int) Description:	Industrial SW GP
Interaction Status:	I
Federal Program Indentifier:	SO3001070
Interaction Start Date:	3/12/1993
Interaction End Date:	6/5/2003
prgm_facil:	MUKILTEO TERMINAL WA DOT
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS

Geographic Location Identifier (Alias Facid):	72647691
Interaction (Aka Env Int) Type Code:	ORA
Interaction (Aka Env Int) Description:	ORA Project
Interaction Status:	A
Federal Program Indentifier:	23
Interaction Start Date:	10/3/2004
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	EXEC
cur_sys_nm:	OPTS

A9 **MONARCH PAINTING CORP PARK AVE** **RCRA-NonGen** **1000154685**
PARK AVE & FRONT ST 3 **FINDS** **WAD981762917**
< 1/8 **MUKILTEO, WA 98275** **ALLSITES**
0.001 mi.
4 ft. **Site 6 of 8 in cluster A**

Relative:
Lower

Actual:
5 ft.

RCRA-NonGen:

Date form received by agency:	12/22/1986
Facility name:	MONARCH PAINTING CORP PARK AVE
Facility address:	PARK AVE & FRONT ST 3 MUKILTEO, WA 98275
EPA ID:	WAD981762917
Mailing address:	4016 JONES AVE NE RENTON, WA 98056-1629
Contact:	BRETT BODILY
Contact address:	4016 JONES AVE NE RENTON, WA 98056-1629
Contact country:	US
Contact telephone:	(425)226-7194
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MONARCH PAINTING CORP
Owner/operator address:	4016 JONES AVE NE RENTON, WA 98056
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/22/1986
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

FINDS:

Registry ID: 110008218570

MONARCH PAINTING CORP PARK AVE (Continued) **1000154685**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ALLSITES:

Facility Id:	86158371
Latitude:	47.949179999999998
Longitude:	-122.30406000000001
Geographic location identifier (alias facid):	86158371
Facility Name:	Monarch Painting Corp Park Ave
Latitude Decimal Degrees:	47.949179999999998
Longitude Decimal Degrees:	-122.30406000000001
Coordinate Point Areal Extent Code:	99
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	99
Location Verified Code:	N

Geographic Location Identifier (Alias Facid):	86158371
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Indentifier:	WAD981762917
Interaction Start Date:	12/22/1986
Interaction End Date:	12/31/1991
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE

A10 **MUKILTEO CITY** **RCRA-NonGen** **1000473964**
SSE **801 MUKILTEO LN** **FINDS** **WAD988480414**
< 1/8 **MUKILTEO, WA 98275** **ALLSITES**
0.014 mi. **CSCSL NFA**
73 ft. **Site 7 of 8 in cluster A** **VCP**

Relative:
Higher

Actual:
25 ft.

RCRA-NonGen:

Date form received by agency:	12/31/2003
Facility name:	MUKILTEO CITY
Facility address:	801 MUKILTEO LN MUKILTEO, WA 98275
EPA ID:	WAD988480414
Mailing address:	4480 CHENNAULT BEACH RD MUKILTEO, WA 98275
Contact:	BOB ACCETTURO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(425) 355-4141
Contact email:	Not reported
EPA Region:	10
Land type:	Municipal
Classification:	Non-Generator

MUKILTEO CITY (Continued) **1000473964**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MUKILTEO CITY
Owner/operator address:	4480 CHENNAULT BEACH RD MUKILTEO, WA 98275
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	09/17/1996
Owner/Op end date:	Not reported

Owner/operator name:	MUKILTEO CITY
Owner/operator address:	4480 CHENNAULT BEACH RD MUKILTEO, WA 98275
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	09/17/1996
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	No
Generated waste on-site:	No

Waste type:	Lamps
Accumulated waste on-site:	No
Generated waste on-site:	No

Waste type:	Pesticides
Accumulated waste on-site:	No
Generated waste on-site:	No

Waste type:	Thermostats
Accumulated waste on-site:	No

MUKILTEO CITY (Continued) **1000473964**

Generated waste on-site: No

Historical Generators:
Date form received by agency: 02/25/2003
Facility name: MUKILTEO CITY
Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 070
Area of violation: Generators - General
Date violation determined: 12/15/1994
Date achieved compliance: 06/12/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/10/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 060(2)
Area of violation: Generators - General
Date violation determined: 12/15/1994
Date achieved compliance: 06/12/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/10/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 200(1)(d)
Area of violation: Generators - General
Date violation determined: 12/15/1994
Date achieved compliance: 06/12/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/10/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/15/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/12/1995
Evaluation lead agency: State

MUKILTEO CITY (Continued) **1000473964**

Evaluation date: 02/05/1993
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110005356667

Environmental Interest/Information System
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RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ALLSITES:
Facility Id: 26644222
Latitude: 47.947899999999997
Longitude: -122.30135
Geographic location identifier (alias facid): 26644222
Facility Name: Mukilteo City
Latitude Decimal Degrees: 47.947899999999997
Longitude Decimal Degrees: -122.30135
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 99
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 26644222
Interaction (Aka Env Int) Type Code: HWTSDF
Interaction (Aka Env Int) Description: Haz Treatment Storage Facility
Interaction Status: I
Federal Program Indentifier: WAD988480414
Interaction Start Date: 12/31/2002
Interaction End Date: 12/31/2003
prgm_facil: Not reported
cur_sys_pr: HAZWASTE
cur_sys_nm: TURBOWASTE

Geographic Location Identifier (Alias Facid): 26644222
Interaction (Aka Env Int) Type Code: LUST
Interaction (Aka Env Int) Description: LUST Facility
Interaction Status: I
Federal Program Indentifier: 436837
Interaction Start Date: 1/29/1998
Interaction End Date: 10/12/2006

MUKILTEO CITY (Continued) **1000473964**

prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	26644222
Interaction (Aka Env Int) Type Code:	VOLCLNST
Interaction (Aka Env Int) Description:	Voluntary Cleanup Sites
Interaction Status:	I
Federal Program Indentifier:	NW1520
Interaction Start Date:	11/22/2005
Interaction End Date:	10/12/2006
prgm_facil:	Mukilteo City
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

Geographic Location Identifier (Alias Facid):	26644222
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Indentifier:	WAD988480414
Interaction Start Date:	11/19/1990
Interaction End Date:	12/31/2003
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE

Geographic Location Identifier (Alias Facid):	26644222
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	I
Federal Program Indentifier:	436837
Interaction Start Date:	2/12/1998
Interaction End Date:	2/2/1999
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

CSCSL NFA:

Facility/Site Id:	26644222
NFA Type:	NFA after assessment, IRAP, or VCP
NFA Date:	10/12/2006
Rank:	Not reported
Alternate Name:	Alternate Names: , MUKILTEO PUBLIC WORKS SHOP
VCP:	Y

VCP:

edr_fstat:	WA
edr_fzip:	98275
edr_fcnty:	SNOHOMISH COUNTY
edr_zip:	Not reported
Facility ID:	26644222
VCP Status:	Not reported
VCP:	Y
Ecology Status:	Not reported
NFA Type:	NFA after assessment, IRAP, or VCP

MUKILTEO CITY (Continued) **1000473964**

Date NFA: 10/12/2006
Rank: Not reported

A11
SSE
< 1/8
0.014 mi.
73 ft.

MUKILTEO CITY **UST** **U003294901**
801 MUKILTEO LN **N/A**
MUKILTEO, WA 98275

Site 8 of 8 in cluster A

Relative:
Higher

Actual:
25 ft.

UST:

Facility ID:	26644222
Site ID:	436837
Lat Deg:	47
Lat Min:	56
Lat Sec:	52.4399999999895
Long Deg:	-122
Long Min:	18
Long Sec:	4.85999999999763
UBI:	Not reported
Phone Number:	Not reported

Tank ID:	436839
Tank Name:	T1
Install Date:	1/1/1964
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	10/20/2006
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	1/28/1999
Tag Number:	Not reported

Tank ID:	436844
Tank Name:	T2
Install Date:	1/1/1900
Capacity:	111 TO 1,100 Gallons
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	10/20/2006
Tank Status:	Removed

MUKILTEO CITY (Continued) **U003294901**

Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Not reported
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	2/2/1999
Tag Number:	Not reported

12
SSE
< 1/8
0.040 mi.
210 ft.

Relative:
Higher

Actual:
36 ft.

EVERETT PORT RAIL BARGE PIER **FINDS** **1007996968**
2ND & PARK **ALLSITES** **N/A**
MUKILTEO, WA 98275

FINDS:

Registry ID: 110020766401

Environmental Interest/Information System
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ALLSITES:

Facility Id:	4475828
Latitude:	47.9517623751345
Longitude:	-122.289303557171
Geographic location identifier (alias facid):	4475828
Facility Name:	Everett Port Rail Barge Pier
Latitude Decimal Degrees:	47.951762375100003
Longitude Decimal Degrees:	-122.289303557
Coordinate Point Areal Extent Code:	2
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	99
Location Verified Code:	N
Geographic Location Identifier (Alias Facid):	4475828
Interaction (Aka Env Int) Type Code:	NONENFNL
Interaction (Aka Env Int) Description:	Non Enforcement Final
Interaction Status:	A
Federal Program Indentifier:	Not reported

EVERETT PORT RAIL BARGE PIER (Continued) **1007996968**

Interaction Start Date:	1/11/2005
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	SEA
cur_sys_nm:	DMS

Geographic Location Identifier (Alias Facid):	4475828
Interaction (Aka Env Int) Type Code:	ORA
Interaction (Aka Env Int) Description:	ORA Project
Interaction Status:	A
Federal Program Indentifier:	15
Interaction Start Date:	1/24/2005
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	EXEC
cur_sys_nm:	OPTS

Geographic Location Identifier (Alias Facid):	4475828
Interaction (Aka Env Int) Type Code:	401PROJ
Interaction (Aka Env Int) Description:	401CZM Project Site
Interaction Status:	A
Federal Program Indentifier:	200301269
Interaction Start Date:	9/17/2003
Interaction End Date:	Not reported
prgm_facil:	Not reported
cur_sys_pr:	SEA
cur_sys_nm:	AQUATICS

13
SSE
< 1/8
0.084 mi.
445 ft.

MUKILTEO COMMUNITY CENTER **ALLSITES** **S110039634**
304 LINCOLN AVE **N/A**
MUKILTEO, WA 98275

Relative:
Higher

Actual:
77 ft.

ALLSITES:

Facility Id:	10346
Latitude:	47.950000000000003
Longitude:	-122.303
Geographic location identifier (alias facid):	10346
Facility Name:	MUKILTEO COMMUNITY CENTER
Latitude Decimal Degrees:	47.950000000000003
Longitude Decimal Degrees:	-122.303
Coordinate Point Areal Extent Code:	0
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	0
Location Verified Code:	Not reported

Geographic Location Identifier (Alias Facid):	10346
Interaction (Aka Env Int) Type Code:	CONSTGP
Interaction (Aka Env Int) Description:	Construction SW GP
Interaction Status:	A
Federal Program Indentifier:	WAR011888
Interaction Start Date:	8/25/2009
Interaction End Date:	Not reported
prgm_facil:	MUKILTEO COMMUNITY CENTER
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS

C14 East 1/8-1/4 0.200 mi. 1057 ft. | **EVERETT CITY PARKS DEPT EVERETT**
3802 SHORE AVE
EVERETT, WA 98203

Site 1 of 2 in cluster C

ALLSITES MANIFEST | **S110036987 N/A**

Relative: Higher

Actual: 119 ft.

ALLSITES:

Facility Id:	14714
Latitude:	47.952263000000002
Longitude:	-122.284035
Geographic location identifier (alias facid):	14714
Facility Name:	EVERETT CITY PARKS DEPT EVERETT
Latitude Decimal Degrees:	47.952263000000002
Longitude Decimal Degrees:	-122.284035
Coordinate Point Areal Extent Code:	0
Horizontal Accuracy Code:	99
Coordinate Point Geographic Position Code:	8
Location Verified Code:	Not reported
Geographic Location Identifier (Alias Facid):	14714
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Indentifier:	WAH000035579
Interaction Start Date:	10/7/2009
Interaction End Date:	12/31/2009
prgm_facil:	EVERETT CITY PARKS DEPT EVERETT
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE

WA MANIFEST:

Facility Site ID Number:	14714
SWC Desc:	Not reported
FWC Desc:	Not reported
Form Comm:	Not reported
Data Year:	2009
Permit by Rule:	False
Treatment by Generator:	False
Mixed radioactive waste:	False
Importer of hazardous waste:	False
Immediate recycler:	False
Treatment/Storage/Disposal/Recycling Facility:	False
Generator of dangerous fuel waste:	False
Generator marketing to burner:	False
"Other marketers (i.e., blender, distributor, etc.)":	False
Utility boiler burner:	False
Industry boiler burner:	False
Industrial Furnace:	False
Smelter defferal:	False
Universal waste - batteries - generate:	False
Universal waste - thermostats - generate:	False
Universal waste - mercury - generate:	False
Universal waste - lamps - generate:	False
Universal waste - batteries - accumulate:	False
Universal waste - thermostats - accumulate:	False
Universal waste - mercury - accumulate:	False
Universal waste - lamps - accumulate:	False
Destination Facility for Universal Waste:	False

EVERETT CITY PARKS DEPT EVERETT (Continued) **S110036987**

Off-specification used oil burner - utility boiler:	False
Off-specification used oil burner - industrial boiler:	False
Off-specification used oil burner - industrial furnace:	False
EPA ID:	WAH000035579
Facility Address 2:	Not reported
TAX REG NBR:	313000656
NAICS CD:	237990
BUSINESS TYPE:	Park & Recreation
MAIL NAME:	City of Everett Parks Department
MAIL ADDR LINE1:	802 E Mukilteo Blvd
MAIL CITY,ST,ZIP:	Everett, WA 98203-1227
MAIL COUNTRY:	UNITED STATES
LEGAL ORG NAME:	City of Everett
LEGAL ORG TYPE:	Municipal
LEGAL ADDR LINE1:	3200 Cedar St
LEGAL CITY,ST,ZIP:	Everett, WA 98201
LEGAL COUNTRY:	UNITED STATES
LEGAL PHONE NBR:	(425)257-8700
LEGAL EFFECTIVE DATE:	2/1/2008
LAND ORG NAME:	City of Everett
LAND ORG TYPE:	Municipal
LAND PERSON NAME:	Not reported
LAND ADDR LINE1:	3200 Cedar St
LAND CITY,ST,ZIP:	Everett, WA 98201
LAND COUNTRY:	UNITED STATES
LAND PHONE NBR:	(425)257-8700
OPERATOR ORG NAME:	City of Everett
OPERATOR ORG TYPE:	Municipal
OPERATOR ADDR LINE1:	802 E Mukilteo Blvd
OPERATOR CITY,ST,ZIP:	Everett, WA 98203
OPERATOR COUNTRY:	UNITED STATES
OPERATOR PHONE NBR:	(425)257-8376
OPERATOR EFFECTIVE DATE:	Not reported
SITE CONTACT NAME:	Bob Hillmann
SITE CONTACT ADDR LINE1:	802 E Mukilteo Blvd
SITE CONTACT ZIP:	Everett, WA 98203
SITE CONTACT COUNTRY:	UNITED STATES
SITE CONTACT PHONE NBR:	(425)257-8376
SITE CONTACT EMAIL:	rhillmann@ci.everett.wa.us
FORM CONTACT NAME:	Bob Hillmann
FORM CONTACT ADDR LINE1:	802 E Mukilteo Blvd
FORM CONTACT CITY,ST,ZIP:	Everett, WA 98203
FORM CONTACT COUNTRY:	UNITED STATES
FORM CONTACT PHONE NBR:	(425)257-8376
FORM CONTACT EMAIL:	rhillmann@ci.everett.wa.us
GEN STATUS CD:	LQG
MONTHLY GENERATION:	False
BATCH GENERATION:	False
ONE TIME GENERATION:	True
TRANSPORTS OWN WASTE:	False
TRANSPORTS OTHRS WASTE:	False
RECYCLER ONSITE:	False
TRANSFER FACILITY:	False
OTHER EXEMPTION:	Not reported
UW BATTERY GEN:	False
USED OIL TRANSPORTER:	False
USED OIL TRANSFER FACLTY:	False

EVERETT CITY PARKS DEPT EVERETT (Continued) **S110036987**

USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

15
SSE
1/8-1/4
0.204 mi.
1078 ft.

MUKILTEO WATER DIST OFFICE TANK 1 **ALLSITES** **U000588575**
806 5TH ST **UST** **N/A**
MUKILTEO, WA 98275

Relative:
Higher

Actual:
110 ft.

ALLSITES:
Facility Id: 37153638
Latitude: 47.944916999999997
Longitude: -122.302108
Geographic location identifier (alias facid): 37153638
Facility Name: MUKILTEO WATER DIST OFFICE TANK 1
Latitude Decimal Degrees: 47.944916999999997
Longitude Decimal Degrees: -122.302108
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 37153638
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Indentifier: 3590
Interaction Start Date: 12/2/1981
Interaction End Date: 5/3/2000
prgm_facil: Not reported
cur_sys_pr: TOXICS
cur_sys_nm: ISIS

UST:
Facility ID: 37153638
Site ID: 3590
Lat Deg: 47
Lat Min: 56
Lat Sec: 41.701199999988
Long Deg: -122
Long Min: 18
Long Sec: 7.58880000001454
UBI: Not reported
Phone Number: 2063553355

Tank ID: 15118
Tank Name: 1
Install Date: 12/2/1981
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001

MUKILTEO WATER DIST OFFICE TANK 1 (Continued) **U000588575**

Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	None
Tank Overfill Prevention:	None
Tank Material:	Coated Steel
Tank Construction:	Single Wall Tank
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Sacrificial Anode
Pipe Material:	Not reported
Pipe Construction:	Single Wall Pipe
Pipe Primary Release Detection:	Suction
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	None
Tank Primary Release Detection:	Weekly Manual Gauging
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

C16 **HARRY BIEDERMANN** **ALLSITES** **U003028847**
East **3703 MUKILTEO BLVD** **UST** **N/A**
1/8-1/4 **EVERETT, WA 98203**
0.249 mi.
1313 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
134 ft.

ALLSITES:

Facility Id:	16995343
Latitude:	47.951757000000001
Longitude:	-122.284457
Geographic location identifier (alias facid):	16995343
Facility Name:	HARRY BIEDERMANN
Latitude Decimal Degrees:	47.951757000000001
Longitude Decimal Degrees:	-122.284457
Coordinate Point Areal Extent Code:	4
Horizontal Accuracy Code:	6
Coordinate Point Geographic Position Code:	5
Location Verified Code:	N
Geographic Location Identifier (Alias Facid):	16995343
Interaction (Aka Env Int) Type Code:	UST
Interaction (Aka Env Int) Description:	Underground Storage Tank
Interaction Status:	I
Federal Program Indentifier:	9339
Interaction Start Date:	6/8/1998
Interaction End Date:	5/3/2000
prgm_facil:	Not reported
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS

UST:

Facility ID:	16995343
Site ID:	9339
Lat Deg:	47
Lat Min:	57
Lat Sec:	6.32520000000227
Long Deg:	-122

HARRY BIEDERMANN (Continued) **U003028847**

Long Min:	17
Long Sec:	4.04520000001185
UBI:	Not reported
Phone Number:	2063530100

Tank ID:	12828
Tank Name:	1
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported
Tank Second Release Detection:	Not reported
Pipe Tightness Test:	Not reported
Tank Actual Status Date:	8/6/1996
Tag Number:	Not reported

Tank ID:	12883
Tank Name:	3
Install Date:	12/31/1964
Capacity:	Not reported
Tank Upgrade Date:	1/1/0001
TankSystem Status:	Removed
TankSystem Status Change Date:	8/26/1996
Tank Status:	Removed
Tank Permit Expiration Date:	1/1/0001
Tank Closure Date:	1/1/0001
Tank Pumping System:	Not reported
Tank Spill Prevention:	Not reported
Tank Overfill Prevention:	Not reported
Tank Material:	Steel
Tank Construction:	Not reported
Tank Tightness Test:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Material:	Not reported
Pipe Construction:	Not reported
Pipe Primary Release Detection:	Not reported
Pipe Second Release Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Tank Primary Release Detection:	Not reported

HARRY BIEDERMANN (Continued) **U003028847**

Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Tank ID: 13016
Tank Name: 2
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Tank ID: 13067
Tank Name: 4
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported

HARRY BIEDERMANN (Continued) **U003028847**

Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

17
SSE
1/4-1/2
0.297 mi.
1567 ft.

Relative:
Higher

Actual:
135 ft.

LYNNE MOORE PROPERTY
715 CHURCH AV
MUKILTEO, WA 98275

FINDS **1007080246**
ALLSITES **N/A**
CSCSL NFA

FINDS:

Registry ID: 110015569641

Environmental Interest/Information System
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

ALLSITES:
Facility Id: 2832
Latitude: 47.942039999999999
Longitude: -122.30652000000001
Geographic location identifier (alias facid): 2832
Facility Name: LYNNE MOORE PROPERTY
Latitude Decimal Degrees: 47.942039999999999
Longitude Decimal Degrees: -122.30652000000001
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 99
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 2832
Interaction (Aka Env Int) Type Code: IRAP
Interaction (Aka Env Int) Description: Independent Remedial Actn Prg
Interaction Status: I
Federal Program Indentifier: Not reported
Interaction Start Date: 9/3/1994
Interaction End Date: 9/7/1994
prgm_facil: LYNNE MOORE PROPERTY
cur_sys_pr: TOXICS
cur_sys_nm: ISIS

CSCSL NFA:
Facility/Site Id: 2832
NFA Type: NFA after assessment, IRAP, or VCP
NFA Date: 9/7/1994
Rank: Not reported
Alternate Name: Alternate Names: , RESIDENTIAL UST EXEMPT
VCP: Not reported

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EVERETT	S103506514	CITY OF EVERETT/SIMPSON PAPER COMP	S 1ST AVE	98203	ICR
EVERETT	1007069309	7 ELEVEN STORE 17730	MUKILTEO BLVD	98203	FINDS, ALLSITES
EVERETT	S110038321	SEABREEZE EVERETT CSWGP	S OF MUKILTEO BLVD	98203	ALLSITES
MUKILTEO	S109613247	MUKILTEO WASTEWATER DISTRICT	95TH PL		SPILLS
MUKILTEO	S107154415	CITY OF MUKILTEO	10205 19TH AVE W		SPILLS
MUKILTEO	1007081449	QUEEN CITY PLATING INC MUKILTEO	90 BLANCHARD ST	98275	FINDS, ALLSITES
MUKILTEO	1001490217	QUEEN CITY PLATING INC MUKILTEO	90 BLANCHARD ST	98275	RCRA-CESQG, FINDS
MUKILTEO	S110037384	MUKILTEO TOWNSQUARE	8900 BLKHARBOUR PL	98275	ALLSITES, NPDES
MUKILTEO	S110039562	BIG GULCH PROJECT	S FORK OF BIG GULCH		ALLSITES, NPDES
MUKILTEO	1000885284	WA DOT MUKILTEO FERRY TERMINAL	FRONT ST	98275	RCRA-NonGen, FINDS, MANIFEST
MUKILTEO	99629173	1 MILE EAST OF MUKILTEO FERRY DOCK	1 MILE EAST OF MUKILTEO FERRY		ERNS
MUKILTEO	S103507155	EXXON #7 6375	3825 MUKILTEO SPEEDWAY	98275	ICR
MUKILTEO	S109554807	ONAMAC INDUSTRIES INC	11524 MUKILTEO SPEEDWAY	98275	ALLSITES
MUKILTEO	1008919231	US DOC NOAA NWFSC MUKILTEO	10 PARK AVENUE BLDG 8	98275	FINDS, ALLSITES
MUKILTEO	S110037469	MUKILTEO BOYS & GIRLS CLUB	11600 47TH PL W	98275	ALLSITES
MUKILTEO	S109696005	MUKILTEO BOYS & GIRLS CLUB	11600 47TH PL W	98275	NPDES
MUKILTEO	S109871508	MUKILTEO SPEEDWAY	SHENNAUL BEACH RD		SPILLS
MUKILTEO	S109555831	MUKILTEO WASTE OIL	W SIDE 49TH PLACE NEAR HARBOR	98275	ALLSITES
MUKILTEO	1000659377	MUKILTEO WASTE OIL	W SIDE 49TH PL W NEAR HARBOR B	98275	RCRA-NonGen, FINDS
MUKILTEO	99648665	7-ELEVEN STORE 841 MUKILTEO SPEEDW	7-ELEVEN STORE 841 MUKILTEO SP		ERNS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 01/13/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 01/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/30/2010	Source: EPA
Date Data Arrived at EDR: 12/30/2010	Telephone: 703-412-9810
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 03/01/2011
Number of Days to Update: 57	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/11/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/25/2011
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/28/2010	Source: EPA
Date Data Arrived at EDR: 12/01/2010	Telephone: 703-412-9810
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 03/01/2011
Number of Days to Update: 86	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 39

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/07/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 09/15/2010
Date Data Arrived at EDR: 09/24/2010
Date Made Active in Reports: 12/23/2010
Number of Days to Update: 90

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

CSCSL: Confirmed and Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/25/2011
Date Data Arrived at EDR: 01/26/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 23

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 01/26/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/14/2010
Date Data Arrived at EDR: 12/15/2010
Date Made Active in Reports: 12/23/2010
Number of Days to Update: 8

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/23/2010
Date Data Arrived at EDR: 11/24/2010
Date Made Active in Reports: 12/23/2010
Number of Days to Update: 29

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 02/24/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/19/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/16/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2010
Date Data Arrived at EDR: 11/12/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 77

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/04/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/16/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 11/23/2010
Date Data Arrived at EDR: 11/24/2010
Date Made Active in Reports: 12/17/2010
Number of Days to Update: 23

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 02/24/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations
A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 05/27/2009
Date Data Arrived at EDR: 05/28/2009
Date Made Active in Reports: 06/19/2009
Number of Days to Update: 22

Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 02/07/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/16/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/19/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/16/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 70

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2010
Date Data Arrived at EDR: 11/12/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 77

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/10/2010
Date Data Arrived at EDR: 12/01/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 58

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 57

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/17/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List
Sites that have institutional controls.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/18/2011
Date Made Active in Reports: 02/24/2011
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 02/18/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 01/25/2011
Date Data Arrived at EDR: 02/03/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 15

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 01/25/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

ICR: Independent Cleanup Reports
These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: No Update Planned

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 01/25/2011
Date Data Arrived at EDR: 01/26/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 23

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 01/26/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWTIRE: Solid Waste Tire Facilities
This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 12/14/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/08/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/03/2010
Date Data Arrived at EDR: 12/30/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/08/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

ALLSITES: Facility/Site Identification System Listing
Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 02/09/2011
Date Made Active in Reports: 02/24/2011
Number of Days to Update: 15

Source: Department of Ecology
Telephone: 360-407-6423
Last EDR Contact: 02/08/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action
The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 01/25/2011
Date Data Arrived at EDR: 01/26/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 23

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 01/26/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 02/09/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 6

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs

This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23

Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/09/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/22/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/05/2011
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 51

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/05/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

SPILLS: Reported Spills
Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 01/03/2011
Date Data Arrived at EDR: 01/04/2011
Date Made Active in Reports: 02/18/2011
Number of Days to Update: 45

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Semi-Annually

Other Ascertainable Records

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

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/13/2010
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/11/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 10/29/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 91

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 02/03/2011
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/04/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/04/2010
Date Data Arrived at EDR: 09/09/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/13/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 11/23/2010
Date Data Arrived at EDR: 11/24/2010
Date Made Active in Reports: 12/23/2010
Number of Days to Update: 29

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 02/24/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Varies

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 6

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 11/12/2010
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 01/20/2011
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 02/18/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/23/2011
Number of Days to Update: 43

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners
A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 01/24/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/22/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 07/02/2009
Date Made Active in Reports: 07/08/2009
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/18/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle - King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project
This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33

Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District
Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 53

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey
Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/25/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 02/09/2011
Date Made Active in Reports: 03/04/2011
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/09/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 02/18/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/16/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Daycare Center Listing
Source: Department of Social & Health Services
Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MUKILTEO MULTIMODAL PROJECT
MUKILTEO MULTIMODAL PROJECT
MUKILTEO, WA 98275

TARGET PROPERTY COORDINATES

Latitude (North):	47.94960 - 47˚ 56’ 58.6’’
Longitude (West):	122.2983 - 122˚ 17’ 53.9’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	552396.1
UTM Y (Meters):	5310718.0
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	47122-H3 MUKILTEO, WA
Most Recent Revision:	1978

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

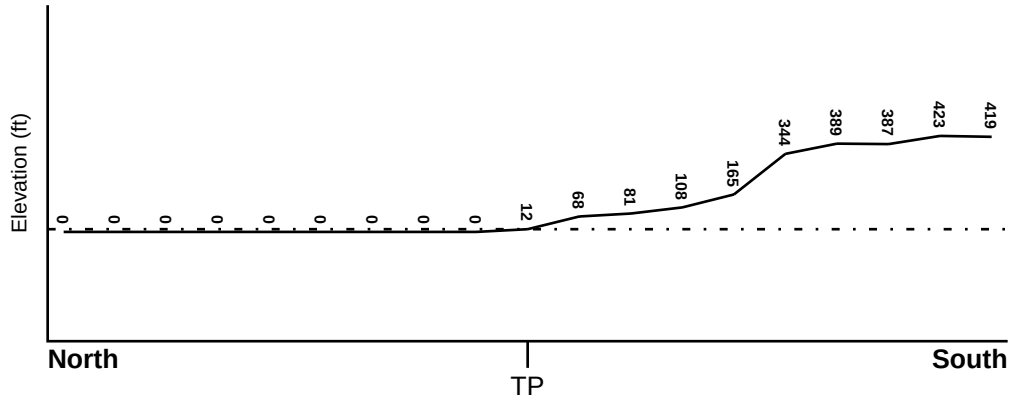
TOPOGRAPHIC INFORMATION

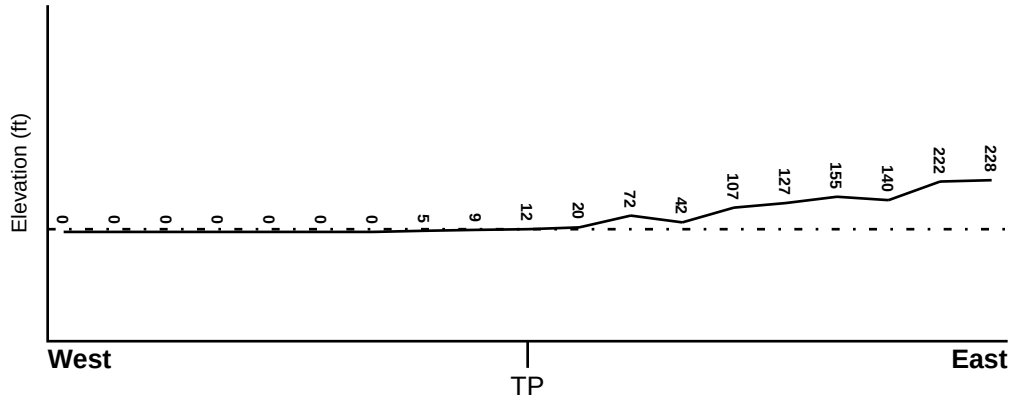
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 12 ft.

0 1/2 1 Miles

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

Target Property County	FEMA Flood Electronic Data
SNOHOMISH, WA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	5302350005B - FEMA Q3 Flood data
Additional Panels in search area:	5301640002B - FEMA Q3 Flood data 5355340320B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MUKILTEO	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		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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

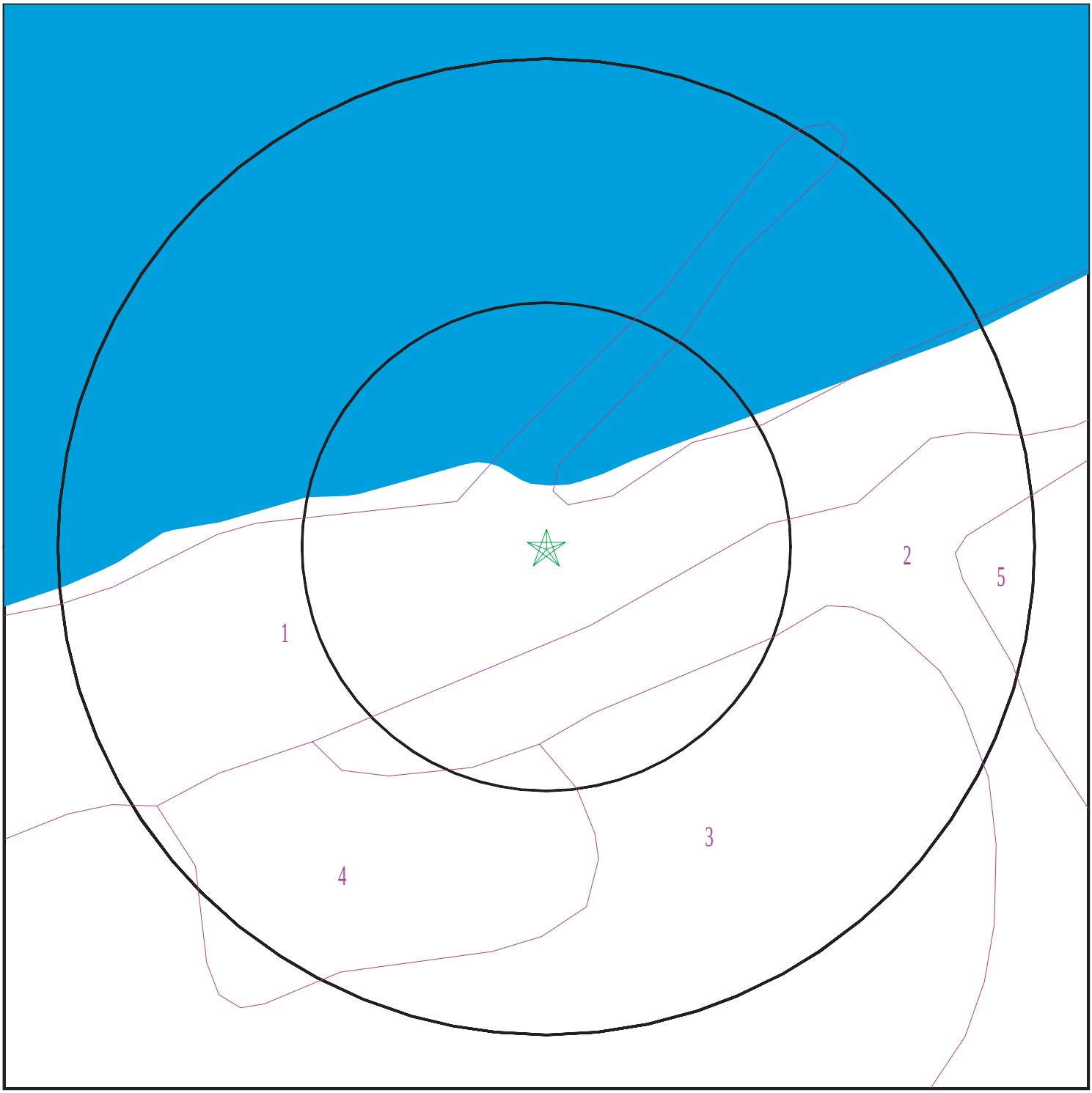
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 3007940.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Mukilteo Multimodal Project	CLIENT:	WA State Department of Trans.
ADDRESS:	Mukilteo Multimodal Project Mukilteo WA 98275	CONTACT:	Katherine Chesick
		INQUIRY #:	3007940.2s
LAT/LONG:	47.9496 / 122.2983	DATE:	March 07, 2011 6:57 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
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:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6.5 Min: 5.1
2	7 inches	35 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6.5 Min: 5.1
3	35 inches	59 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6.5 Min: 5.1

Soil Map ID: 3

Soil Component Name: Everett

Soil Surface Texture: gravelly sandy loam

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	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6
2	5 inches	18 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6
3	18 inches	59 inches	extremely gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6.5 Min: 5.6

Soil Map ID: 4

Soil Component Name: Kitsap

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 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: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
2	5 inches	33 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6
3	33 inches	59 inches	stratified silt to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 5.6

Soil Map ID: 5

Soil Component Name: Norma

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	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
2	9 inches	27 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	27 inches	59 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

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS3281864	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

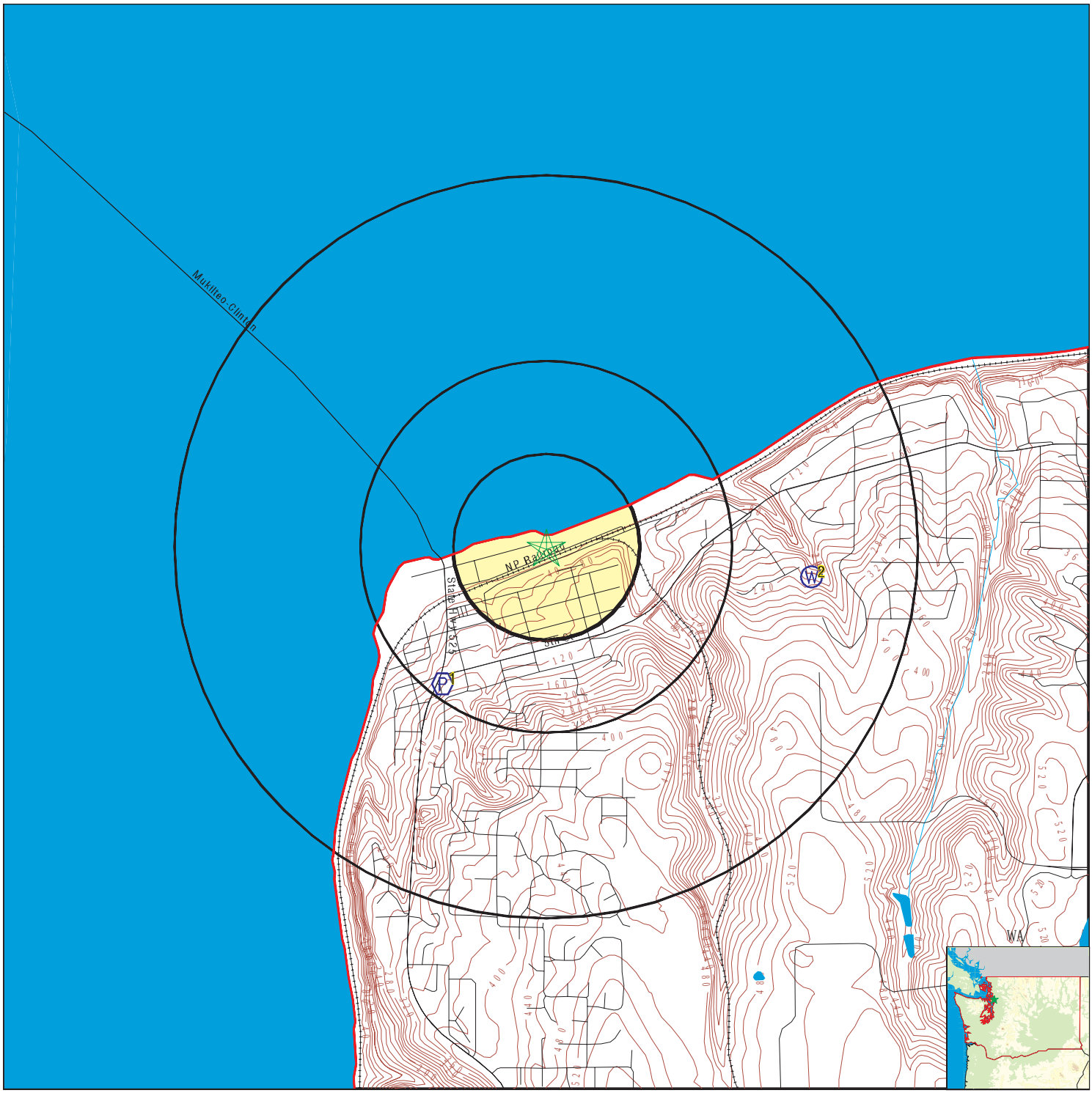
MAP ID	WELL ID	LOCATION FROM TP
1	WA5346287	1/4 - 1/2 Mile SW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3007940.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data

N

SITE NAME: Mukilteo Multimodal Project	CLIENT: WA State Department of Trans.
ADDRESS: Mukilteo Multimodal Project	CONTACT: Katherine Chesick
Mukilteo WA 98275	INQUIRY #: 3007940.2s
LAT/LONG: 47.9496 / 122.2983	DATE: March 07, 2011 6:57 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SW** **1/4 - 1/2 Mile** **Higher**	**FRDS PWS**	**WA5346287**

PWS ID:	WA5346287		
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	LAUREL SPRINGS P.O. BOX 708 MUKILTEO, WA 98275		
Addressee / Facility:	Not Reported		
Facility Latitude:	47 56 40	Facility Longitude:	122 18 11
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000003

Violations information not reported.

---

2 **East** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS3281864**

Agency cd:	USGS	Site no:	475655122165401
Site name:	28N/04E-03C01		
Latitude:	475655	EDR Site id:	USGS3281864
Longitude:	1221654	Dec lat:	47.94842862
Dec lon:	-122.28291422	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	061
Country:	US	Land net:	NE NW S03 T28N R04E W
Location map:	MUKILTEO	Map scale:	24000
Altitude:	210		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19841113
Date inventoried:	19920506	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	259	Hole depth:	263
Source of depth data:	driller		
Project number:	WA37600		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1993-08-19
Water quality data end date:	1993-08-19	Water quality data count:	1
Ground water data begin date:	1992-05-06	Ground water data end date:	1995-01-19
Ground water data count:	10		

Ground-water levels, Number of Measurements: 10

Date	Feet below Surface	Feet to Sealevel
1995-01-19	115.25	
1994-07-13	115.27	
1994-03-24	115.11	
1993-11-26	115.44	
1993-03-26	115.04	
1994-11-22	115.28	
1994-05-19	115.22	
1994-02-18	114.90	
1993-09-23	115.31	
1992-05-06	115.06	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SNOHOMISH 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: 98275

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.050 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

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 Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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: 360-902-1445
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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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ATTACHMENT E

Environmental Data Resources, Inc.-City Directory Abstract

Mukilteo Multimodal Project
700 Front St
Mukilteo, WA 98275

Inquiry Number: 3007940.6
March 10, 2011

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
1990	Polk's City Directory	X	X	X	-
1986	Polk's City Directory	X	X	X	-
1981	Polk's City Directory	X	X	X	-
1976	Polk's City Directory	X	X	X	-
1971	Polk's City Directory	X	X	X	-
1966	Polk's City Directory	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
724 1st St	Client Entered	
707 Front St	Client Entered	X
710 Front St	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

700 Front St
Mukilteo, WA 98275

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
1990	State Ferries (Mukilteo Terminal)	Polk's City Directory
1986	Washington State Ferries (Mukilteo Terminal)	Polk's City Directory
1981	Washington State Ferries (Mukilteo Terminal)	Polk's City Directory
1976	Washington State Ferries (Mukilteo Terminal)	Polk's City Directory
1971	Washington State Ferries (Mukilteo Terminal)	Polk's City Directory
1966	Washington State Ferries (Mukilteo Terminal)	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Front St

610 Front St

Year	Uses	Source
1990	Losvar Condominiums	Polk's City Directory
1986	Losvar Condominiums	Polk's City Directory
1981	Losvar Condominiums	Polk's City Directory
1976	Losvar Condominiums	Polk's City Directory
1971	Residential	Polk's City Directory
1966	Mukilteo Boat House	Polk's City Directory

621 Front St

Year	Uses	Source
1990	Cheer's Too (tavern)	Polk's City Directory
	Wongs Garden (restr)	Polk's City Directory
1986	Cheer's Too (tavern)	Polk's City Directory
	Ice Cream Castle	Polk's City Directory
	Video City	Polk's City Directory
	Wongs Garden (restr)	Polk's City Directory
1981	Lighthouse Deli (ice crm)	Polk's City Directory
1976	Caseys Ice Cream & Sandwich Bar	Polk's City Directory
1971	Island Empire Bus Lines	Polk's City Directory
1966	Island Empire Bus Lines	Polk's City Directory

707 Front St

Year	Uses	Source
1990	Sea Horse Restaurant	Polk's City Directory
1986	Sea Horse Restaurant	Polk's City Directory
1981	Sea Horse Restaurant & Cocktail Lounge	Polk's City Directory
1976	Sea Horse Apts	Polk's City Directory
	Sea Horse Restaurant & Cocktail Lounge	Polk's City Directory
1971	Sea Horse Apts	Polk's City Directory
	Sea Horse Restaurant & Cocktail Lounge	Polk's City Directory
1966	Sea Horse Apts	Polk's City Directory
	Sea Horse Inc (restr)	Polk's City Directory

FINDINGS

707 1/2 Front St

Year	Uses	Source
1976	Residential	Polk's City Directory

710 Front St

Year	Uses	Source
1990	Taylor's Landing (restr)	Polk's City Directory
1986	Taylor's Landing (restr)	Polk's City Directory
1981	Taylor's Landing (restr)	Polk's City Directory
1976	Taylor's Landing (restr)	Polk's City Directory
1971	Taylor's Landing	Polk's City Directory
1966	Ferry Lunch	Polk's City Directory

712 Front St

Year	Uses	Source
1966	Residential	Polk's City Directory

718 Front St

Year	Uses	Source
1990	McConnells Boat House (rentals/stge)	Polk's City Directory
1986	McConnells Boat House (rentals/stge)	Polk's City Directory
1981	McConnells Boat House (rentals/stge)	Polk's City Directory
1976	McConnells Boat House (rentals/stge)	Polk's City Directory
1971	McConnells Boat House (rentals/stge)	Polk's City Directory
1966	McConnells Boat House (rentals/stge)	Polk's City Directory

FINDINGS

STREET NOT IDENTIFIED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not identified in the research source.

Street Researched	Street Not Identified in Research Source
1st St	1990, 1986, 1981, 1976, 1971, 1966

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
610 Front St	No Years Found
621 Front St	No Years Found
707 1/2 Front St	1971, 1966
707 Front St	No Years Found
710 Front St	No Years Found
712 Front St	No Years Found
718 Front St	No Years Found
724 1st St	No Years Found

ATTACHMENT F

Ecology's April 21, 2005, Letter of Partial Satisfaction of Enforcement Order No. DE 93TC-N268

Ecology's May 22, 2006, Letter of Satisfaction of Enforcement Order No. DE 93TC-N268

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

RECEIVED
APR 22 2005

April 21, 2005

Mr. Jack O'Donovan
Defense Energy Support Center, DFSC-FQ
8725 John J. Kingman Road, Suite 2941
Fort Belvoir, VA 22060-6222

COPY

RE: Partial Satisfaction of
Enforcement Order No. DE 93TC-N268
Defense Fuel Support Point Mukilteo
Areas 1B, 2, and 3
Mukilteo, Washington

Dear Mr. O'Donovan:

In accordance with the above referenced Enforcement Order, the Department of Ecology (Ecology) is providing this written notification that the provisions of the Enforcement Order have been satisfied for Areas 1B, 2, and 3 as shown on the attached figures. No further monitoring is required for these specific areas and the monitoring wells may be abandoned. Abandonment of the wells must be conducted in accordance with the requirements of Chapter 173-160 Washington Administrative Code (WAC), *Minimum Standards for Construction and Maintenance of Wells*.

Area 1A has been legally described in Appendix A of the document titled "*Request for No Further Action Areas 1B, 2, and 3, Former Defense Support Point Mukilteo*" by Shaw Environmental, Inc., dated March 2005. This portion of the site has not met the compliance monitoring requirements and continued monitoring is necessary. Ecology understands that two additional quarterly monitoring events below cleanup goals are needed at this time to demonstrate compliance.

Ecology will provide final written notification that the entire site has met the provisions of the Enforcement Order after Area 1A has been shown to be in compliance.

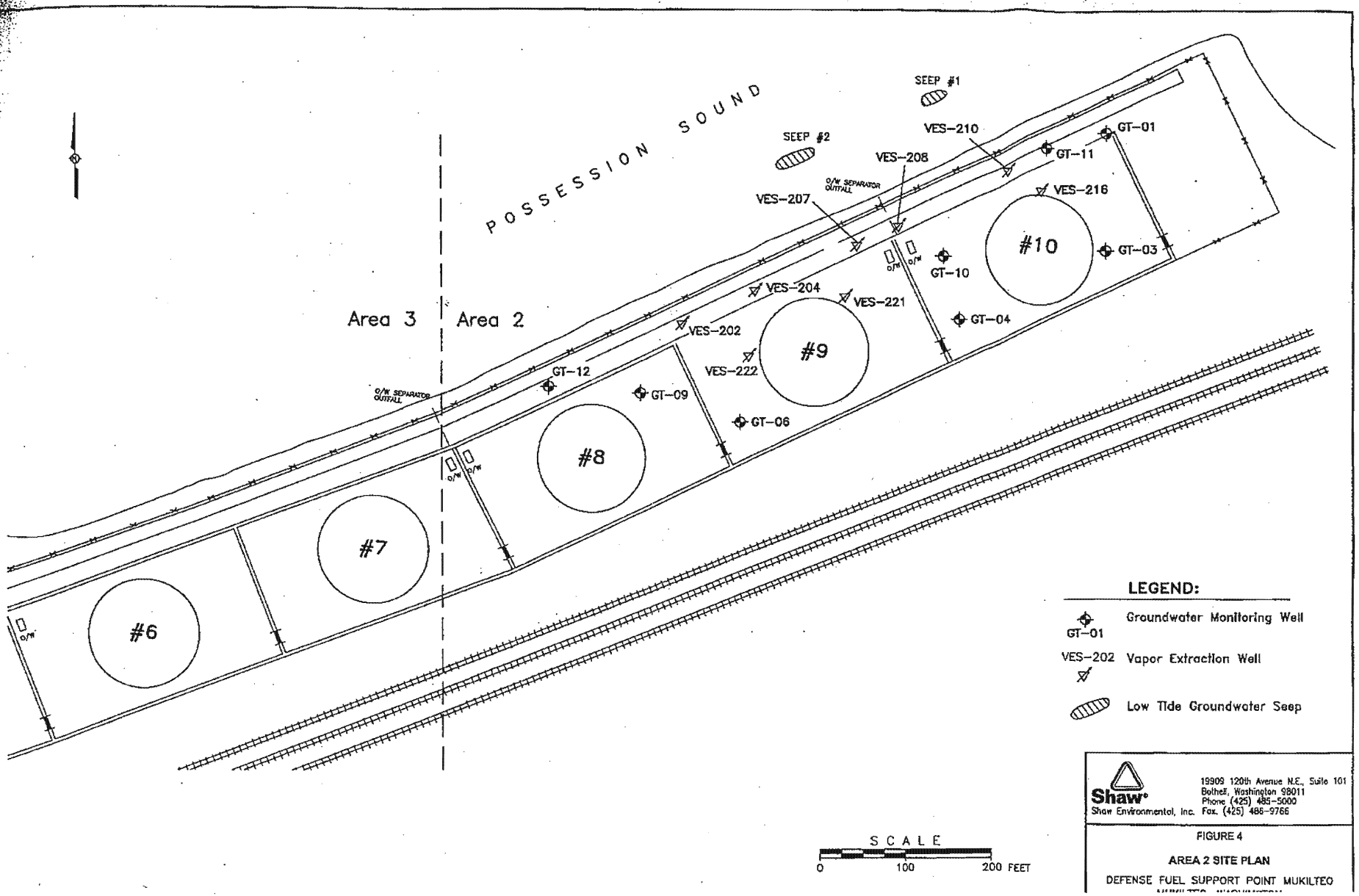
If you have any questions, please contact me at (425) 649-7265 or bsat461@ecy.wa.gov.

Sincerely,

Brian S. Sato, P.E.
Toxics Cleanup Program

BSS:bs
Enclosures: Site Plans

cc: Brian Peters, Shaw Environmental, Inc.



Shaw®
Shaw Environmental, Inc.
19909 120th Avenue N.E., Suite 101
Bothell, Washington 98011
Phone (425) 485-5000
Fax. (425) 486-9766

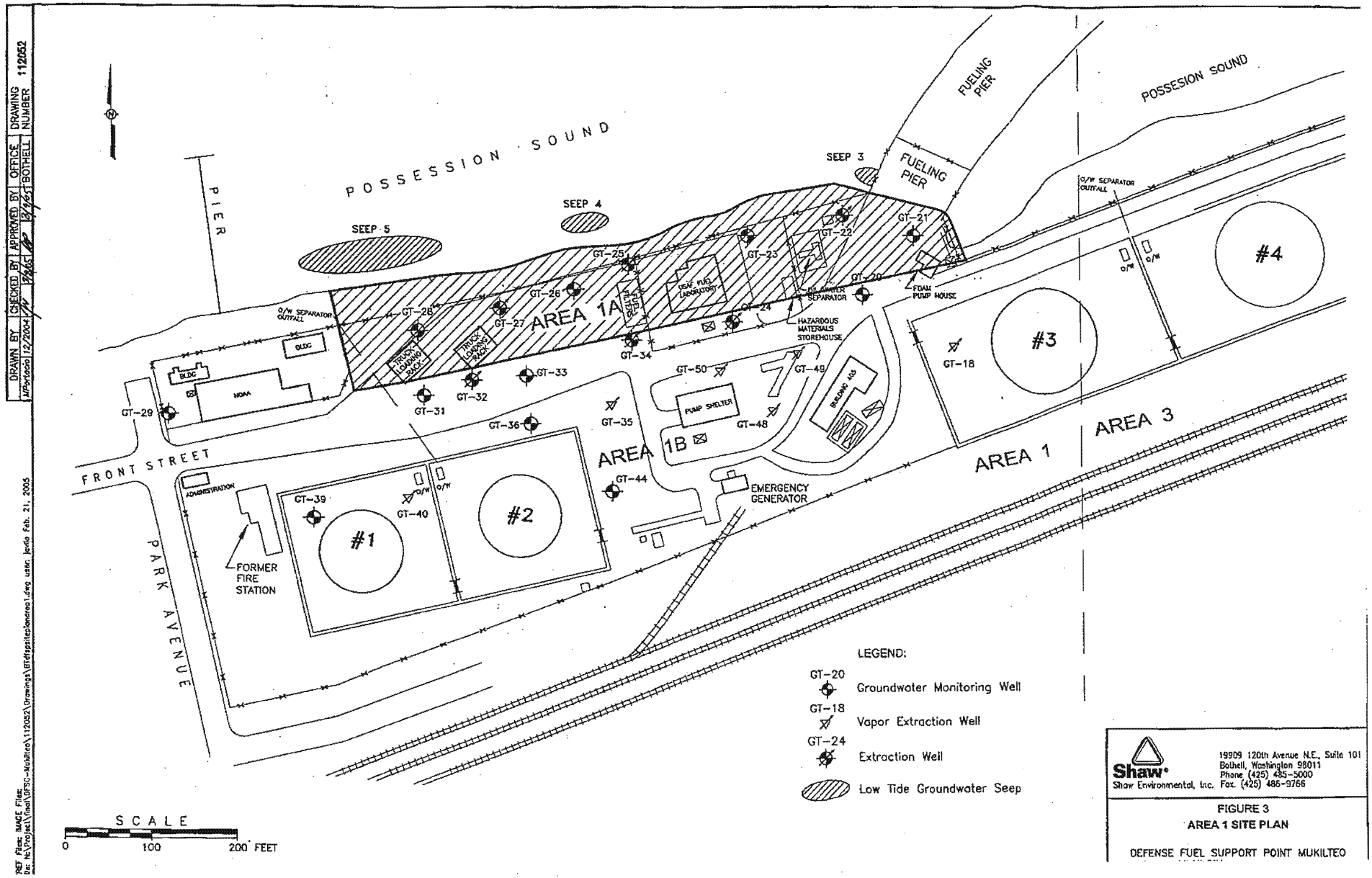
FIGURE 4

AREA 2 SITE PLAN

DEFENSE FUEL SUPPORT POINT MUKILTEO

DRAWN BY: JKPortnoy 6/2004
CHECKED BY:

REF Files: IMAGE Files:
w:\Project\final\DFSC-Mukilteo\1120032\Drawings\Bfdfsp4area2site.dwg\xrefs: mlo Feb. 16, 2005



Shaw
Shaw Environmental, Inc.
19909 120th Avenue N.E., Suite 101
Bothell, Washington 98011
Phone (425) 485-5000
Fax. (425) 486-9766

FIGURE 3
AREA 1 SITE PLAN

DEFENSE FUEL SUPPORT POINT MUKILTEO

DRAWN BY	CHECKED BY	APPROVED BY	OFFICE	DRAWING NUMBER
MPortocio 12/2/2004			BOTHELL	112052

REF Files: IMAGE Files
File: N:\Project\Fed\DFSC-Mukilteo\112052\Drawings\EFdfspsiteplanarea1.dwg user: jorda Feb. 21, 2005

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

May 22, 2006

Mr. Jack O'Donovan
Defense Energy Support Center, DFSC-FQ
8725 John J. Kingman Road, Suite 2941
Fort Belvoir, VA 22060-6222

RE: Satisfaction of Enforcement Order
No. DE 93TC-N268
Defense Fuel Support Point Mukilteo
Mukilteo, Washington

Dear Mr. O'Donovan:

In accordance with the above referenced Enforcement Order, the Department of Ecology (Ecology) is providing this written notification that the provisions of the Enforcement Order have been satisfied. No further monitoring is required and the remaining monitoring wells may be abandoned. Abandonment of the wells must be conducted in accordance with the requirements of Chapter 173-160 Washington Administrative Code (WAC), *Minimum Standards for Construction and Maintenance of Wells*.

If you have any questions, please contact me at (425) 649-7265 or bsat461@ecy.wa.gov.

Sincerely,

Brian S. Sato, P.E.
Toxics Cleanup Program

BSS:bs

cc: Ed Turner, Oasis Environmental