

## PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Brown & Haley Warehouse  
1940 East 11<sup>th</sup> Street  
Tacoma, WA**

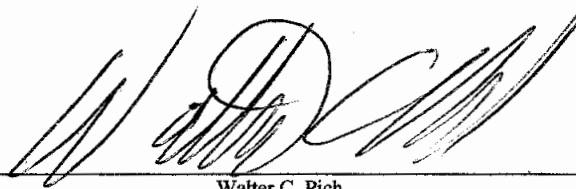
LOCATION: 1940 East 11<sup>th</sup> Street  
Tacoma, WA 98421

CLIENT: Port of Tacoma

DATE: February 9th, 2006

PROJECT  
MANAGER: Walt Pich

endorsement



Walter C. Pich



project review



Alan Olson

# **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**Brown & Haley Site  
1940 East 11th Street**

**PROJECT:** Level I Environmental Site Assessment

**BY:** Nowicki Environmental Services  
Walter C. Pich - Site Assessor

**CLIENT:** Port of Tacoma (POT)  
One Sitcum Plaza / PO Box 1837  
Tacoma, WA 98421

**CONTRACT:** 01/26/2006 Notice to Proceed (verbal)

**CONTACT:** Suzanne Dudziak - (253) 383-5841 - office phone  
(253) 428-8679 - fax

## **EXECUTIVE SUMMARY**

### Site Reconnaissance

The site reconnaissance identified lead-based paint layers, confirmed asbestos-containing materials, probable PCB-containing ballasts (minor absolute amount), and groundwater monitoring wells on both the southeast and western sides of the building.

### Government Document Scan

Forty-seven state, federal and tribal environmental data bases were reviewed, extending to ASTM maximum specified distances, identifying ninety-five sites. These sites have been identified and plotted on the EDR report. Eighteen sites are listed within 1/8 mile; thirty-one within 1/4 mile and forty-six more within one mile. Of the forty-nine sites/files within 1/4 mile, forty-two are UST's, TSD's and generators of hazardous materials, etc; these are not contamination sites but are listed to address risk issues only. There are registered NPL, CERCLIS sites, Contaminated and Suspected Contaminated Sites (CSCSL) and Leaking Underground Storage Tanks (LUST) sites that have impacted groundwater and have not been remediated. However, because there has been subsurface exploration on the subject property, the threat of possible groundwater contamination from offsite locations has, in effect, already been explored. In addition, it should be pointed out that the information regarding these reports reflects report status; often times the sites have actually been cleaned up but the paperwork shortfall keeps the files open. Nearby sites are individually analyzed in the

"Findings" section.

#### Historical Analysis

The 1900/2300 block of East 11th Street was unimproved creek delta until 1947 when Sound Battery was built at 2310. The subject parcel appears to have been raised to its existing elevation with fill from nearby dredging operations in the tideflats. The initial development on the subject property appears to be Washington Steel, circa 1948. Partial Brown & Haley occupation & operation began in 1964 and continues to present. Current owner Robert Shea stated that the site was initially purchased by Leo Gallagher, his grandfather, in 1939.

Historical analysis has identified contamination directly on the subject property and on immediately adjacent property @ 1132 Thorne Road. Apparently, a historic (non-recurring) source of the solvent perchloroethylene (PCE) has contaminated the subject property. A plume of PCE and attenuated by products, including Trichloroethene, Vinyl Chloride and Dichloroethene extends northwards from adjacent Shaub-Ellison (1132 Thorne Road) onto the subject property and is believed to extend under the building as well. *→ what depth?*

Prior reports also document the successful removal of a 6000-gallon heating oil tank and associated petroleum-contaminated soils (PCS) from the southwestern corner of the subject building between 1999 and 2001.

#### Conclusions & Recommendations

Subsurface environmental investigation has been performed on the site, identifying existing contamination. Borings and groundwater monitoring wells have been installed on the southeastern perimeter and on the western perimeter. Although the contaminant plume has not been precisely delineated, the rough bounds can be estimated from existing data. Additional exploration would not likely be cost effective. The source appears to be from adjacent property, not from Brown & Haley occupation.

Recommendations for immediate response actions relate to the asbestos situation. There are several locations where asbestos-containing lagging on the overhead pipe runs have physical damage. This situation poses a fiber release potential; damaged areas should be repaired as soon as possible.

**PROJECT  
DESCRIPTION:**

The reason for this site assessment is to investigate the environmental status of the property in question, and the associated neighborhood.

**PROPERTY  
LOCATION:**

Located in the southeastern quadrant of the intersection formed by East 11th Street and Thorne Road, the subject property has frontage on both 11th Street and Thorne. East 11th is the main thoroughfare in the industrial portion of Tacoma known as the "Tideflats." This location lies near the eastern terminus of the Sitcum/Milwaukee Waterway, which extends west into tidewater from Sitcum Way. It is situated at 1940 East 11th Street, on the southeastern side of the street. It is listed near the center point of Section 34, of Township 21 North, Range 3 East of the Willamette Meridian, County of Pierce, 98421.

The Pierce County Assessor indexes the subject property under tax parcel identification number 2275200661.

**PROPERTY  
DESCRIPTION:**

An irregular-shaped lot, the property in question comprises an area of 251,130 square feet or 5.77 acres. East 11<sup>th</sup> Street forms the northwestern border, Thorne Road forms the northeastern border and the railroad right-of-way forms the southwestern border. The site is improved with a complex of large, dissimilar high-bay warehouse structures. The subject property is partially enclosed by a chain-link fence.



## PROJECT METHODOLOGY & SCOPE OF WORK

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### Step #1

Determine the physical bounds of the actual site.

### Step #2

Obtain and review aerial photographs of the property in question and similar photographs of adjacent properties to assess use structures. The purpose of this exercise is to search for current or prior roads, residences, industrial sites, farming locations, logging operations, mining activity, and any other land use that may have resulted in environmental degradation of the property. If available, review historical aerial photos kept on file at the county assessor's office/WS DNR office/private firms.

### Step #3

Obtain and review USGS topographical quadrangle of the property in question, and adjacent properties, to perform topographic analysis, determining elevations and watershed areas. Assess creeks, runoff troughs, and storm drains to determine where potential non-point source contamination may emanate from and where residual pollution may be discovered. The Tacoma North, Washington 7.5 minute series topographic quadrangle covers the property in question and the general surrounding area.

### Step #4

Conduct comprehensive physical inspection of the property.

### Step #5

Conduct physical inspection of adjacent properties wherever access is possible.

### Step #6

Conduct UST/AST inspection of the property and adjacent grounds.

### Step #7

Research history of property in question.

### Step #8

Research historical county maps for ownership history.

### Step #9

Research Polk City Directories for occupational history.

### Step#10

Research historical USGS topographical maps.

## PROJECT METHODOLOGY & SCOPE OF WORK

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### Step #11

Visually inspect and extract samples for asbestos-containing materials (no destructive sampling).

### Step #12

Inspect for flaking, peeling or chalking paint layers (sample major paint layers).

### Step #13

Photographically document the physical inspection to record key features and visual findings.

### Step #14

Review/analyze Washington State Department of Ecology UST files.

### Step #15

Review/analyze Washington State Department of Ecology LUST files.

### Step #16

Review/analyze Washington State Department of Ecology hazardous waste site locations-- "Affected Media and Contaminants Report."

### Step #17

Review/analyze hazardous waste site locations on file with the Environmental Protection Agency, Region 10--CERCLIS files.

### Step #18

Review/analyze hazardous material TSD's and generators on file with the Environmental Protection Agency, Region 10--RCRIS files.

### Step #19

Review/analyze Superfund sites on file with the Environmental Protection Agency, Region 10--NPL files.

### Step #20

Interview Tacoma Fire Marshall for historical information on the general area and on the specific parcel.

### Step #21

Interview existing property owner/manager for information regarding historic property usage.

## PROJECT METHODOLOGY & SCOPE OF WORK

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### Step #22

Run EDR Radius Map with GeoCheck government document scan program to screen fourteen Washington State Department of Ecology (DOE) databases, thirty US Environmental Protection Agency (EPA) databases and three Tribal databases, including:

- US EPA - NPL (National Priority List)
- US EPA - CERCLIS (Comprehensive Environmental Response Compensation and Recovery Information System)
- US EPA - RCRIS (Resource Conservation and Recovery Information System)
- US EPA - CORRACTS (RCRA Corrective Actions and associated TSD)
- US EPA - LG GEN (RCRA registered large generators of hazardous waste)
- US EPA - SM GEN (RCRA registered small generators of hazardous waste)
- US EPA - ERNS (Emergency Response Notification of System Spills)
- WS DOE - SPL (Confirmed and Suspected Contaminated Sites Report)
- WS DOE - SCL (Confirmed and Suspected Contaminated Sites Report)
- WS DOE - UST (registered Underground Storage Tanks)
- WS DOE - LUST (registered Leaking Underground Storage Tanks)
- WS DOE - SWLF (Solid Waste Landfills)
- WS DOE - TOXICS (Toxics Site Register)

### Step #23

Prepare a detailed environmental assessment report to disclose all findings and conclusions.

## ENVIRONMENTAL ASSESSMENT FINDINGS

### Site History and Current use

#### INTERVIEWS

Information obtained from interviews with the following people:

Robert Shea -	current property owner/manager
Don Funkhouser -	Inventory Control Manager (B&H)
Lee Britt -	Tacoma Fire Marshall (assistant)
Rob Olson -	Tacoma/Pierce Co Health Dept
Leslie Koziara -	DOE Records Department Manager

#### AERIAL PHOTOGRAPHS

The 1931 historical aerial photograph from the archives of the City of Tacoma GovMe site was the earliest photograph identified in this analysis. Historical aerial photographs of the property in question portray a detailed picture of the area. Actual use is indeterminable from photos but general inferences can be made here based on the appearance of the structures and associated grounds.

1931 City of Tacoma GovMe Archival photo, 10,000 feet AGL – showing subject property and surrounding area. Two roads are visible cutting through the photograph from southwest to northeast. The easternmost is 11<sup>th</sup> Street East. Milwaukee Way connects the two roads and helps to identify the location of the subject property. The subject property appears as undeveloped delta land to the right of center in the photograph.

1946 Walker & Associates Inc. Archival Photo, 12,000 feet AGL - showing the surrounding area. Both the subject property and the land in the vicinity of the subject property are clearly visible on the photograph but the bounds are undistinguishable. The southeastern side of East 11th Street, where the subject property is currently located, is vacant delta land in the 1900 - 2300 block. The only visible improvements on this side of 11th are billboards and Barnacle Bill's Restaurant.

1950 City of Tacoma GovMe Archival photo, 10,000 feet AGL – showing subject property and surrounding area. East 11<sup>th</sup> Street bisects the photograph from southwest to northeast. Milwaukee Way and Thorne Road run north and south. The subject property is identified at the corner of Thorne Road and East 11<sup>th</sup> Street. A large warehouse is visible on the site. Much of the undeveloped delta land remains in place.

1966 Washington State Department of Transportation Archival Photo, 20,000 feet AGL - showing the surrounding area. The subject property is improved with a warehouse complex that appears to be the existing configuration. Vacant land appears to the south and east; commercial occupation lies to the north and west.

1982 Washington State Department of Transportation Archival Photo 20,000 feet AGL - showing subject property. Here, improvements on the subject property are clearly those visible today at the Brown & Haley site. All of the currently existing structures are visible in this photograph. Neighboring property is now fully occupied by commercial activities.

1989 Washington State Department of Transportation Archival Photo 12,000 feet AGL - showing subject property. The subject property is clearly visible. No substantive changes are apparent.

1995 Washington State Department of Transportation Archival Photo 12,000 feet AGL - showing subject property. The subject property is clearly visible. No substantive changes are apparent.

2003 Washington State Department of Transportation Archival Photo 24,000 feet AGL - color - showing subject property. The subject property is clearly visible. No substantive changes are apparent.

#### SANBORN FIRE INSURANCE MAPS

Sanborn maps show existing structures on the streets and blocks within metropolitan areas. No historic Sanborn coverage was identified for this area prior to 1965. The 1965 map shows the existing complex of warehouse buildings in place. Warehouse occupation identifies the northern portion of the warehouse as "Export Warehouse," while the southern portion is listed as "Candy Warehouse" and Packaging. Tide Flats Texaco is the first structure north of Thorne Road. The William Drury property is listed as a small distributor of gas and oil. Fastco, Sound Battery and the fire station lie to the north. A drug distributor lies on Ross Way with a propane distributor and other commercial operations adjacent to the north.

#### POLK CITY DIRECTORIES

Polk City Directories provide information on what business or person occupies a specific address. This address coverage typically extends back to the late 1920's or mid 1930's. The 1900 - 2400 Block of East 11th Street and the 2000 Block of Ross Way were both analyzed in the

Polk analysis. Data is provided in five-year intervals or as near as possible given the existing Polk inventory. Year-by-year analysis is presented where each year has significance.

	<u>E 11th</u>	<u>Ross Way</u>
2002	1940 Brown & Haley 2216 Puglia Engineering 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2324 Kaman Industrial Tech 2328 Points Sharp Steel	2221 Spectra Labs 2235 Premier Transportation 2302 Unified Aircraft 2311 Apex Forge & Tool 2331 Ben's Precision Instruments 2336 Innovative Concepts
2000	1940 Brown & Haley 2216 Puglia & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2324 Kaman Industrial Tech	2221 Spectra Labs 2235 Collins Trucking 2302 Unified Aircraft 2311 Apex Forge & Tool 2331 Ben's Precision Instruments 2336 Innovative Concepts
1994	1940 Brown & Haley 2216 Puglia & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2316 Tacoma Fire Department 2324 Industrial Tech 2336 Innovative Concepts	2211 Suburban Propane 2221 Spectra Labs 2235 Collins Trucking 2311 Apex Forge & Tool 2331 vacant 2345 H U B Equipment
1989	1940 Brown & Haley 2216 Puglia & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2316 Tacoma Fire Department 2324 Industrial Tech 2332 Cascade Timber 2338 Cole Screen-printing 2432 NAM Environmental 2434 H U B Equipment 2502 Barnacle Bill's Restaurant	2211 Saturn Plastics (mftr) 2221 Spectra Labs 2235 Collins Trucking 2302 vacant 2311 Apex Forge 2331 Shortt Saw & Knife 2335 vacant 2345 H U B Equipment

1984	1940 Brown & Haley 2216 Air Mac & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2316 Tacoma Fire Department 2328 A One Steel Foundry 2330 Cascade & others 2338 PS Instruments 2432 McKenzie Fuel Co 2434 H U B Equipment 2502 Barnacle Bill's Restaurant	2211 Saturn Plastics (mfr) 2221 Spectra Labs 2235 Tacoma - Port Angeles Auto 2302 Georgia Pacific lumber 2311 Apex Forge 2331 Shortt Saw & Knife 2335 vacant 2345 H U B Equipment
1980	1940 Brown & Haley 2216 Air Mac & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2316 Tacoma Fire Department 2328 A One Steel Foundry 2330 Cascade & others 2338 PS Instruments 2432 McKenzie Fuel Co 2434 H U B Equipment 2502 Barnacle Bill's Restaurant	2211 Saturn Plastics (mfr) 2221 Spectra Labs 2235 Tacoma - Port Angeles Auto 2302 Georgia Pacific lumber 2311 Apex Forge 2331 Shortt Saw & Knife 2335 vacant 2345 H U B Equipment
1975	1940 Brown & Haley 2202 Maurins Texaco dist 2216 Air Mac & Hertz Equip 2220 William Drury Co 2306 Fastco, industrial fasteners 2310 Sound Battery 2316 Tacoma Fire Department 2328 A One Steel Foundry 2330 Cascade & others 2338 PS Instruments 2432 McKenzie Fuel Co 2434 H U B Equipment 2502 Barnacle Bill's Restaurant	2211 Saturn Plastics (mfr) 2221 Amfac Drug Supply (distributor) 2235 Tacoma - Port Angeles Auto 2302 Georgia Pacific lumber 2311 Westrade 2331 Shortt Saw & Knife 2335 vacant 2345 H U B Equipment
1970	1940 Brown & Haley 1942 Export Pacific (grain) 2202 Grant's Texaco	2211 no listing 2221 Western Drug 2235 Tacoma-Seattle Distributing

2216 Air Mac & Hertz Equip	2302 Georgia Pacific lumber
2220 vacant	2311 Pacific Forge & Tool
2306 Fastco, industrial fasteners	2331 Shortt Saw & Knife
2310 Sound Battery	2335 Glacier Pump & Drill (wells)
2316 Tacoma Fire Department	2335 Rogers Battery
2324 All Bearings	
2328 A One Steel Foundry	
2330 Metro Properties	
2338 vacant	
2432 McKenzie Fuel Co	
2434 H U B Equipment	
2502 Barnacle Bill's Restaurant	
1965 1940 Brown & Haley +	2211 no listing
1942 Export Pacific (grain)	2221 Western Drug
2202 Tide Flats Texaco	2235 Tacoma-Seattle Distributing
2216 vacant	2302 Georgia Pacific lumber
2220 Gene's Signal Service	2301 Air Production Pacific (oxy)
2306 Fastco, industrial fasteners	2311 Pacific Forge & Tool
2310 Sound Battery	2331 Shortt Saw & Knife
2316 Tacoma Fire Department	2335 Glacier Pump & Drill
2324 All Bearings	2339 Triangle Steam Cleaners
2328 Universal Metal	
2330 vacant	
2338 vacant	
2432 McKenzie Fuel Co	
2434 H U B Equipment	
2502 Barnacle Bill's Restaurant	
1963 2220 Gene's Signal Service gas station	
1962 2220 Gene's Signal Service gas station	
1961 2220 Jess's Signal Service gas station	
1960 1940 Washington Steel	2211 no listing
1942 no listing	2221 Western Drug
2202 no listing	2235 Tacoma-Seattle Distributing
2216 B & M Distributors	2302 Georgia Pacific lumber
2220 no listing	2301 Air Production Pacific (oxy)
2306 Ace Electric	2311 Pacific Forge & Tool
2310 Sound Battery	2331 Shortt Saw & Knife
2316 Tacoma Fire Department	2335 Glacier Pump & Drill
2324 All Bearings	2339 Triangle Steam Cleaners
2328 Nicholson Engineering	



2330 vacant  
2338 vacant  
2502 Barnacle Bill's Restaurant

1955	1940 Washington Steel 2010 B& M Distributors 2012 Tide Flats Texaco 2220 no listing 2306 Ace Electric 2310 Sound Battery 2316 Tacoma Fire Department 2324 no listing 2328 Nicholson Engineering 2330 Lumber Promotion 2338 no listing 2502 Barnacle Bill's Restaurant	No Listings for Ross Way
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1951	1925 S&S Shingle 1940 Washington Steel 2012 Tide Flats Texaco 2016 B& M Distributors 2220 no listing 2306 Ace Electric 2310 Sound Battery 2316 Tacoma Fire Department 2324 no listing 2328 Nicholson Engineering 2330 Lumber Promotion 2338 no listing 2502 Barnacle Bill's Restaurant	No Listings for Ross Way
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1947	1925 S&S Shingle 2310 Sound Battery 2336 Tacoma Saw & Supply 2502 Barnacle Bill's Restaurant	1st year of listings for 2000 block 1925 - 2502
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1945	No listings in 1900/2500 block of East 11th Street between 1935 - 2502	
	1935 - residence of Ernie Drum	
	2502 - Barnacle Bill's Restaurant	

#### HISTORICAL TOPOGRAPHIC MAPS

1994 USGS Tacoma North, Washington 7.5-minute topographic

quadrangle showing subject property and surrounding occupation. The existing complex of warehouse structures is depicted on the map. The 1900/2300 Block of East 11th Street and Ross Way are developed. Existing structures are depicted.

1981 USGS Tacoma North, Washington 7.5-minute topographic quadrangle showing subject property and surrounding occupation. The 1900/2300 Block of East 11th Street and Ross Way is developed. Existing structures are depicted.

1973 USGS Tacoma North, Washington 7.5-minute topographic quadrangle showing subject property and surrounding occupation. The existing complex of warehouse structures is depicted on the map. The 1900/2300 Block of East 11th Street and Ross Way is developed. A mixture of previous structures (apparently warehouses) and existing structures are depicted along E 11th. The gas station building @ 2220 E 11th is clearly visible. The Puglia Building is shown.

1968 USGS Tacoma North, Washington 7.5-minute topographic quadrangle showing subject property and surrounding occupation. The existing complex of warehouse structures is depicted on the map. The 1900/2300 Block of East 11th Street and Ross Way is partially developed. The same structures are depicted along E 11th as in the 1973 map. The gas station building @ 2220 E 11th is clearly visible. The Puglia Building is shown.

1961 USGS Tacoma North, Washington 7.5-minute topographic quadrangle showing subject property and surrounding occupation. The existing complex of warehouse structures is depicted on the map @ 1940. The 2000 Block of East 11th Street and Ross Way is partially developed. Only three small structures are depicted on Ross Way. No buildings are shown @ 2220 E 11th. The Puglia Building is shown.

1895 USGS Tacoma North, Washington 30-minute quadrangle showing general region around subject property. No development is depicted in the Tideflats area near the subject property.

#### **HISTORICAL PIERCE COUNTY MAPS**

Historical Pierce County Kroll, Metsker, Plummer, Anderson and Nicholson maps were reviewed in this analysis. The detail level provides general information on the subject property parcel and the surrounding area. The timing of development corresponds with the other utilized sources of historical information. Individual maps are presented in the

enclosures and analyzed below.

1884 Department of the Interior – General Land Office showing Township 21 North / Range 3 East of the Willamette Meridian. The bulk of Section 34 is shown as part of Commencement Bay.

1888 Anderson Pierce County Map - showing Township 21 North / Range 3 East of the Willamette Meridian. The bulk of Section 34 is shown as part of Commencement Bay.

1910 LA Nicholson Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. Section 34 and South 11<sup>th</sup> Street are now platted and displayed but no ownership is listed.

1915 Metsker Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. The center of Section 34 is not platted or displayed. It is listed as an undelineated portion of the, "Tacoma Tide Lands." East 11<sup>th</sup> Street is not depicted.

1924 Kroll Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. The portion of land near the center of the section, where the subject property is located, is not platted or displayed. East 11<sup>th</sup> Street is depicted.

1930 Metsker Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. The center of Section 34 is platted. The subject property lies within an undelineated portion of the holdings of F. C. Ross. East 11<sup>th</sup> Street is depicted.

1941 Metsker Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. The SWQ of the NEQ of Section 34 is platted. The subject property is an undelineated portion of the holdings of F. C. Ross (52 acres fronting East 11<sup>th</sup> Street). The Ross holdings include the three interior sub-quarters where the subject property is located.

1951 Metsker Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. All four interior sub-quarters are part of the, "Port of Tacoma Industrial District – 1<sup>st</sup> Addition." It appears that the subject property is within lot Number 15.

1965 Metsker Pierce County Map showing Township 21 North / Range 3 East of the Willamette Meridian. All four interior sub-quarters are

part of the, "Port of Tacoma Industrial District – 1<sup>st</sup> Addition." It appears that the subject property is within lot Number 15.

### HISTORICAL SUMMARY

The body of historical sources examined in this analysis portrays a consistent history of the subject property. No chronological discrepancies were identified between interviews, aerial photographs, Polk listings, historical topographical maps and the Sanborn map. Current owner Robert Shea stated that the site was initially purchased by Leo Gallagher, his grandfather, in 1939. Apparently, the subject property and immediately adjacent land were unimproved creek delta/tidelands as recently as the late 1940's. Shortly thereafter the nearby parcels were filled to current grade, with assumed dredge materials from nearby harbor operations. Some time in 1946 or 1947 development began in the 1900/2000 Block of East 11th Street and Ross Way. Sound Battery @ 2310 East 11th appears to be the initial structure in the vicinity. The initial occupation of the subject property appears to have been some time between 1947 and 1949 when the westernmost portion of the warehouse complex was constructed on the subject property. At this time the property was occupied by Washington Steel. Washington Steel continued as the occupant until 1964 when Brown & Haley and Export Pacific (grain supply) jointly occupied the building. There have been numerous tenants in the facility during the subsequent 30 years. Brown & Haley continues to be the occupant of record.

### SITE RECONNAISSANCE

The subject property was physically investigated on Thursday, February 2<sup>nd</sup>, 2006. Along with Suzanne Dudziak (POT), John Bauder (owner's representative) and owner Robert Shea, I inspected the subject property. Both the interior and exterior of the site were inspected. The site land and improvement description is as follows:

#### Grounds

The grounds are basically level throughout as is the neighborhood. Other than the structure footprints, the surface of the land is covered by several different materials including asphalt, concrete and gravel. Property bounds run from the fence at Shaub-Ellison to 11<sup>th</sup> Street, and from the railroad right-of-way to Thorne Road. There is vehicle parking on the north, east and west sides of the building.

#### Improvements

The facility appears to be a large warehouse complex that was constructed in phases. It is a conglomeration of four high-bay

warehouses occupying 112,000 square feet. It is a combination of masonry and wood framing over a concrete slab floor. Apparently the facility was completed by 1964 when the original boiler was abandoned and the new boiler was added to the western side of the building. There is also office space on the northwestern end fronting East 11<sup>th</sup> Street. The office space extends along the first and partial second level of the northwestern side of the complex. The vast majority of interior space is devoted to warehousing/shipping candy confections.

Mechanically, the building was originally heated with tandem, oil-fired, steam boilers supplying a system of overhead unit ventilators and return water system. The overhead supply and return lines are insulated with asbestos-containing material. It has been partially abated.

### ENVIRONMENTAL SETTING

The environmental setting of the general area reflects a consistent pattern of land use, dominated by industrial/commercial occupation. At present there is no residential occupation of any kind. Only one instance of residential occupation was identified in the entire Polk evaluation. Foundries, lumberyards, battery suppliers, metal shops, candy factory, port facilities, warehousing and similar occupation characterize the neighborhood.

Topographically, the general boundary area is essentially flat, ranging from a low of 0 feet Mean Sea Level (MSL) at numerous mean tide locations to the north, west and east to a high of approximately 13 feet MSL one mile to the south. The subject property lies at approximately 5 feet MSL. Consequently, due to the uncommitted topography, groundwater gradient cannot be accurately predicted based on surface conditions. The complete elevation profile, running for one mile in each compass point direction, can be found in the GeoCheck portion of the EDR Radius Map Report.

\* NOTE - all specified elevations are interpolations and extrapolations based on USGS topographical quadrangle contour intervals and field notes taken during the site reconnaissance. No surveying was performed during this analysis. The data is given to provide relative information and should not be used for any legal or structural property determinations/conclusions.

## Summary of Findings

### 1) GENERAL SITE OBSERVATIONS - PROPERTY IN QUESTION

There is asbestos, lead-based paints layers, monitoring wells, and presumed PCB's in/on the subject property. Visual inspection did not reveal any visual evidence of serious, long-term environmental degradation beyond what is evaluated in the subsequent categories.

### 2) GENERAL SITE OBSERVATIONS - ADJACENT PROPERTY

No positively identified contamination was visually observed on immediately adjacent property.

### 3) POLYCHLORINATED BIPHENOLS (PCB's)

The area surrounding the subject property is served by pole-mounted wiring servicing both East 11th Street and Thorne Road. Pole-mounted transformers are in place but no leakage was observed on nearby units. No labels are posted on the units. The transformer units near the subject property appear in good condition with no signs of leakage either on the units or on the ground below. No large-scale PCB contamination was identified.

Interior lighting is generated by a combination of incandescent and fluorescent units. No units were dis-assembled and inspected. Because the buildings were constructed prior to 1978, there may be older PCB-containing ballasts remaining in the older fluorescent lighting units. If so, the absolute amount is small and no units were observed to be leaking at the time of the site reconnaissance.

### 4) UTILITIES

Both public and private utilities are available to the subject property. Sanitary and storm sewers, electricity and water are provided to the site. Natural gas is available.

### 5) ASBESTOS-CONTAINING MATERIALS (ACM's)

Because the buildings were constructed prior to 1980, Washington State Labor & Industries regulations stipulate that all original flooring, surfacing materials, and thermal system insulation is presumed to be asbestos-containing. Asbestos-containing materials were positively identified, in most sections of the buildings, during the site reconnaissance. NOTE---there are several overhead locations where asbestos-containing pipe insulation is damaged, exposing occupants to fiber release. These physically damaged locations should be repaired or

abated immediately to preclude an imminent health problem for building occupants. See the attached limited-scope asbestos inspection report for additional details.

There are approximately 2400 lineal feet of 3-6-inch diameter pipe runs, 1440 lineal feet of 8-inch pipe runs and 400 square feet of jacketing material in the building. Abatement of this TSI would cost roughly \$50,000.

All other identified asbestos-containing substances are miscellaneous materials including 9-inch floor tiles, black tile mastic, dark brown cove mastic and sheet vinyl floor covering material. \$5000 would likely cover abatement of these materials.

6) **LEAD & LEAD-BASED PAINTS (LBP)**

There are some peeling and flaking paint layers in and on the building. Two paint samples were extracted from the building exterior and three were extracted from the interior. Due to the age of the buildings there is likely lead in most of the older paint layers. Laboratory analysis indicates lead content between 21,735 parts per million (ppm) and 22,702 ppm on the building exterior. The interior layer in the candy making room tested out at 333 ppm; the second floor office area tested out at 5,681 ppm; the boiler room mechanical equipment paint layer tested out at 25,389.

At the present time, due to varying government regulations, there is no clear threshold level for determining whether a paint is "lead-based." Previously the HUD criterion was 1/2 % or 5000 ppm. Currently, anyone working on a painted surface must be apprised of the lead content, regardless of threshold determinants. See the Chain of Custody and laboratory report (Orion Environmental Services) for total lead detected in the extracted paint chips.

Also, due to the age of the building, there is likely lead in the sweated copper fittings of the domestic water system (solder).

7) **UST's and AST's**

No significant quantities of petroleum products are currently stored on the subject property. All known AST's and UST's have been removed from the site according to owner Robert Shea. Two prior reports on UST removal and associated PCS removal are discussed in Finding 28 below. Nonetheless, despite anecdotal and visual evidence, there is always the potential for an abandoned UST adjacent to the boiler room.

8) DOE - REGISTERED UST's

The Washington State Department of Ecology maintains files on registered (non-leaking) Underground Storage Tanks (UST's) within the state. These tanks are not currently known to be sources of contamination; they are listed only as a potential threat. The DOE file of UST's includes three registered UST sites listed within 1/8 mile of the subject property, the ASTM analysis limit (the subject property is not included in this list). An additional six UST's are listed between 1/8 miles and 1/4 mile. Registered UST sites are primarily commercial sites where, typically, there are two, three, or more tanks at each of the individual locations. These nearby registered UST sites are:

NAME: Hertz Equipment Rental  
ADDRESS: 2216 East 11th Street  
DISTANCE: 0.06 miles to the NE

NAME: William Drury Company  
ADDRESS: 2220 East 11th Street  
DISTANCE: 0.10 miles NE  
STATUS: closed in place - DOE/EDR documents indicate that the UST was installed 12/31/1964 & subsequently closed in place - interviews indicate that the UST closure was circa 1970, involving removal of the UST's.

NAME: Shaub Ellison Company  
ADDRESS: 1132 Thorne Road  
DISTANCE: adjacent SE

NAME: Union Pacific Railroad  
ADDRESS: 1119 Milwaukee Way  
DISTANCE: 0.12 miles SSW

NAME: City of Tacoma  
ADDRESS: 2316 East 11th Street  
DISTANCE: 0.15 miles to the NE

NAME: Georgia Pacific Corp  
ADDRESS: 2303 Ross Way  
DISTANCE: 0.2 miles ENE



NAME: Port of Tacoma  
ADDRESS: 1 Sitcum Plaza.  
DISTANCE: 0.18 miles WSW

NAME: Air Liquide  
ADDRESS: 1451 Thorne Road  
DISTANCE: 0.15 miles SE

NAME: NW Forest Products  
ADDRESS: 1476 Thorne Road  
DISTANCE: 0.15 miles SE

Specifics are in EDR Radius Map report (enclosures).

9) DOE - REGISTERED LUST'S

The Washington State Department of Ecology also maintains files on registered Leaking Underground Storage Tanks (LUST's) within the state. These tanks are known (verified by laboratory analysis) to be sources of contamination. There are six LUST sites listed within 1/2 mile of the subject property, the ASTM analysis limit. Potential impact from these sites is as follows:

NAME: Union Pacific Railroad  
ADDRESS: 1119 Milwaukee Way  
DISTANCE: 0.20 miles SW  
MEDIA: soil & groundwater  
STATUS: monitoring in progress as of 05/29/1990  
IMPACT: possible due to media and distance

NAME: Port of Tacoma  
ADDRESS: 1 Sitcum Plaza  
DISTANCE: 0.20 miles WSW  
MEDIA: soil & groundwater (numerous locations)  
STATUS: cleanup in progress as of 01/14/2000  
IMPACT: possible due to media, distance and numerous locations

NAME: Northwest Forest Products  
ADDRESS: 1476 Thorne Road  
DISTANCE: 0.24 miles SSE  
MEDIA: soil & groundwater  
STATUS: reported cleaned up as of 02/26/93

IMPACT: unlikely due to status

NAME: Billene's Deli Mart  
ADDRESS: 801 East 11<sup>th</sup> Street  
DISTANCE: 0.26 miles SW  
MEDIA: soil & groundwater  
STATUS: monitoring/awaiting cleanup as of 03/09/2004  
IMPACT: possible due to media

NAME: Fairliner Marina  
ADDRESS: 2550 East 11th Street  
DISTANCE: 0.30 miles NE  
MEDIA: soil only  
STATUS: reported cleaned up as of 01/03/2001  
IMPACT: unlikely due to media and status

NAME: Pacific Transportation Group Inc  
ADDRESS: 1440 Port of Tacoma Road  
DISTANCE: 0.35 miles E  
MEDIA: soil only  
STATUS: reported cleaned up as of 01/02/2001  
IMPACT: unlikely due to media and status

10) DOE - HAZARDOUS MATERIALS SITES

The Washington State Department of Ecology's (DOE) "Confirmed and Suspected Contaminated Sites List," aka "toxics cleanup list," or "Affected Media and Contaminants Report," and the Washington Site Register, WA State SWLF report, and WA State SPL & SCL reports list twenty-three sites within 1.0 mile of the subject property, the ASTM analysis limit. Six of these sites are located within 1/2 mile of the subject property. The following six sites are analyzed for potential impact to the subject property:

Name: Union Pacific Railroad  
Address: 1119 Milwaukee Way  
Distance: 0.22 miles SSW  
Contaminant: petroleum products  
EPA priority pollutants - metals & cyanide  
poly aromatic hydrocarbons  
asbestos  
Media: soil & groundwater  
Status: cleanup in progress  
Impact: impact possible due to media, but unlikely due to distance

Name: North Intermodal Rail Yard  
Address: East 11th & Port of Tacoma Road  
Distance: 0.23 miles NE  
Contaminant: petroleum products  
Media: soil & groundwater  
Status: cleanup in progress  
Impact: impact possible due to media & distance, but likely lies in a down or cross-gradient location

Name: Cascade Pole MCF Sitcum  
Address: 1002 Port of Tacoma Road  
Distance: 0.25 miles NE  
Contaminant: petroleum products  
halogenated organic compounds  
base/neutral/acid organics  
EPA priority pollutants - metals & cyanide  
phenolic compounds  
Media: soil & groundwater  
Status: cleanup in progress  
Impact: impact possible due to media, but unlikely due to distance

Name: Tacoma Port Slip #5  
Address: 601 Port of Tacoma Road  
Distance: 0.35 miles N  
Contaminant: petroleum products  
Media: soil & groundwater  
Status: cleanup in progress  
Impact: impact possible due to media, but unlikely due to distance

Name: North American Packaging Corp  
Address: 1702 Port of Tacoma Road  
Distance: 0.45 miles E  
Contaminant: halogenated organic compounds  
petroleum products  
Media: soil & groundwater  
Status: cleanup in progress  
Impact: impact potential marginal due to status & distance

Name: Cascade Timber 3 Pot  
Address: Thorne Road & Maxwell  
Distance: 0.45 miles SE  
Contaminant: EPA priority pollutants - metals & cyanide

Media: soil & groundwater  
Status: cleanup complete - confirmatory monitoring in progress  
Impact: impact unlikely due to status

The remaining 17 sites lie beyond 0.60 miles from the subject property. Although any site within ASTM limits is of concern, the CSCSL sites with the greatest potential to impact the subject property are analyzed above.

- 11) DOE - HAZARDOUS MATERIALS SITES - NO FURTHER ACTION  
The Washington State Department of Ecology's (DOE) "Confirmed and Suspected Contaminated Sites List - NFA lists eleven sites that have been cleaned up and listed on the NFA list. Four sites are near the subject property including POT Terminal 7 @ 1 Sitcum Plaza, Puglia Engineering @ 2217 East 11th, Allied Battery @ 2310 East 11th (Sound Battery site) and the Tacoma Fire Department building @ 2316 East 11th.

- 12) DOE - VOLUNTARY CLEANUP PROGRAM (VCP)  
VCP sites are locations where contamination is being cleaned up without direct DOE supervision. It is a continuation of the former IRAP program. There are three sites within the analysis limit of ½ mile. These sites are:

NAME: Tacoma Fire Department - Station 12  
ADDRESS: 2316 East 11th Street  
DISTANCE: 5 parcels NE of subject property  
STATUS: final IRAP/VCP report received  
IMPACT: NFA after assessment

NAME: Reflex Recycling  
ADDRESS: 2432 East 11th Street  
DISTANCE: 0.26 miles NE  
STATUS: interim IRAP/VCP report received  
IMPACT: NFA after assessment

NAME: Tacoma Port Maintenance Facility  
ADDRESS: 802 Port Center Road  
DISTANCE: 0.30 miles N  
STATUS: final IRAP/VCP report received  
IMPACT: NFA after assessment

- 13) **EPA – RCRIS & TSD's**  
The US Environmental Protection Agency - Region 10 maintains a roster of hazardous waste transporters, storage facilities and disposal facilities in the Resource Conservation Recovery Information System (RCRIS) for the State of Washington. There are numerous listings for Pierce County but there is only one site within the ASTM analysis limit of 1/8 mile. Also, these notifiers are not known polluters, but rather, they are listed to assess the risk issue. The lone site is Micro Oil Refining Corp @ 2432 East 11th Street.
- 14) **EPA – RCRIS CORRACTS**  
Also within RCRIS is the Corrective Actions (CORRACTS) file, which lists RCRA hazardous waste handlers that have been subjected to EPA corrective actions; six CORRACTS sites are pertinent to this analysis. Each of the six sites was reviewed as part of this analysis and no data was identified that directly impacts that subject property. The complete list is presented in the EDR report.
- 15) **EPA – RCRIS HAZARDOUS WASTE GENERATORS**  
The US Environmental Protection Agency - Region 10 maintains a roster of hazardous waste generators in the Resource Conservation Recovery Information System (RCRIS) for the State of Washington. There are numerous listings for Pierce County including twenty three generators within the ASTM analysis limit of 1/4 mile. The subject property is not included in this listing. Also, these notifiers are not known polluters, but rather, they are listed to assess the risk issue. Only two of the generators are classified as "Large Quantity Generators" (LQG's). The LQG's are listed below:
- |                 |                                                      |
|-----------------|------------------------------------------------------|
| NAME:           | Carotrans International                              |
| ADDRESS:        | 2207 E 11th                                          |
| CLASSIFICATION: | conditionally exempt SQG                             |
| STATUS:         | no violations reported                               |
| NAME:           | Raven Industries Inc - Norcore Plastics              |
| ADDRESS:        | 1144 Thorne Road                                     |
| CLASSIFICATION: | LQG                                                  |
| STATUS:         | 10 violations reported (all brought into compliance) |
- 16) **EPA – FEDERAL INDEX SYSTEM (FINDS)**  
The US Environmental Protection Agency - Region 10 maintains a roster of sites that have been indexed to lead to more information. There are no

FINDS sites. The ASTM analysis limit is Target Property only. These FINDS sites are not known polluters, but rather, they are listed to provide additional information.

17) EPA - SUPERFUND - National Priorities List

The US Environmental Protection Agency - Region 10 includes information on the states of Washington, Oregon, Idaho, and Alaska. Currently there are 52 final National Priorities List (NPL) aka Superfund sites listed for the State of Washington. There is one site listed sufficiently near the subject property to fall into the analysis area. The site is:

NAME:	US EPA Commencement Bay Nearshore Tideflats Industrial Section
ADDRESS:	Tideflats encompassing 67 acres
DISTANCE:	Tideflats surrounding subject property
CONTAMINANT:	Mostly metals from Asarco smelter operation
STATUS:	cleanup in progress
IMPACT:	possible due to location - however, the nearby St Paul and Blair Waterways have been removed from the NPL listing - the Blair Waterway is northeast of the subject property - there is no evidence of these contaminants having impacted the subject property.

The Commencement Bay Near Shore Tide Flats NPL site includes 10-12 square miles of shallow water, shoreline, and adjacent land. The nearshore portion of this site is defined as the area along Ruston shoreline from the mouth of Thea Foss Waterway to Pt Defiance. The tide flats portion of the site includes the Hylebos, Blair, Sitcum, Milwaukee, St Paul, Middle, Wheeler-Osgood and Thea Foss Waterways. Numerous contaminants have been identified. The Blair and St Paul Waterways have been cleaned up and removed from the NPL listing.

18) EPA - ERNS

The Emergency Response Notification System (ERNS) is an EPA national database to record releases of hazardous materials. ERNS does not list the target property.

19) EPA - CERCLIS

The Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) lists sites that are proposed for

listing on NPL. There are three CERCLIS sites within the ASTM analysis limit of ½ mile. The sites are as follows:

NAME: Commencement Bay Nearshore Tideflats  
ADDRESS: 67 acres surrounding the subject property  
DISTANCE: adjacent  
CONTAMINANT: numerous  
STATUS: analyzed in NPL  
IMPACT: possible due to extent and media

NAME: General Chemical Tacoma  
ADDRESS: 1410 Thorne Road  
DISTANCE: 0.20 miles ESE  
CONTAMINANT: numerous - site is included in NPL listing  
STATUS: analyzed in NPL  
IMPACT: possible due to extent and media

NAME: Georgia Pacific Resins Inc.  
ADDRESS: 1754 Thorne Road  
DISTANCE: 0.48 miles SE  
CONTAMINANT: numerous  
STATUS: analyzed in NPL  
IMPACT: possible due to extent and media

20) EPA - CERCLIS NFRAP

NFRAP sites are sites where contamination was not found, quickly cleaned up or not deemed serious. This list includes no NFRAP sites within ½ mile, the ASTM analysis limit.

21) FIRE MARSHALL RECORDS

Interviews with Tacoma City Assistant Fire Marshall, Lee Britt, revealed no information regarding hazardous materials spills or records of hazardous materials permits. He is not aware of any environmental issues on the subject property.

22) EDR RADIUS MAP GOVERNMENT DATABASE SEARCH

As part of this analysis, 47 federal, state and tribal databases were searched to address the known environmental risk issue. These sites were initially scanned through the EDR program, which is updated to satisfy the most recent ASTM requirements for a Level I Environmental Site Assessment. Ninety-five listings were positively identified and plotted on the EDR Site Assessment Report. All pertinent sites have been analyzed and discussed in appropriate categories above.

- 23) **HAZARDOUS MATERIALS DISPOSAL**  
Hazardous materials are generated at the subject property.
- 24) **RADON RISKS**  
While radon contamination is a potential problem in any location, test results from this region of Washington State are typically below the activation level of 4 pCi/Liter radon concentration. No tests are recommended at this time. See the enclosed USEPA Radon map and related data for western Washington.
- 25) **GROUNDWATER GRADIENT**  
No testing was conducted to verify groundwater gradient. Typically, the direction of groundwater movement follows topography toward the nearest body of water. Here, terrestrial gradient is uncommitted in the immediate vicinity of the subject property. Data from groundwater monitoring wells indicate a northerly gradient. See EDR - GeoCheck analysis for additional details.
- 26) **SOILS/GEOLOGY**  
Soil layer information is presented in the EDR - GeoCheck report (enclosed). Most of what was observed on the site indicates that the subject property is filled with sandy soil, probably dredge material deposited from the Puyallup River.
- 27) **GROUNDWATER - DEPTH & GRADIENT**  
Data retrieved from monitoring wells indicates that groundwater is encountered at a depth of 6-7 feet below the surface. Gradient appears to be northerly.
- 28) **WETLANDS ISSUES**  
Although this analysis does not attempt wetlands determinations or delineations, no low-lying areas or standing water was observed on the subject property.
- 29) **PRIOR REPORTS/STUDIES**  
Three prior reports were made available for this analysis:
- Saltbush Environmental Services, Inc - February 3<sup>rd</sup>, 1999  
This report documents the removal of the 6000-gallon heating oil tank from the subject property.



Sound Environmental Strategies – October 2001

This report covers the successful removal of a 6000-gallon heating oil tank and associated petroleum-contaminated soils from the subject property. Included in the report is a copy of a notification of “No Further Action” issued on November 6, 2001 by Mark LaVergne of the Tacoma Pierce Count Health Department.

Environmental Management Services, LLC – January 10<sup>th</sup>, 2006

This report addresses solvent-contaminated groundwater on the subject property. Apparently, a historic (non-recurring) source of the solvent perchloroethylene (PCE) has contaminated the subject property. A plume of PCE and attenuated by products, including Trichloroethene, Vinyl Chloride and Dichloroethene extends northwards from adjacent Shaub-Ellison (1132 Thorne Road) onto the subject property and is believed to extend under the building as well. The report concluded that the plume has been migrating northwards from an undetermined point south of the subject property.

30) DEMOLITION COSTS

Given the size of the building @ 112,000 square feet, demolition costs for the existing structure would range between \$3.50 and \$5.00 per square foot. Consequently, the physical cost of demolishing the building would be between \$392,000 and \$560,000. In addition, the asbestos abatement costs would likely be \$55,000.

## CONCLUSIONS

Level I Environmental Site Assessments are typically comprised of three major components including a visual site inspection, an ASTM-level scan of EPA and DOE environmental databases and a historical investigation of prior uses on the property in question. The conclusions presented here are centered on these three components.

### Site Reconnaissance

The site reconnaissance identified lead-based paint layers, confirmed asbestos-containing materials, probable PCB-containing ballasts (minor absolute amount), and groundwater monitoring wells on both the southeast and western sides of the building.

### Government Document Scan

Forty-seven state, federal and tribal environmental data bases were reviewed, extending to ASTM maximum specified distances, identifying ninety-five sites. These sites have been identified and plotted on the EDR report. Eighteen sites are listed within 1/8 mile; thirty-one within 1/4 mile and forty-six more within one mile. Of the forty-nine sites/files within 1/4 mile, forty-two are UST's, TSD's and generators of hazardous materials, etc; these are not contamination sites but are listed to address risk issues only. There are registered NPL, CERCLIS sites, Contaminated and Suspected Contaminated Sites (CSCSL) and Leaking Underground Storage Tanks (LUST) sites that have impacted groundwater and have not been remediated. However, because there has been subsurface exploration on the subject property, the threat of possible groundwater contamination from offsite locations has, in effect, already been explored. In addition, it should be pointed out that the information regarding these reports reflects report status; often times the sites have actually been cleaned up but the paperwork shortfall keeps the files open. Nearby sites are individually analyzed in the "Findings" section.

### Historical Analysis

The 1900/2300 block of East 11th Street was unimproved creek delta until 1947 when Sound Battery was built at 2310. The subject parcel appears to have been raised to its existing elevation with fill from nearby dredging operations in the tideflats. The initial development on the subject property appears to be Washington Steel, circa 1948. Partial Brown & Haley occupation & operation began in 1964 and continues to present. Current owner Robert Shea stated that the site was initially purchased by Leo Gallagher, his grandfather, in 1939.

Historical analysis has identified contamination directly on the subject property and on immediately adjacent property @ 1132 Thorne Road. Apparently, a historic (non-recurring) source of the solvent perchloroethylene (PCE) has contaminated the subject property. A plume of PCE and attenuated by products, including Trichloroethene, Vinyl Chloride and Dichloroethene extends northwards from adjacent Shaub-Ellison (1132 Thorne Road) onto the subject property and is believed to extend under the building as well.

Prior reports also document the successful removal of a 6000-gallon heating oil tank and associated petroleum-contaminated soils (PCS) from the southwestern corner of the subject building between 1999 and 2001.

#### Conclusions & Recommendations

Subsurface environmental investigation has been performed on the site, identifying existing contamination. Borings and groundwater monitoring wells have been installed on the southeastern perimeter and on the western perimeter. Although the contaminant plume has not been precisely delineated, the rough bounds can be estimated from existing data. Additional exploration would not likely be cost effective. The source appears to be from adjacent property, not from Brown & Haley occupation.

Recommendations for immediate response actions relate to the asbestos situation. There are several locations where asbestos-containing lagging on the overhead pipe runs have physical damage. This situation poses a fiber release potential; damaged areas should be repaired as soon as possible.

It should also be noted that this report is not a definitive guarantee that no unidentified pollutants currently exist on the property nor that an unspecified imminent contamination potential does not exist. However, based on the data analyzed, the likelihood of unforeseen contamination or the potential for major future contamination from unidentified sources appears remote.

Conclusions and recommendations prescribed by this analysis are predicated upon visual inspection, limited laboratory analysis, the prior analyses of others, and the interview responses from involved parties. Interpretation of these elements has been performed within and beyond the scope of a level I environmental site assessment. We have followed generally accepted practices for such an assignment.

Walter Pich, the NAI site assessor assigned to this project has the following current/recently active qualifications:

- certified environmental inspector with the Environmental Assessment Association
- California State EPA registered environmental site assessor
- Washington State DOE registered site assessor
- Washington State licensed UST supervisor for decommission, retrofit, and installation
- Accredited lead inspector
- Federally accredited in all AHERA categories

## ATTACHMENTS

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- a) Endorsement page.
- b) Captioned photographs.
- c) 2000 DeLorme Street Atlas showing subject property and vicinity.
- d) 2000 DeLorme Street Atlas showing subject property and street orientation.
- e) Drawing of building footprint with rough dimensions.
- f) 1965 Sanborn Fire Insurance Map.
- g) Enlargement of 1965 Sanborn Fire Insurance Map, highlighting subject property.
- h) DeLorme Township and Range map showing Township 21 North, Range 3 East of the Willamette Meridian.
- i) Pierce County Assessor's website data for PID# 2275200661 – Parcel Summary.
- j) Pierce County Assessor's website data for PID# 2275200661 – Parcel map.
- k) Pierce County Assessor's website data for PID# 2275200661 – Parcel map enlargement x1.
- l) Pierce County Assessor's website data for PID# 2275200661 – Parcel map enlargement x2.
- m) Pierce County Assessor's website data for PID# 2275200661 – Land Characteristics.
- n) Pierce County Assessor's website data for PID# 2275200661 – Building Characteristics.
- o) Pierce County Assessor's website data for PID# 2275200661 – Recent sales activities.
- p) Pierce County website data for PID# 2275200661 – Parcel map.

## ATTACHMENTS

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- q) 1994 historical topographical USGS quadrangle Tacoma North, Washington.
- r) 1981 historical topographical USGS quadrangle Tacoma North, Washington.
- s) 1973 historical topographical USGS quadrangle Tacoma North, Washington.
- t) 1968 historical topographical USGS quadrangle Tacoma North, Washington.
- u) 1961 historical topographical USGS quadrangle Tacoma North, Washington.
- v) 1931 City of Tacoma GovMe site aerial photograph of subject property.
- w) 1946 Walker & Associates Inc aerial photograph taken at 14,000 AGL.
- x) 1950 City of Tacoma GovMe site aerial photograph of subject property.
- y) 1966 Washington State Department of Transportation aerial photograph taken at 20,000 feet Above Ground Level (AGL).
- z) 1982 Washington State Department of Transportation aerial photograph taken at 20,000 feet Above Ground Level (AGL).
- aa) 1989 Washington State Department of Natural Resources aerial photograph taken at 12,000 feet Above Ground Level (AGL).
- bb) 1995 Washington State Department of Natural Resources aerial photograph taken at 12,000 feet Above Ground Level (AGL).
- cc) 2003 Washington State Department of Transportation aerial photograph taken at 24,000 feet Above Ground Level (AGL).
- dd) 2006 Google Earth aerial of subject property.
- ee) 1884 Washington territorial map of Township 21 North, Range 3 East of the Willamette Meridian.
- ff) 1888 Anderson historic Pierce County map of Township 21 North Range 3 East.

## ATTACHMENTS

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- gg) 1910 Nicholson historic Pierce County map of Township 21 North Range 3 East.
- hh) 1915 Kroll historic Pierce County map of Township 21 North Range 3 East.
- ii) 1924 Kroll historic Pierce County map of Township 21 North Range 3 East.
- jj) 1930 Metsker historic Pierce County map of Township 21 North Range 3 East.
- kk) 1941 Metsker historic Pierce County map of Township 21 North Range 3 East.
- ll) 1951 Metsker historic Pierce County map of Township 21 North Range 3 East.
- mm) 1965 Metsker historic Pierce County map of Township 21 North Range 3 East.
- nn) Site sketch showing locations of asbestos and lead-based paint sampling.
- oo) Asbestos laboratory report.
- pp) Asbestos Chain of Custody.
- qq) Orion paint chip laboratory analysis.
- rr) LBP chain of custody.
- ss) US EPA radon data for Washington State – Puget Sound region.
- tt) US EPA Bulletin 17 - "PCB Fluorescent Light Ballast Disposal."
- uu) EDR Radius Map with GeoCheck Site Assessment Report documenting all registered listings from eleven Washington State Department of Ecology files and thirty US Environmental Protection Agency files, scanned, tabulated, and plotted to conform with the ASTM standards for a Level I Environmental Site Assessment. Summary pages, detail pages and locator maps are enclosed.

## INTERVIEWS

In an effort to determine the status of the subject property and the environmental status of the general surrounding area I met with, and/or interviewed governmental officials, industry personnel and private parties. The following key people contributed relevant information:



**AGENCY** Tacoma Fire Department  
Fire Marshall's Office

**MAILING  
ADDRESS** 3471 South 35th Street  
Tacoma, WA 98409

**PHONE** (253) 591-5740

**INTERVIEW DATE** February 8<sup>th</sup>, 2006

**PERSON** Lee Britt

**TITLE** Fire Marshall

**SUMMARY OF COMMENTS**

Mr. Britt is not aware of any environmental problems at 1940 East 11th Street or in the immediate vicinity. He researched the department files and found no entries listed in the records/data bases.

AGENCY Washington State Department of Ecology  
DOE - SW Regional Office

MAILING ADDRESS PO Box 47774  
Olympia, WA 98504

PHONE (360) 407-6365

INTERVIEW DATE February 1<sup>st</sup>, 2006

PERSON Leslie Koziara

TITLE Records/Files Department Supervisor

#### SUMMARY OF COMMENTS

Ms. Koziara searched the records department for files on the subject property. No files were identified for 1940 East 11<sup>th</sup> Street.

AGENCY Tacoma/Pierce County Health Department

MAILING ADDRESS 3629 South "D" Street  
Tacoma, WA 98418

PHONE (253) 798-2855

INTERVIEW DATE January 25th, February 1<sup>st</sup>, 2006

PERSON Rob Olson

TITLE Site Hazard Assessment & UST Manager

#### SUMMARY OF COMMENTS

Mr. Olson is not aware of any environmental problems on the subject property. He researched the property in question, finding three files on the site. All three files indicate that the site has been successfully cleaned up and a, "No Further Action" decree has been issued by TPCHD.

AGENCY Sound Mattress & Felt Company Inc.

MAILING ADDRESS 633 N Mildred, #F#  
Tacoma, WA 98406

PHONE (253) 460-7456 – office  
(253) 732-2177 - cellular

INTERVIEW DATE February 1<sup>st</sup>, 2006

PERSON Robert T. Shea

TITLE Company owner

#### SUMMARY OF COMMENTS

Mr. Shea provided the following information on the subject property:

- site was used by Brown & Haley since 1964
- site was purchased in 1936 by his grandfather Leo Gallagher – from Echo Products
- no hazardous materials are currently stored or used on the premises
- the only UST known on the site was removed and the associated contamination was cleaned up; NFA issued by DOE & TPCHD
- there are 4 monitoring wells between Shaub/Ellison and the subject property to test GW for PCE—there is known contamination on the subject property, assumed from the Shaub/Ellison site
- the original boilers (south side boiler room) were abandoned in 1964
- the secondary boiler (west boiler room) was switched from oil to natural gas when the UST was removed

Shea Interview  
(continued)  
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- no known history of additional UST's
- no known dry wells on site
- no other environmental issues known
- no storage of any toxic materials
- site has been occupied by numerous tenants including, Pacific Grain, Weyerhaeuser, Washington Steel and others
- asbestos had previously been identified in the building
- no lead testing has been performed

# **LIMITED SCOPE ASBESTOS INSPECTION**

## **Brown & Haley - Tacoma, WA for property transfer - (not pre-demolition)**

**PROJECT:** Limited Scope Asbestos Inspection

**LOCATION:** 1940 East 11th Street  
Tacoma, Washington 98421

**CLIENT:** Port of Tacoma  
PO Box 1837  
Tacoma, WA 98401

**CONTACT:** Suzanne Dudziak (253) 383-5841 - office phone  
(253) 428-8679 - fax

**PROJECT DESCRIPTION:** Identify and quantify only exposed asbestos-containing materials (ACM's). No destructive sampling permitted.

**SUMMARY:** There is asbestos in the jacket of the abandoned boilers, pipe lagging on the old steam supply & return lines, 9-inch floor tiles, tile mastic, cove mastic and sheet vinyl.

**BUILDING DESCRIPTION:** The facility is a large warehouse complex that was constructed in phases. It is an integrated conglomeration of four high-bay warehouses occupying 112,000 square feet. It is a combination of masonry and wood framing over a concrete slab floor. Apparently the facility was completed by 1964 when the original boiler was abandoned and the new boiler was added to the western side of the building. There is also office space on the northwestern end fronting East 11<sup>th</sup> Street. The office space extends along the first and partial second level of the northwestern side of the complex. The vast majority of interior space is devoted to warehousing/shipping candy confections.

Mechanically, the building was originally heated with tandem, oil-fired, steam boilers supplying a system of overhead unit ventilators and return

water system. The overhead supply and return lines are insulated with asbestos-containing material. It has been partially abated. There is partial interior insulation, comprised primarily of fiberglass batts and blankets.

#### INSPECTION

DATE: On February 2<sup>nd</sup>, 2006 I inspected the building for asbestos-containing materials as part of a Level I Environmental Site Assessment for property transfer.

#### INSPECTOR ENDORSEMENT

\_\_\_\_\_  
Walter C. Pich

#### PROJECT REVIEW

\_\_\_\_\_  
*Alan Olson*  
Alan Olson

#### SAMPLES

EXTRACTED: 16 bulk asbestos samples were extracted from the building.

#### ANALYSIS

METHOD: Polarized Light Microscopy

#### PARAMETERS:

Puget Sound Clean Air Authority (PSCAA) Washington State Department of Labor & Industries (L&I) regulations require an inspection of all buildings for the presence of asbestos-containing materials prior to renovation and demolition. This inspection or survey is designed to facilitate property transfer only. Asbestos-containing materials (ACM's) are defined as those building materials containing one percent or more of asbestos as verified by laboratory analysis. All building materials fabricated prior to 1980 are assumed to contain asbestos unless proven otherwise by a licensed building inspector.

Asbestos-containing materials are sub-divided into three types: (1) surfacing materials, (2) thermal system insulation and (3) miscellaneous materials. Surfacing materials are defined as those materials that are sprayed-on, trowelled-on, or otherwise applied to surfaces including, but not limited to lath & plaster, acoustical plaster on ceilings, paints, fireproofing materials on structural members, or other materials on

surfaces for decorative purposes. Thermal system insulation is defined as material applied to pipes, fittings, boilers, tanks, ducts, or other structural components to prevent heat loss or gain. All other materials are considered to be miscellaneous materials.

### Surfacing Materials

One suspect surfacing material was identified in the building. This is the plaster on the ceiling of the candy making room. One sample was extracted and analyzed. It tested non-detect for asbestos.

### Thermal System Insulation (TSI)

Several suspect asbestos-containing thermal system insulating materials were identified. The jacketing on the abandoned boilers and the lagging on the associated supply and return steam lines are asbestos-containing materials. Four samples were extracted with the following results:

Boiler jacketing (asbestos)	400 square feet
Steam line lagging straight runs & lagging (asbestos)	3840 lineal feet

The only TSI sample that tested non-detect for asbestos was extracted from an MJF on an abandoned pipe run in the boiler room.

### Miscellaneous Materials

Eleven suspect miscellaneous materials were sampled for asbestos. These materials are:

-gypsum wallboard composite	(1)
-suspended acoustic ceiling tile	(1)
-flush-mount ceiling tile	(2)
-9-inch vinyl tile squares	(4)
-12-inch vinyl tile squares	(1)
-cove mastic (shipping)	(1)
-sheet vinyl floor covering material	(1)

Miscellaneous materials that were found to contain asbestos include floor tiles, tile mastic and cove mastic. Two of the four 9-inch floor tiles contain asbestos and four of the five floor tiles have asbestos-containing mastic. As a result of the tile/mastic relationship, all floor tiles in the



building should be considered asbestos-containing. All other miscellaneous materials tested non-detect for asbestos.

### Recommendations

None of the asbestos-containing materials have to be removed unless the building is remodeled or demolished. Several of the 8-inch diameter steam lines in the warehouse bays have been damaged and need to be repaired or removed as soon as possible. None of the other identified asbestos-containing materials pose an imminent health threat to building occupants in present condition.

### Limitations

During building demolition or remodeling it is possible that additional suspect asbestos-containing materials may be discovered within wall, floor or ceiling cavities, or other areas not accessible at the time of the survey. Should such suspect materials be discovered, an AHERA-certified building inspector should sample and test the materials. Nowicki Environmental Inc is not responsible for identification of hidden materials that are not identifiable with reasonable diligence.

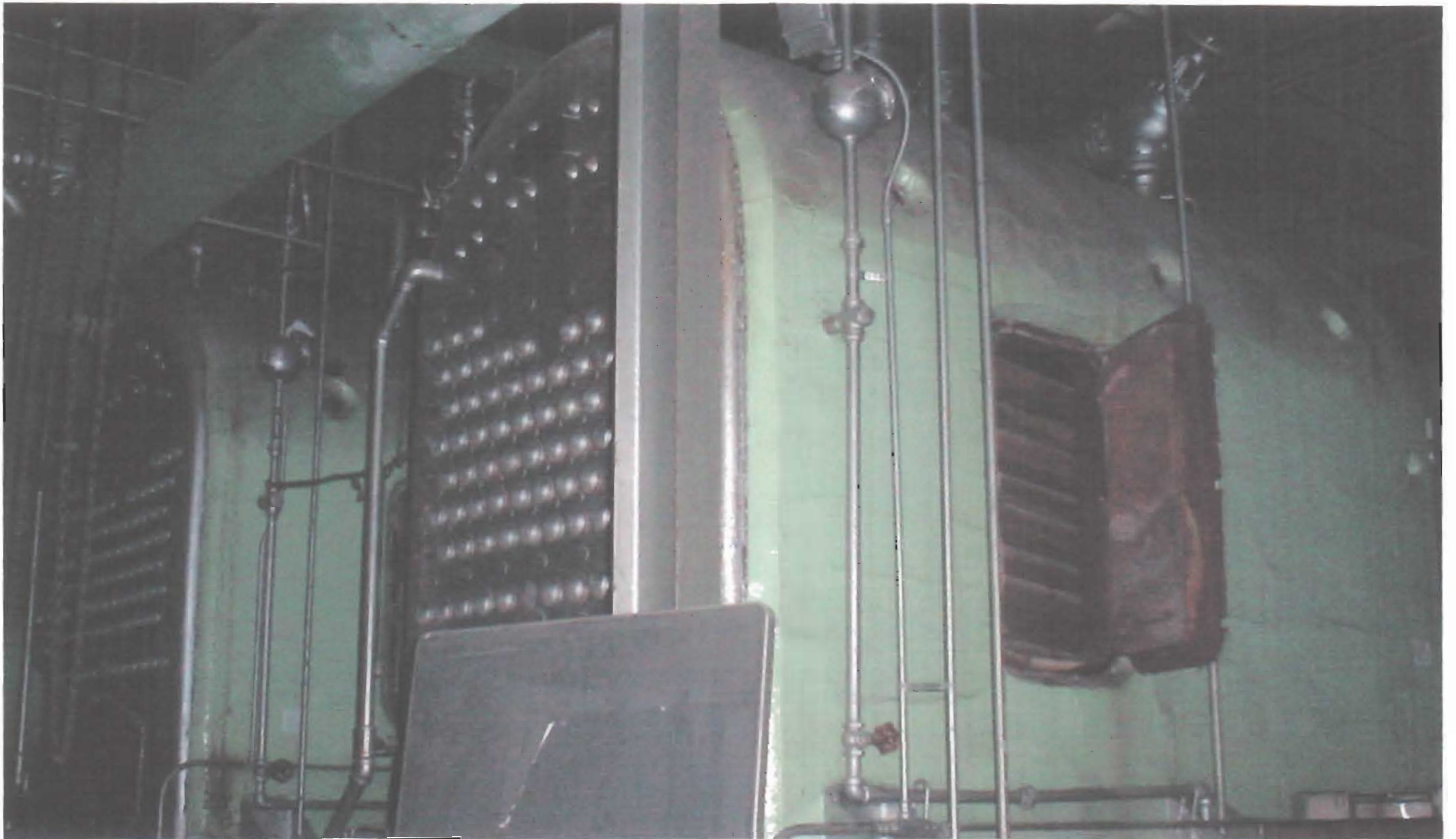
Attachments: -asbestos chain of custody with sample log  
-bulk asbestos material analysis (lab report)  
-line drawings showing locations of sample extraction  
-inspector certificate



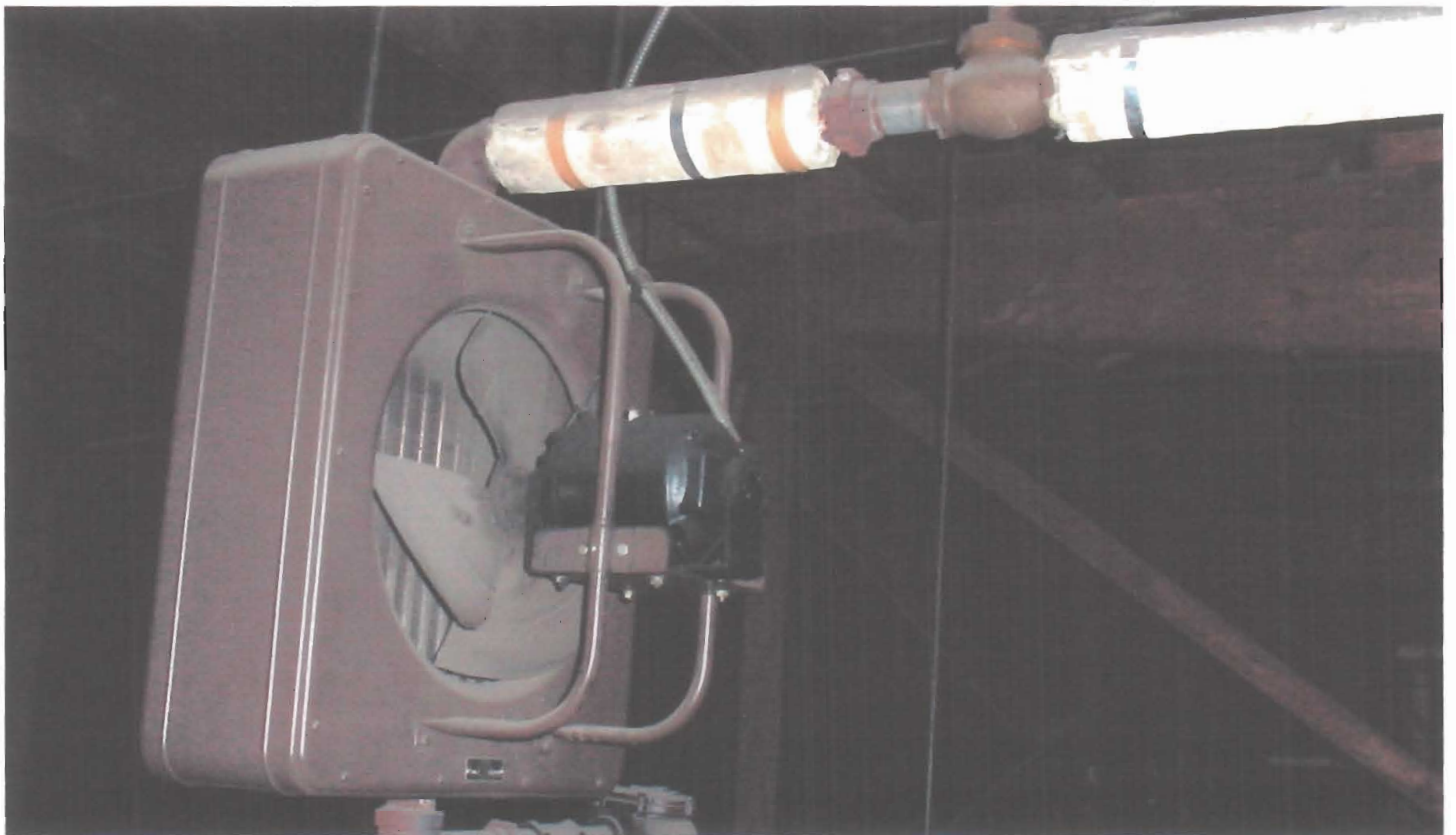
Brown & Haley @ 1940 East 11th Street.



Typical office floor covering - 9-inch VAT.

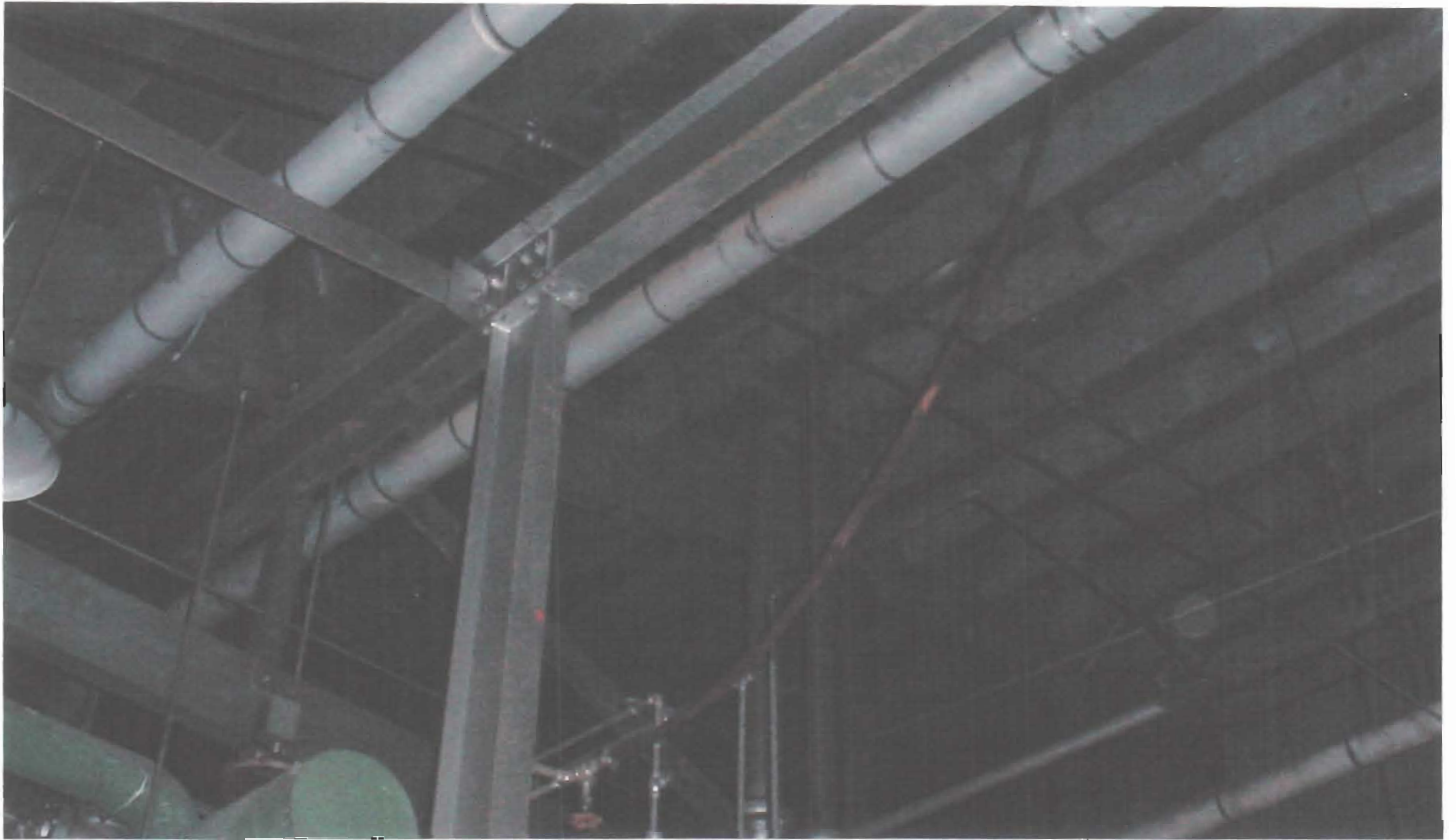


One of the two large steam boilers (abandoned).

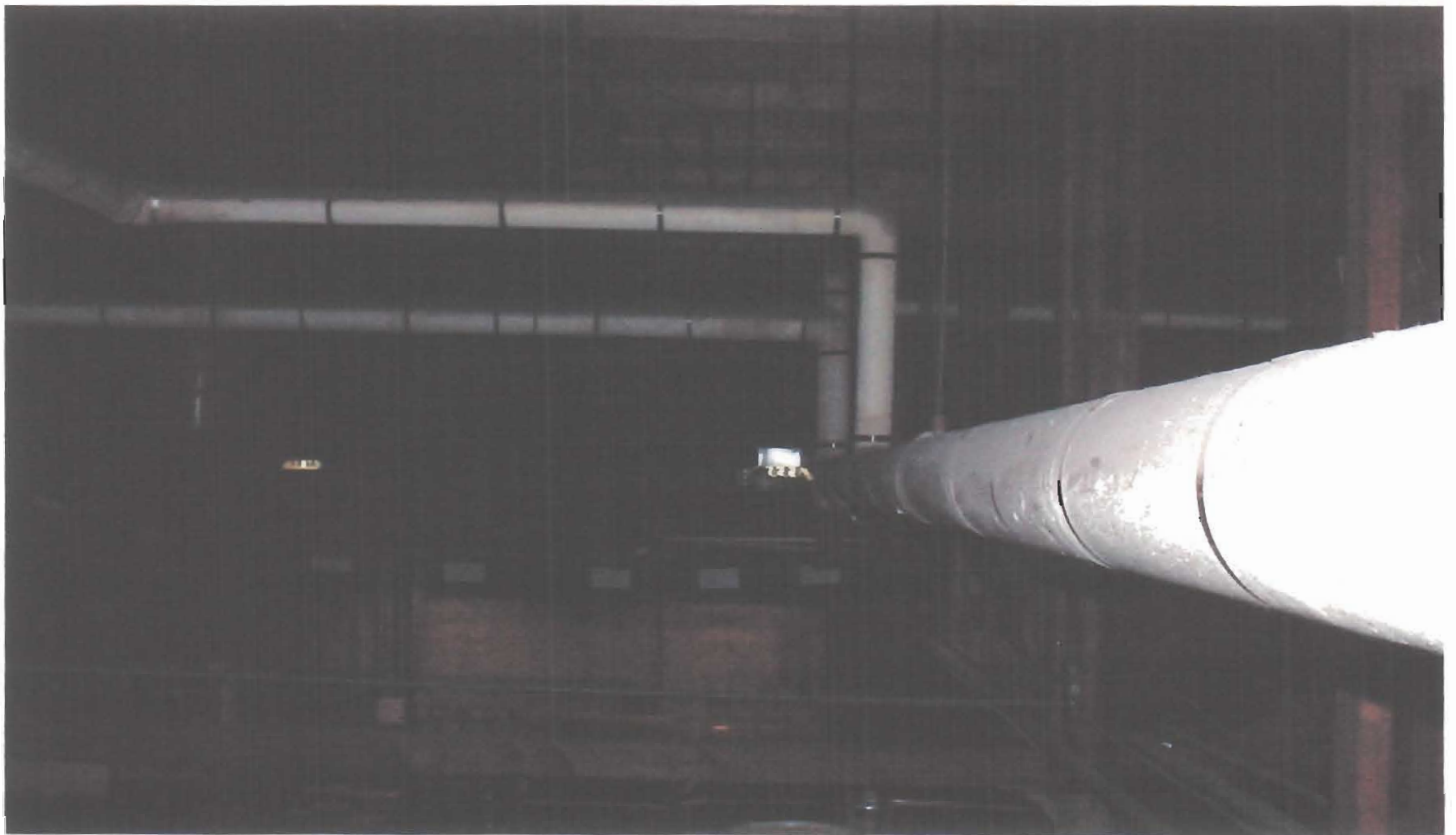


Typical unit ventilator in warehouse bay.

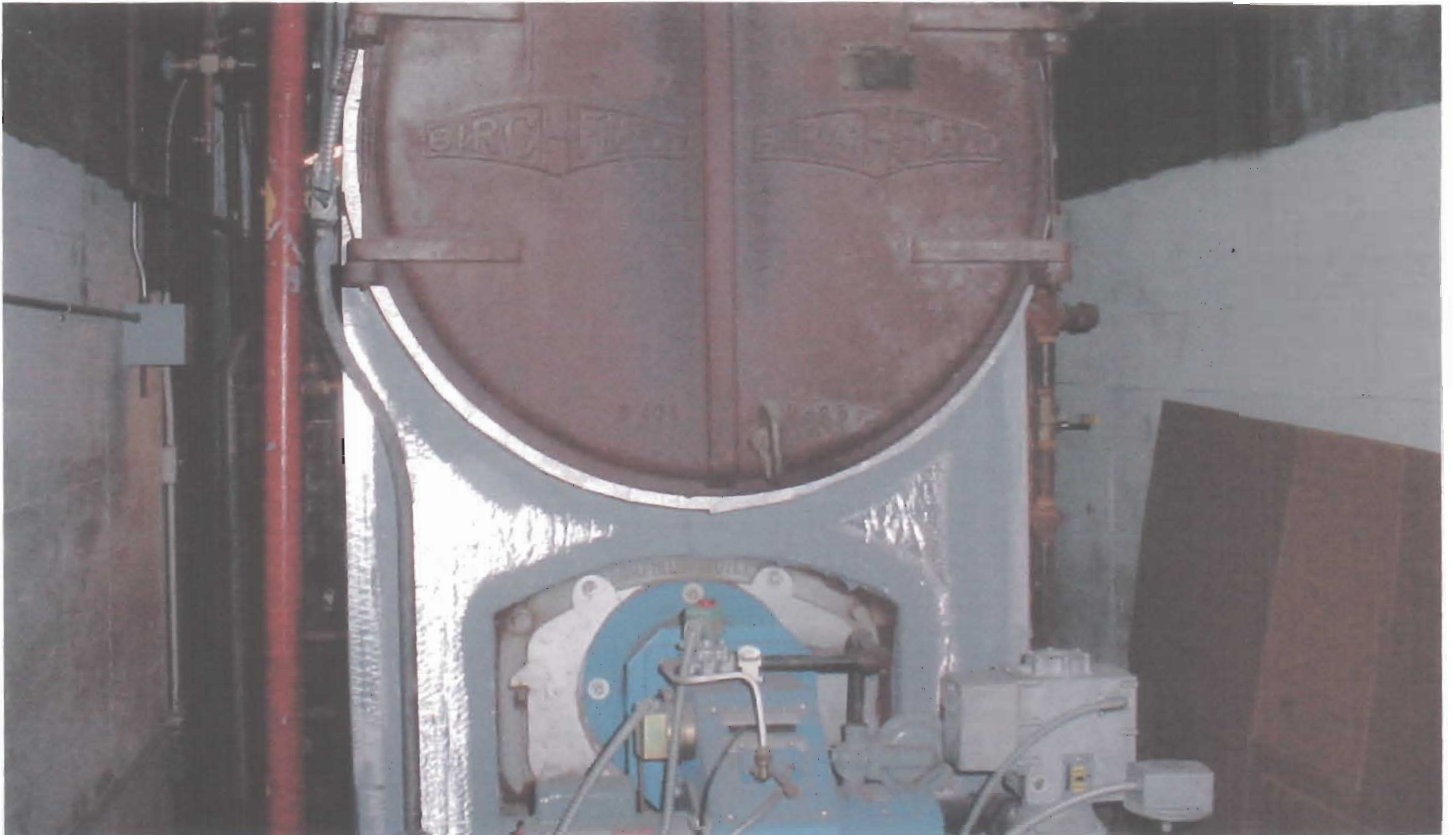




Steam distribution lines from boilers.



Overhead steam lines in warehouse bay.



New natural gas fired boiler on west end of building.



New roof-mounted air handling unit in place.





Central portion of roof, looking southwest.



Central portion of roof, looking northeast.





Shaub-Ellison facility behind subject property.



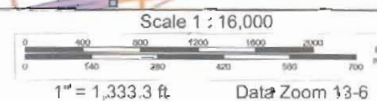
Portion of subject property where PCE contamination has been identified.



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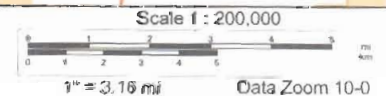




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NORTH

SCALE 1" = 100'

EXISTING RAILROAD TRACKS

EAST 11th. STREET

260'

346'

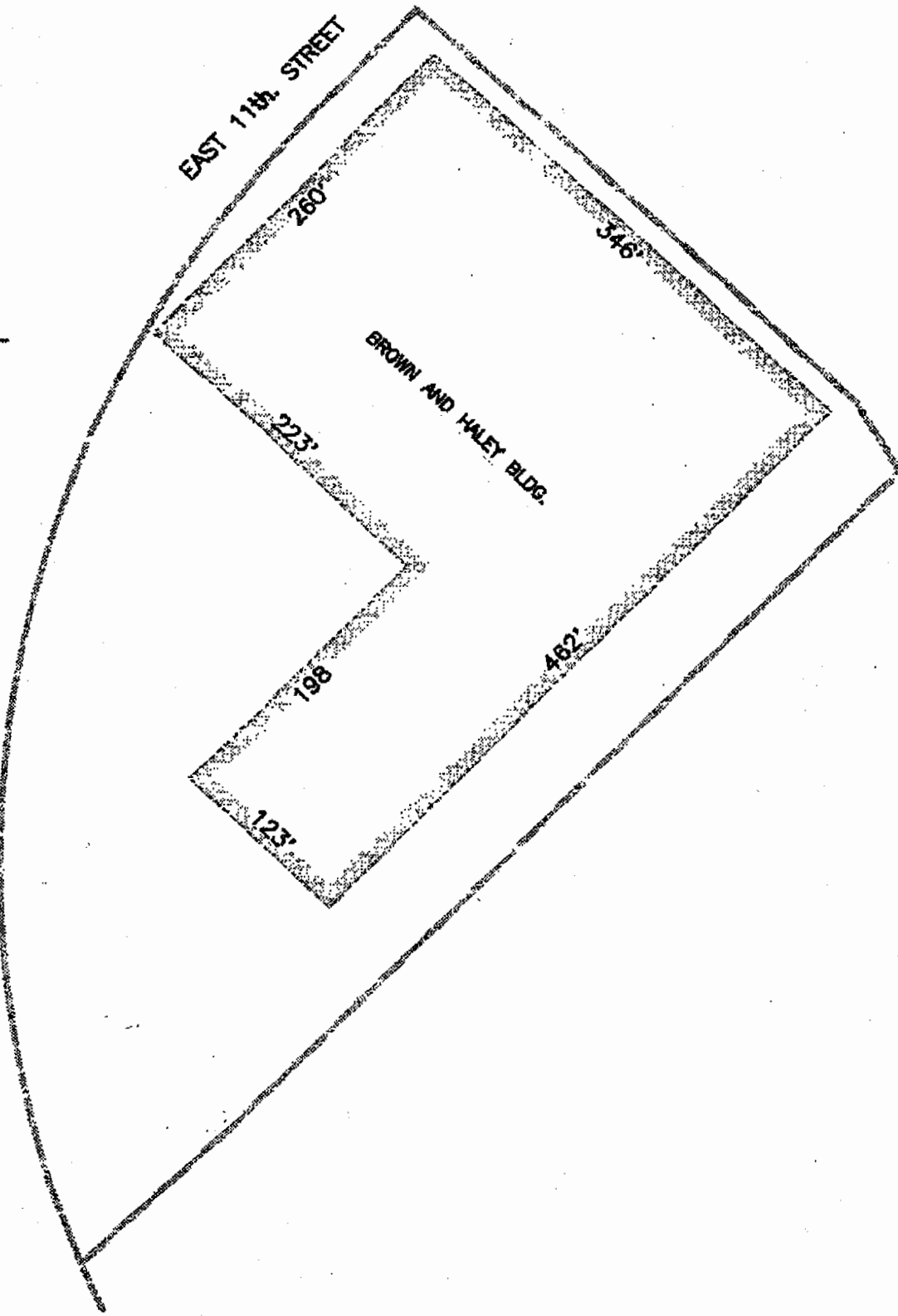
BROWN AND HALEY BLDG.

223'

482'

198'

123'





EDR® Environmental  
Data Resources Inc

"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Walt Pich  
Nowicki Env. Services Inc  
33516 9th Avenue South  
Federal Way, WA 98003

**Order Date:** 1/26/2006 **Completion Date:** 1/27/2006

**Inquiry #:** 1601090.3S

**P.O. #:** Port of Tacoma

**Site Name:** Brown & Haley

**Address:** 1940 East 11th Street

**City/State:** Tacoma, WA 98421

**Cross Streets:**

**Customer Project:** Port of Tacoma  
6017585BRU 253-927-5233

Based on client-supplied information, fire insurance maps for the following years were identified

1965 - 1 Map

**Limited Permission to Photocopy**

**Total Maps: 1**

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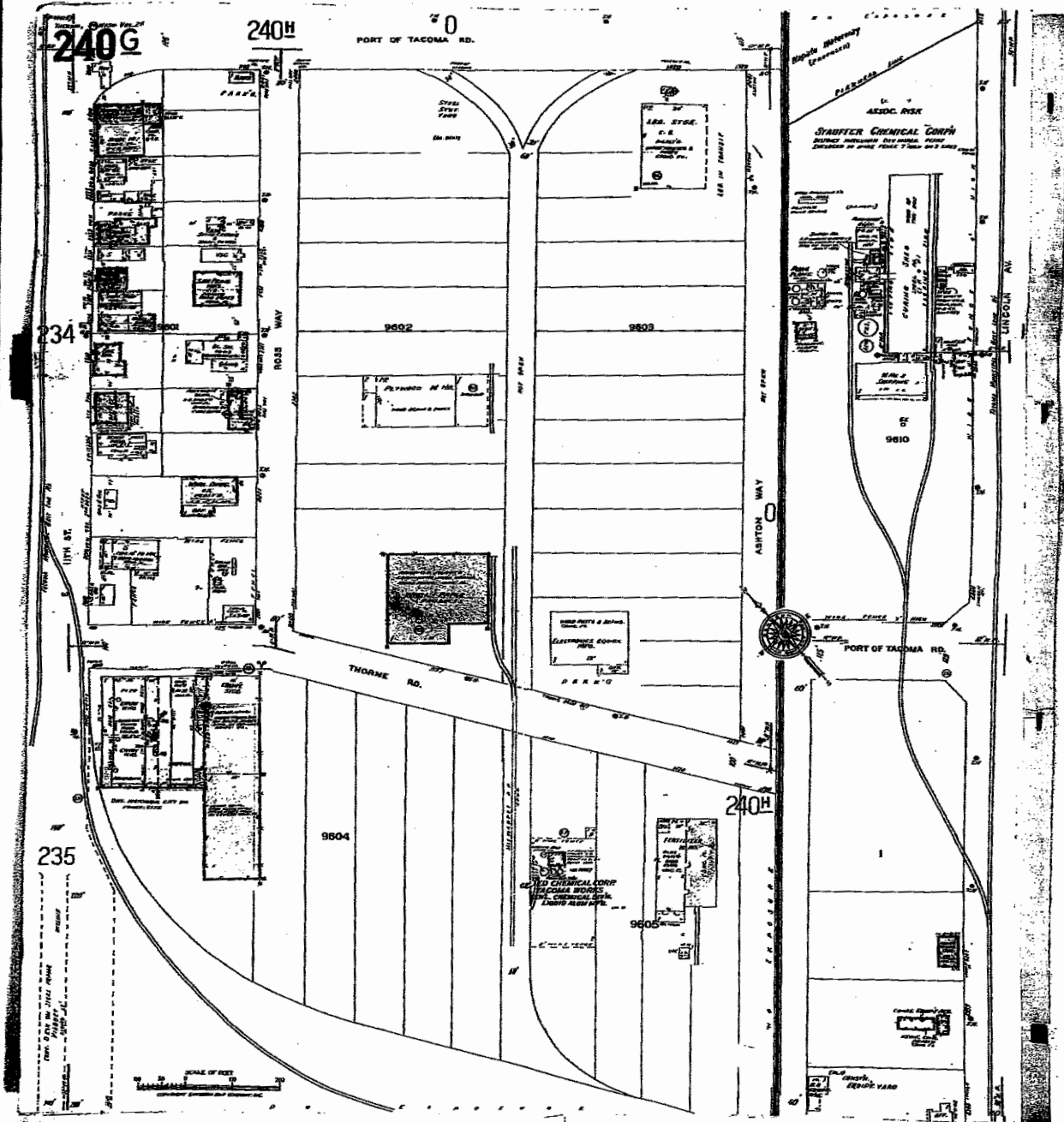
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Year 20th Anniversary Edition

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9604

235

200.

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5765  
EX-107

REAR CONC.  
WOOD TRAYS &  
ON PLAS-STEEL  
CARS IN CHRYSLER  
CONC. ST.

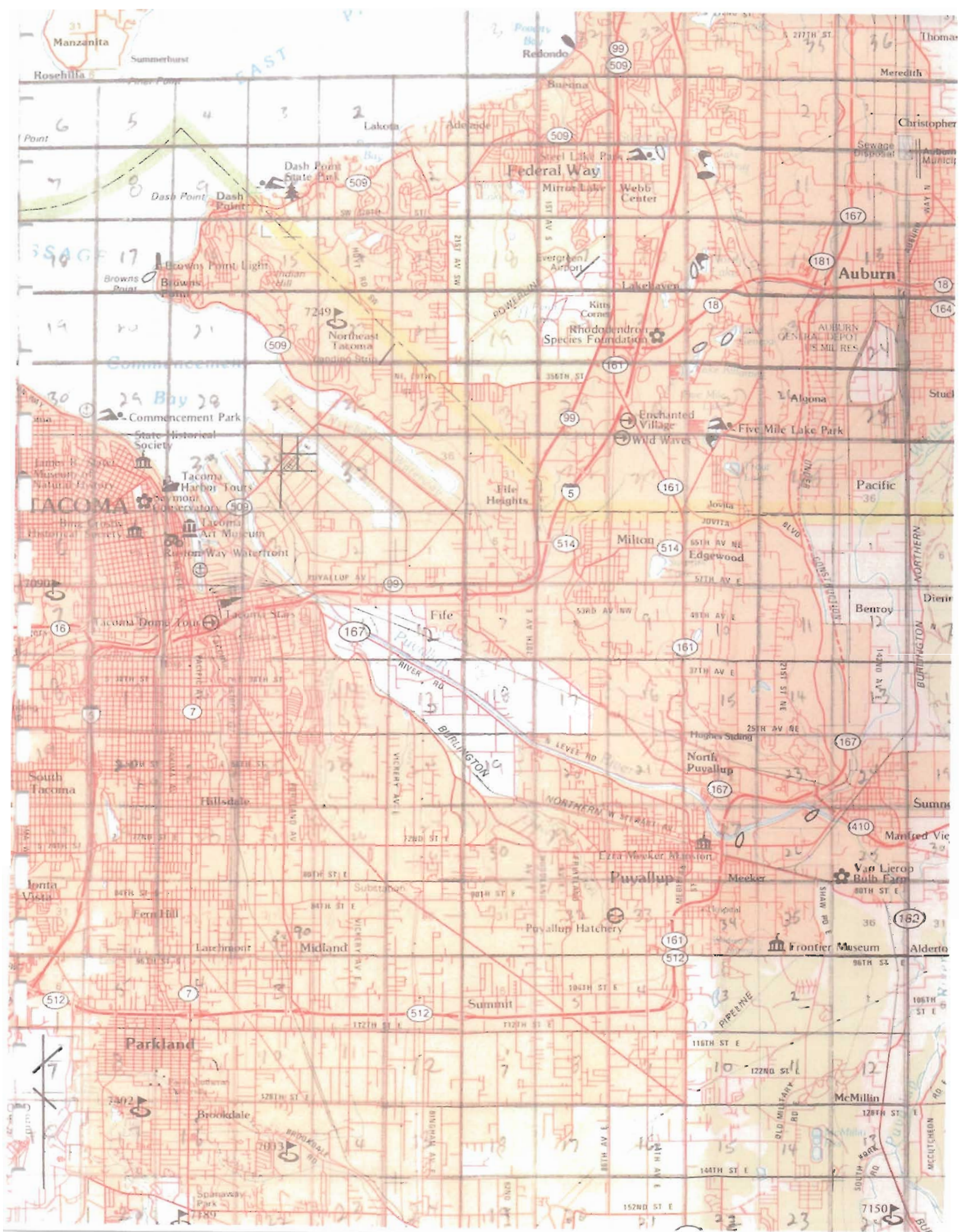
**DIS. WATCHMAN. CITY WA  
POWER: ELEC**



2 18 44 0051

11-11-64  
11-11-64  
11-11-64









Pierce County Assessor-Treasurer  
electronic Property  
Information Profile (e-PIP)



Ken Madsen  
Assessor-T

Pierce County Home Assessor-Treasurer Home Parcel Search Sales Search Recorded Documents Permit  
Summary Taxes/Values Land Buildings Sales Map

## Parcel Summary for 2275200661

01/30/

### Taxpayer Details

**Taxpayer Name:** SOUND MATTRESS & FELT CO  
**Mailing Address:** 633 N MILDRED ST STE F3  
TACOMA WA 98406-1725

### Property Details

**Parcel Number:** 2275200661  
**Site Address:** 1940 E 11TH ST  
**Account Type:** Real Property  
**Category:** Land and Improvements  
**Use Code:** 5100-WHOLESALE TRADE

### Appraisal Details

**Value Area:** PI Year 1  
**Appr Acct Type:** Industrial  
**Business Name:** BROWN & HALEY

### Tax/Assessment

**Current Tax Year:** 2006  
**Taxable Value:** 2,779,300  
**Assessed Value:** 2,779,300

### Related Parcels

**Group Account Number:** n/a  
**Mobile/MFG Home and Personal Property** n/a  
parcel(s) located on this parcel:  
**Real parcel on which this parcel is located:** n/a

### Tax Description

Section 34 Township 21 Range 03 Quarter 31 ASHTONS RPT BLKS 13-48 TAC TDLDS: ASHTONS RPT BLKS 13-48 TAC PARCEL "A" DBLR 92-05-01-0143 DESC AS FOLL COM ON SELY LI OF E 11TH ST AT COR COMMON TO BLKS 18 & 19 DESIGNATED ON REPLAT OF BLKS 12 TO 48 TAC TDLDS KING CO ANNEX KNOWN AS ASHTONS REPLAT WH PLAT WA REC IN AUDITOR OF SAME CO 12-23-81 IN 34-21-03E TH S 42 DEG 44 MIN 24 SEC W ALG SD SELY LI OF SD E 11TH OF 1140 FT TH AT R/A TO SD E 11TH ST S 47 DEG 15 MIN 36 SEC E A DIST OF 4 FT TH S 42 DEG 44 MIN 24 SEC & I 11TH ST 80.43 FT TO POB TH S 47 DEG 15 MIN 24 SEC E ALG SLY MARG LI OF THORNE RD 379.7 FT TH S 32 DEG 21 E ALG SD S LI 54.74 FT TO NW COR OF S P 84-08-01-0150 TH S 42 DEG 44 MIN 24 SEC W ALG WLY LI OF SD S P 74 PT ON A CURV SD PT BEING ON MUNICIPAL BELT RR R/W APPROPRIATED BY CY OF TAC CAUSE #90752 SD PT ON C BACK TANG BEARING S 23 DEG 54 MIN 14 SEC E TH NELY ALG SD C TO R HAV A CENT ANG OF 66 DEG 38 MIN 38 S 716.78 FT AN ARC DIST OF 833.73 FT TH N 42 DEG 44 MIN 24 SEC E PAR/W SD E 11TH ST 98.23 FT TO POB APPROX FT OUT OF 660-0, 660-1 & 696500051-3 SEG E-0231SG 10/21/92

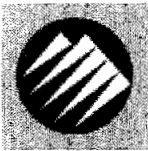
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### Pierce County Assessor-Treasurer

Ken Madsen

2401 South 35th St Room 142  
Tacoma, Washington 98409  
(253)798-6111 or Fax (253)798-3142  
[www.piercecountywa.org/atr](http://www.piercecountywa.org/atr)

(c) 2006 Pierce County Assessor-Treasurer



Pierce County Assessor-Treasurer  
electronic Property  
Information Profile (e-PIP)



Ken Madsen  
Assessor-Treasurer

[Pierce County Home](#) [Assessor-Treasurer Home](#) [Parcel Search](#) [Sales Search](#) [Recorded Documents](#) [Permit Summary](#) [Taxes/Values](#) [Land](#) [Buildings](#) [Sales](#) [Map](#)

### Parcel Map for 2275200661

01/31/

Taxpayer Details	Property Details
<b>Taxpayer Name:</b> SOUND MATTRESS & FELT CO	<b>Parcel Number:</b> 2275200661
<b>Mailing Address:</b> 633 N MILDRED ST STE F3 TACOMA WA 98406-1725	<b>Site Address:</b> 1940 E 11TH ST
	<b>Account Type:</b> Real Property
	<b>Category:</b> Land and Improvements
	<b>Use Code:</b> 5100-WHOLESALE TRADE

Zoom Level:  [Zoom](#)

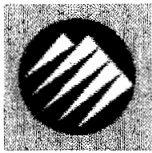
N

For additional mapping options,  
visit [Map Your Way](#)

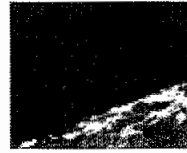
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Pierce County Assessor-Treasurer  
Ken Madsen  
2401 South 35th St Room 142  
Tacoma, Washington 98409





# Pierce County Assessor-Treasurer electronic Property Information Profile (e-PIP)



## Ken Mad: Assessor-T

[Pierce County Home](#) [Assessor-Treasurer Home](#) [Parcel Search](#) [Sales Search](#) [Recorded Documents](#) [Permit](#)  
[Summary](#) [Taxes/Values](#) [Land](#) [Buildings](#) [Sales](#) [Map](#)

## Parcel Map for 2275200661

01/31/

Taxpayer Details		Property Details	
<b>Taxpayer Name:</b>	SOUND MATTRESS & FELT CO	<b>Parcel Number:</b>	2275200661
<b>Mailing Address:</b>	633 N MILDRED ST STE F3 TACOMA WA 98406-1725	<b>Site Address:</b>	1940 E 11TH ST
		<b>Account Type:</b>	Real Property
		<b>Category:</b>	Land and Improvements
		<b>Use Code:</b>	5100-WHOLESALE TRADE

Zoom Level: 3

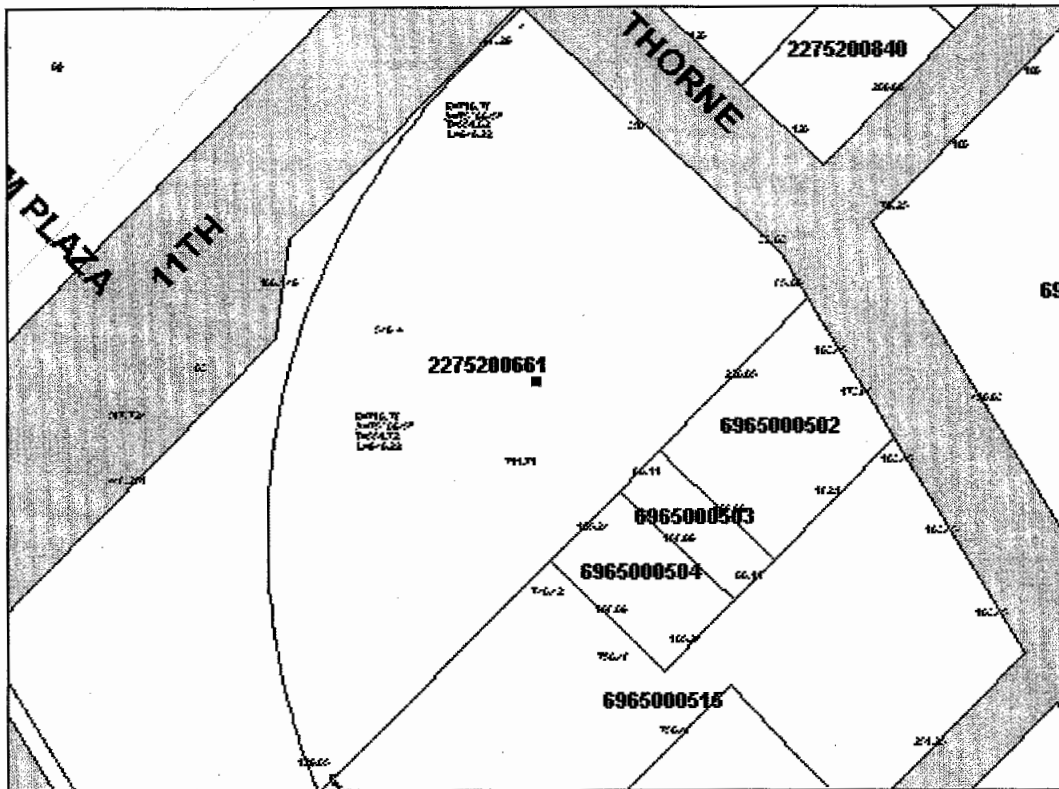
Zoom

N

For additional mapping options,  
visit [Map Your Way](#)

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**Pierce County Assessor-Treasurer**  
**Ken Madsen**  
2401 South 35th St Room 142  
Tacoma, Washington 98409





Pierce County Assessor-Treasurer  
electronic Property  
Information Profile (e-PIP)



Ken Madsen  
Assessor-T

Pierce County Home Assessor-Treasurer Home Parcel Search Sales Search Recorded Documents Permit  
Summary Taxes/Values Land Buildings Sales Map

## Land Characteristics for 2275200661

01/30/

<b>Taxpayer Details</b>		<b>Property Details</b>	
<b>Taxpayer Name:</b>	SOUND MATTRESS & FELT CO	<b>Parcel Number:</b>	2275200661
<b>Mailing Address:</b>	633 N MILDRED ST STE F3 TACOMA WA 98406-1725	<b>Site Address:</b>	1940 E 11TH ST
		<b>Account Type:</b>	Real Property
		<b>Category:</b>	Land and Improvements
		<b>Use Code:</b>	5100-WHOLESALE TRADE
<b>Location:</b>		<b>Size</b>	
<b>LEA:</b>	400	<b>SF:</b>	251,130
<b>RTSQQ:</b>	03-21-34-3-1	<b>Acres:</b>	5.77
		<b>Front Ft:</b>	850
<b>Amenities</b>		<b>Utilities</b>	
<b>WF Type:</b>		<b>Electric:</b>	Power Installed
<b>View Quality:</b>		<b>Sewer:</b>	Sewer/Septic Installed
<b>Street Type:</b>	Paved	<b>Water:</b>	Water Installed

**Warning:** Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Ken Madsen  
Assessor-Treasurer

Pierce County Home Assessor-Treasurer Home Parcel Search Sales Search Recorded Documents Permit  
Summary Taxes/Values Land Buildings Sales Map

## Building Characteristics for 2275200661

01/30/

Taxpayer Details		Property Details	
<b>Taxpayer Name:</b>	SOUND MATTRESS & FELT CO	<b>Parcel Number:</b>	2275200661
<b>Mailing Address:</b>	633 N MILDRED ST STE F3 TACOMA WA 98406-1725	<b>Site Address:</b>	1940 E 11TH ST
		<b>Account Type:</b>	Real Property
		<b>Category:</b>	Land and Improvements
		<b>Use Code:</b>	5100-WHOLESALE TRADE

Construction		Size		Other	
<b>Built-As:</b>	Storage Warehouse	<b>Stories:</b>	1	<b>Property Type:</b>	Indust
<b>Condition:</b>	Average	<b>SF:</b>	112,280	<b>Neighborhood:</b>	8
<b>Quality:</b>	Average	<b>Fin Attic SF:</b>		<b>Occupancy:</b>	Gen W 20,000
<b>Exterior:</b>		<b>Total Bsmnt SF:</b>		<b>Bedrooms:</b>	
<b>Class:</b>	Masonry	<b>Fin Bsmnt SF:</b>		<b>Bathrooms:</b>	
<b>Roof:</b>		<b>Garage SF:</b>		<b>Fireplaces:</b>	
<b>HVAC:</b>	None	<b>Det Garage SF:</b>		<b>Net SF:</b>	112,280
<b>Year Built:</b>	1960	<b>Bsmnt Gar Door:</b>		<b>Sprinkler SF:</b>	112,280
<b>Adj Year Built:</b>	1960			<b>Units:</b>	1

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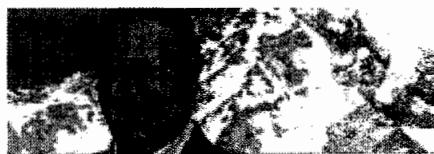
**Pierce County Assessor-Treasurer  
Ken Madsen**

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Tacoma, Washington 98409  
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Assessor-T

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## Recent Sales Activity for 2275200661

01/30/

### Taxpayer Details

**Taxpayer Name:** SOUND MATTRESS & FELT CO  
**Mailing Address:** 633 N MILDRED ST STE F3  
TACOMA WA 98406-1725

### Property Details

**Parcel Number:** 2275200661  
**Site Address:** 1940 E 11TH ST  
**Account Type:** Real Property  
**Category:** Land and Improvements  
**Use Code:** 5100-WHOLESALE TRADE

### Sales

Sales from 1997 to date are displayed here. However, the sales listed on this site are not complete and do not include transfer types. Recorded documents, accessed by name and date, are available on the [Pierce County Auditor's web site](#)

### No sales found on this parcel

Sales history records current through 5/16/2003 are available on CD. These records were maintained as general information regarding property transfer for tax purposes only and are not an official record of sales transactions. A public records and the cost to copy of \$66.10 are required to obtain the records on CD. You may return the signed form and payment in person to the Assessor-Treasurer's Office at the address listed below.

For additional information on this issue, contact the Pierce County Assessor-Treasurer's Office Records Manager at 25

### Comparable Sales

Search for sales with characteristics comparable to this property.

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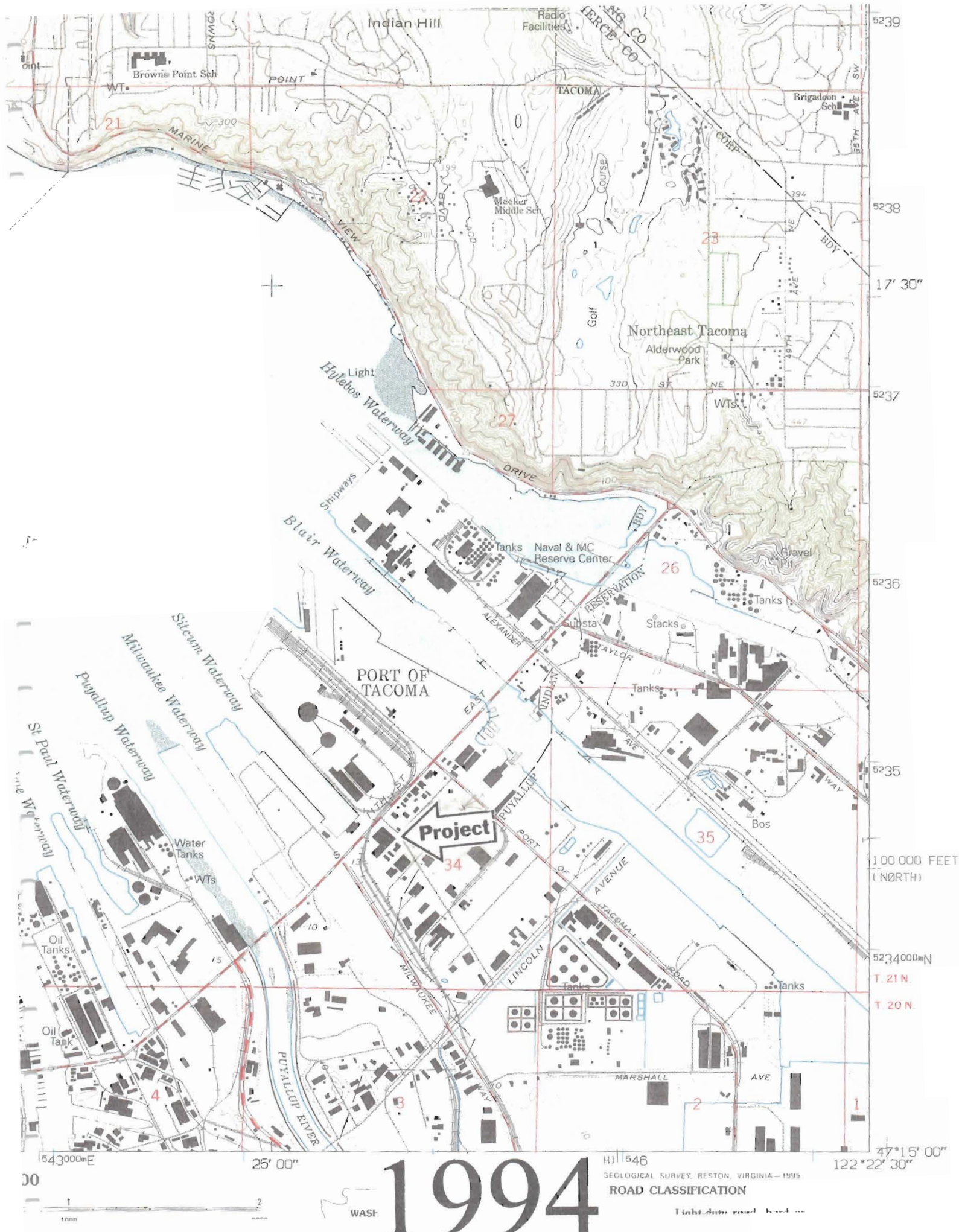
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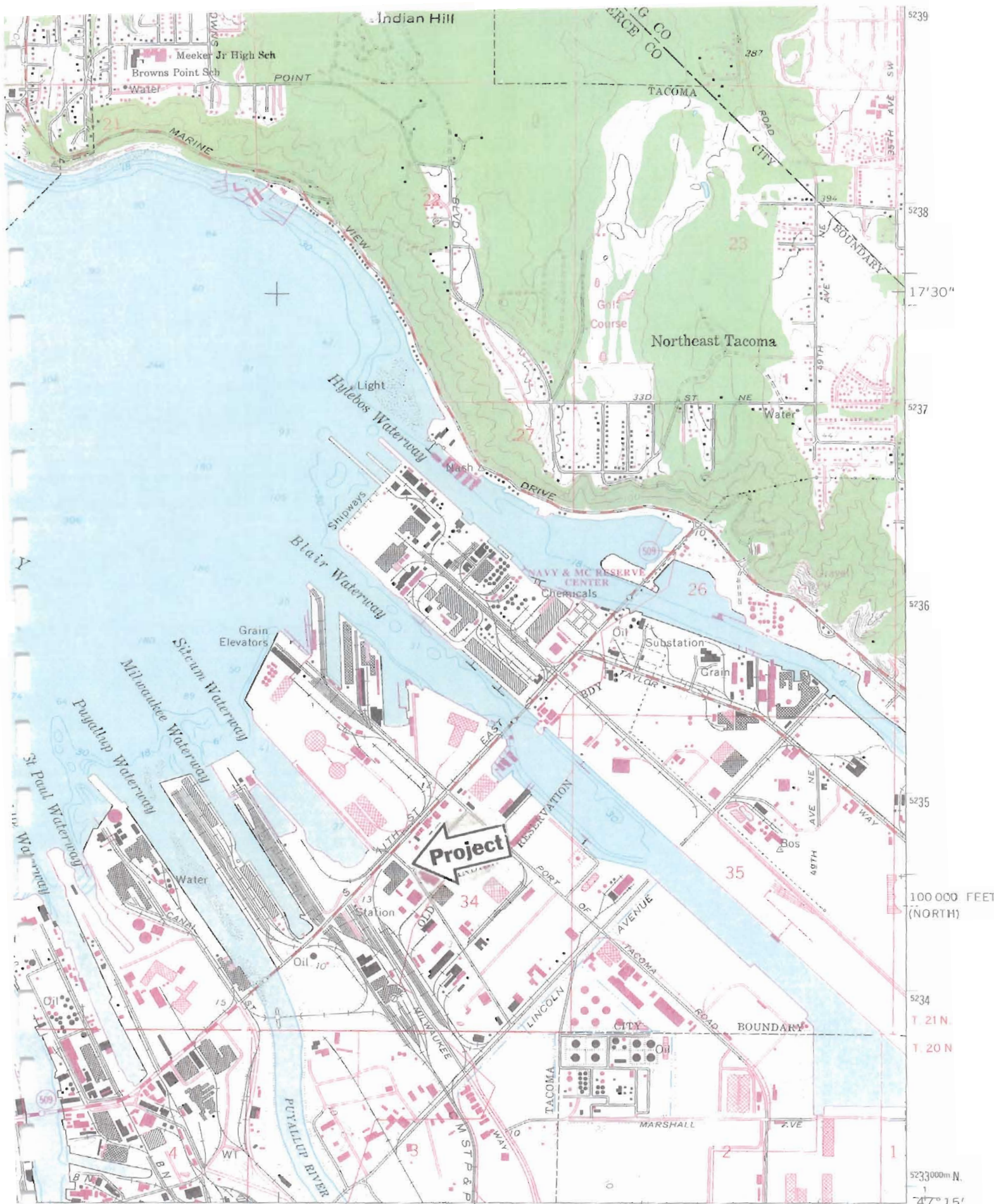
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1981

ROAD CLASSIFICATION



PUYALLUP  
1576





1973

1 MILE

TERMINAL GEOLOGICAL SURVEY, RESTON, VIRGINIA 1976  
5470000E 122°22'30" 47°15' N  
ROAD CLASSIFICATION

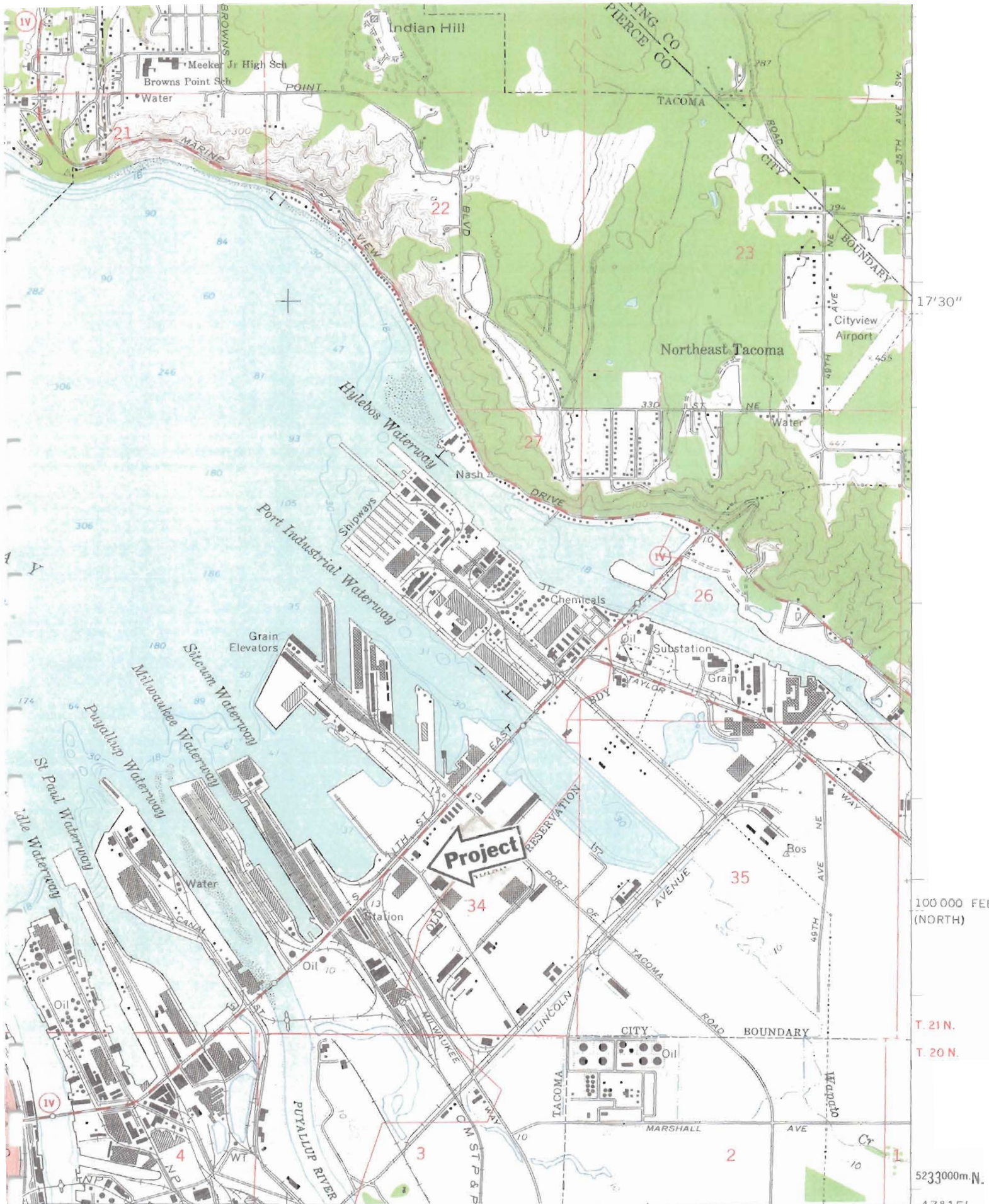




1968

ROAD CLASSIFICATION  
Light duty





0 MI. TO U.S. 99 & 410  
LYMPIA 30 MI.

25' 1610

# 1961

GEOLOGICAL SURVEY WASHINGTON, D.C. — 1962  
MR 3257 547000m.E. 122° 22' 30" 47° 15' 5233000m.N.

ROAD CLASSIFICATION





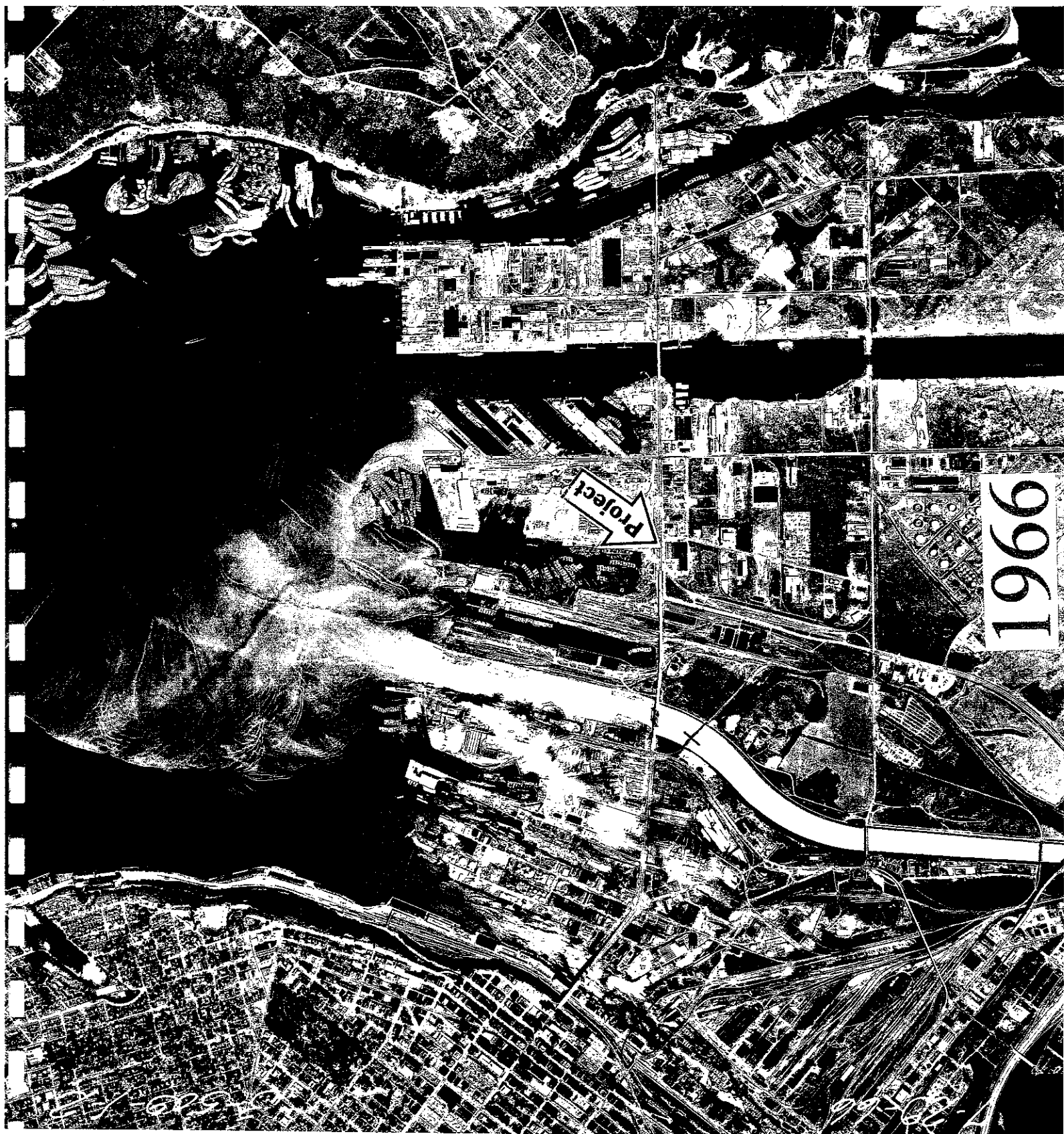


1946

Project

G-41



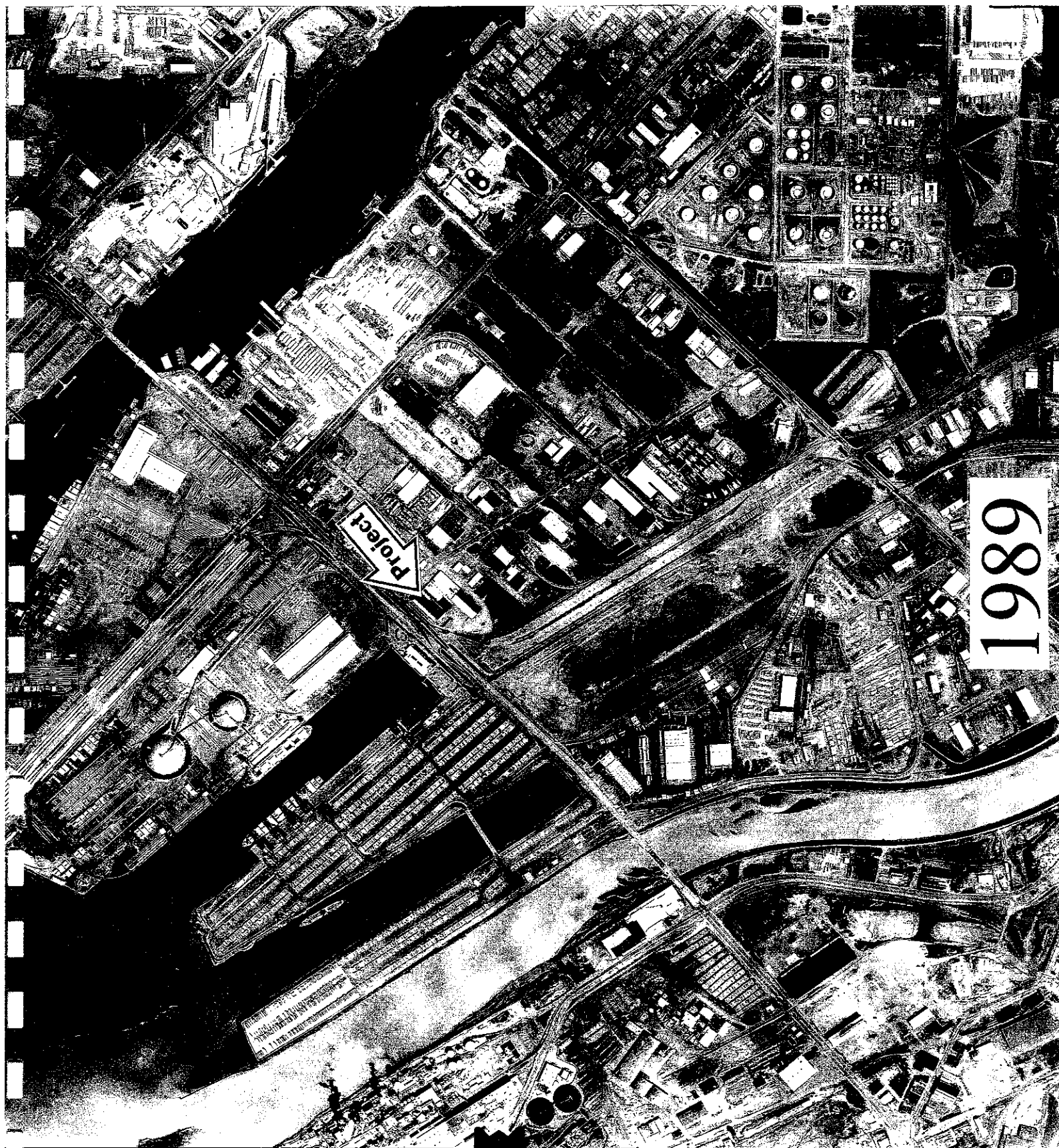




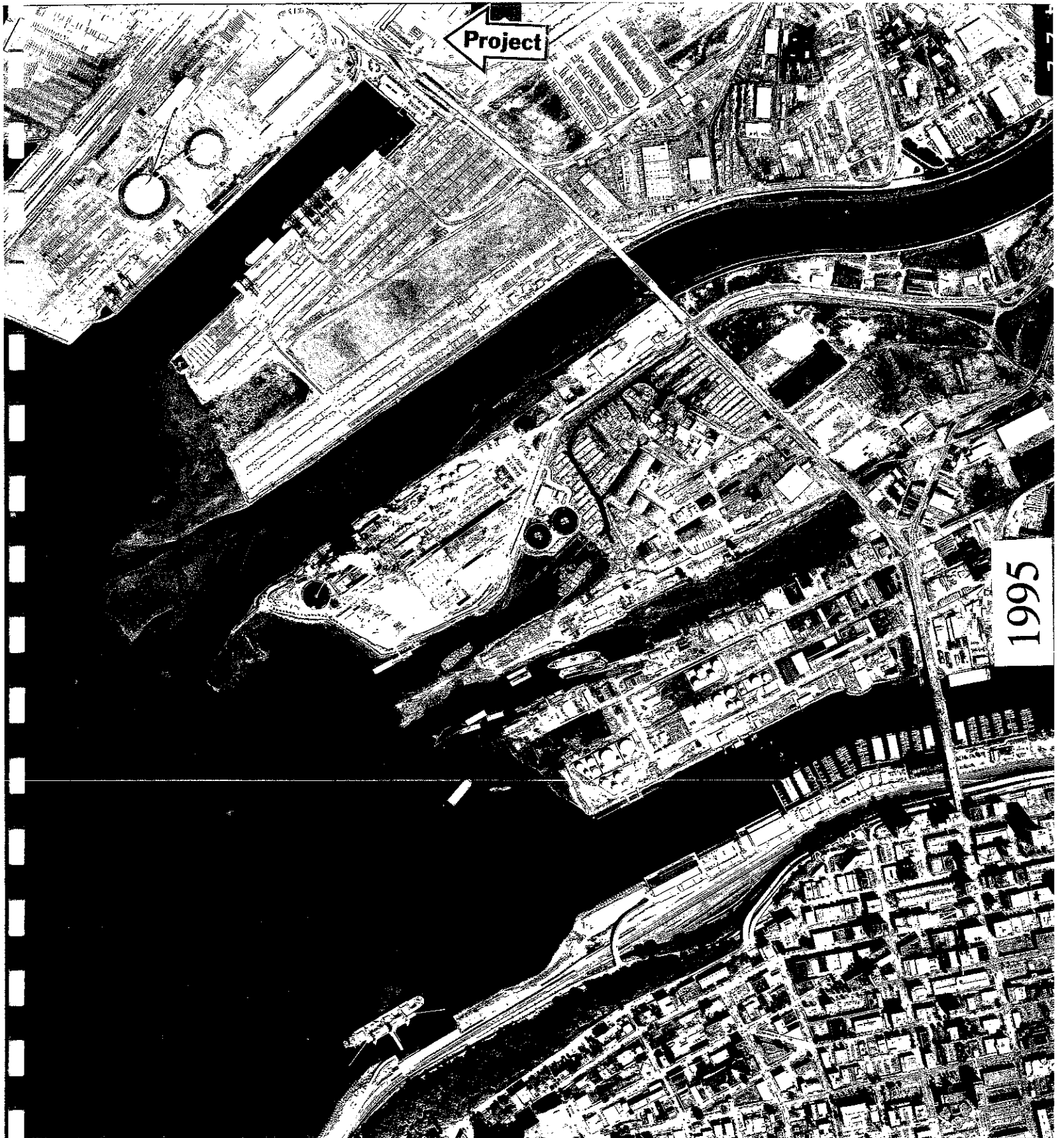


1982





1989



1995



Project

2003





um Waterway

1940 E 11th St, Tacoma, WA 98421



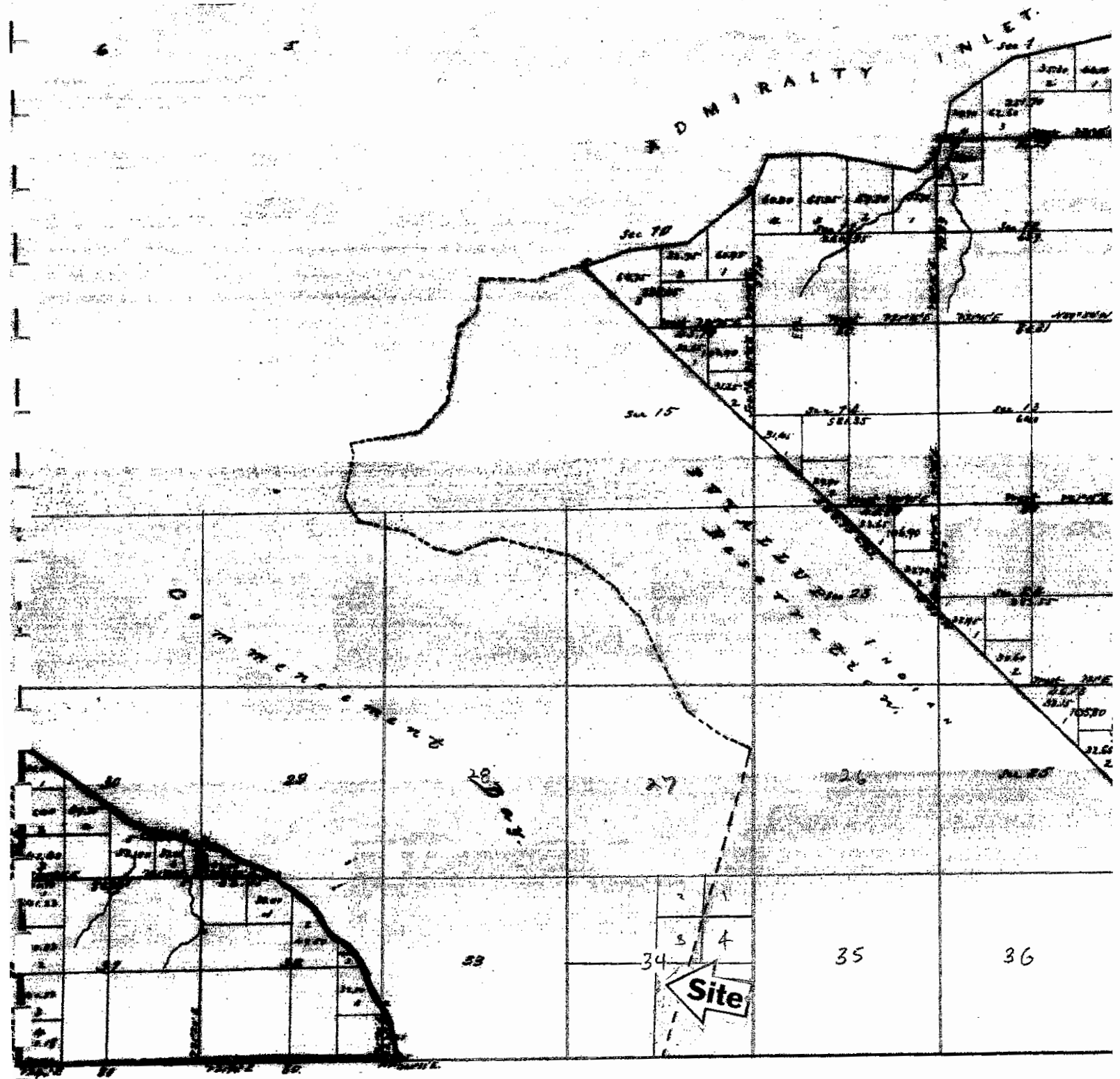
Pointer 47°15'51.72" N 122°24'35.24" W elev 3 ft

Streaming ||||| 100%

Eye alt 3283 ft

Google

# 1884



Department of the Interior  
General Land Office  
Mar 13 - 1884

Admiralty

70

64.75

32.75

60.75

32.65

32.65

31.25

15

Fugallup Indian

Indian

Commencement

Bay

30

29

39.75

27.80

31.80

32

33

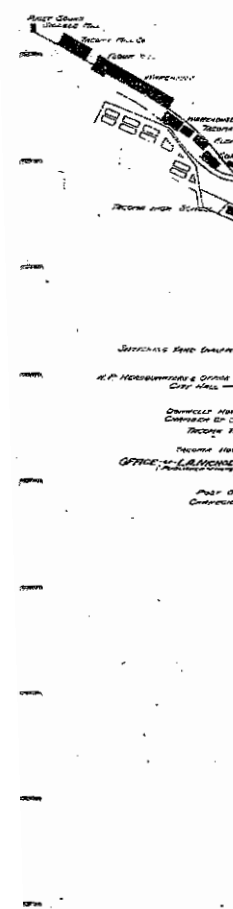


Site

1888



Q. E. N. Q. I. I.

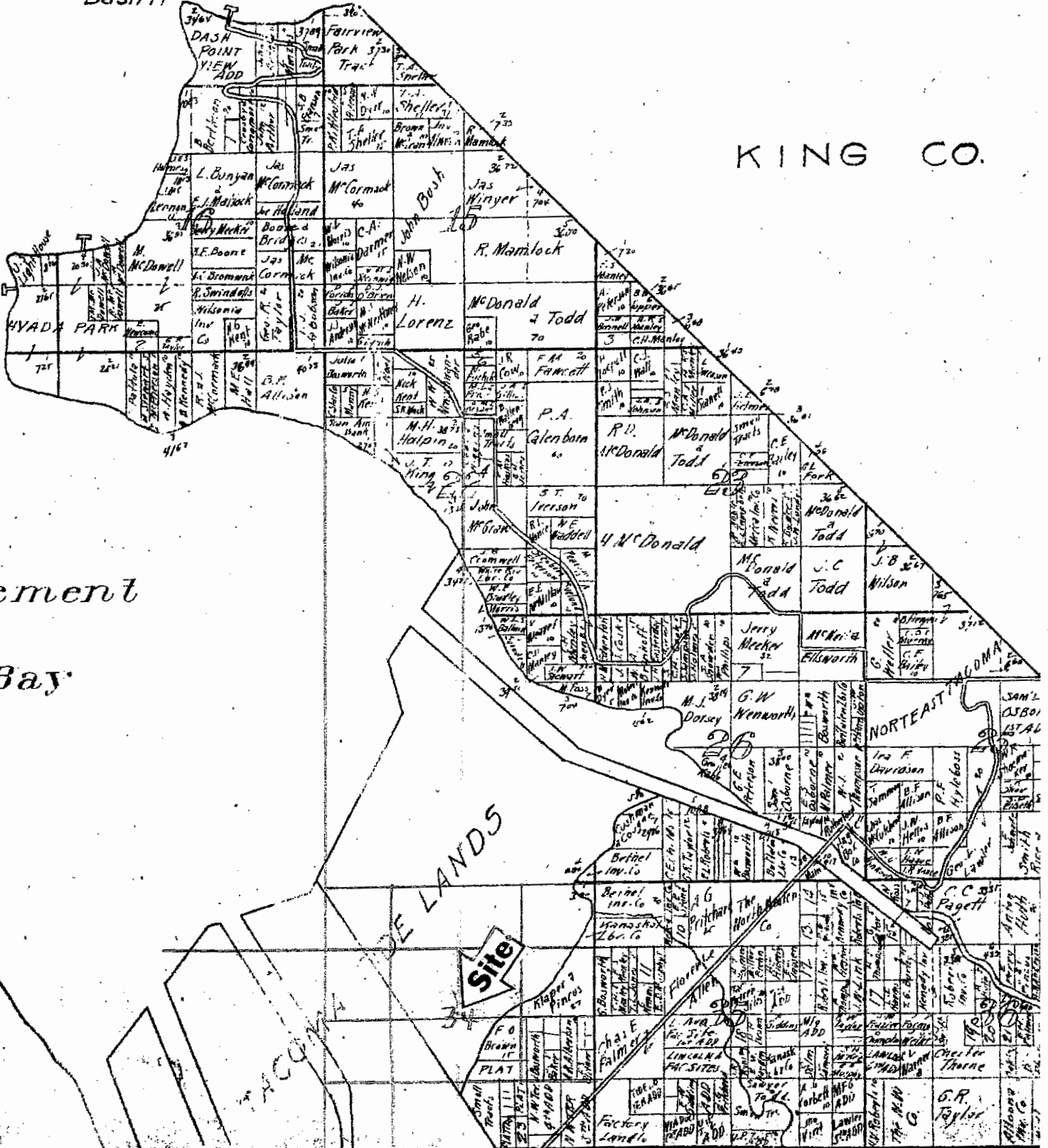


1915

Dash Pt

KING CO.

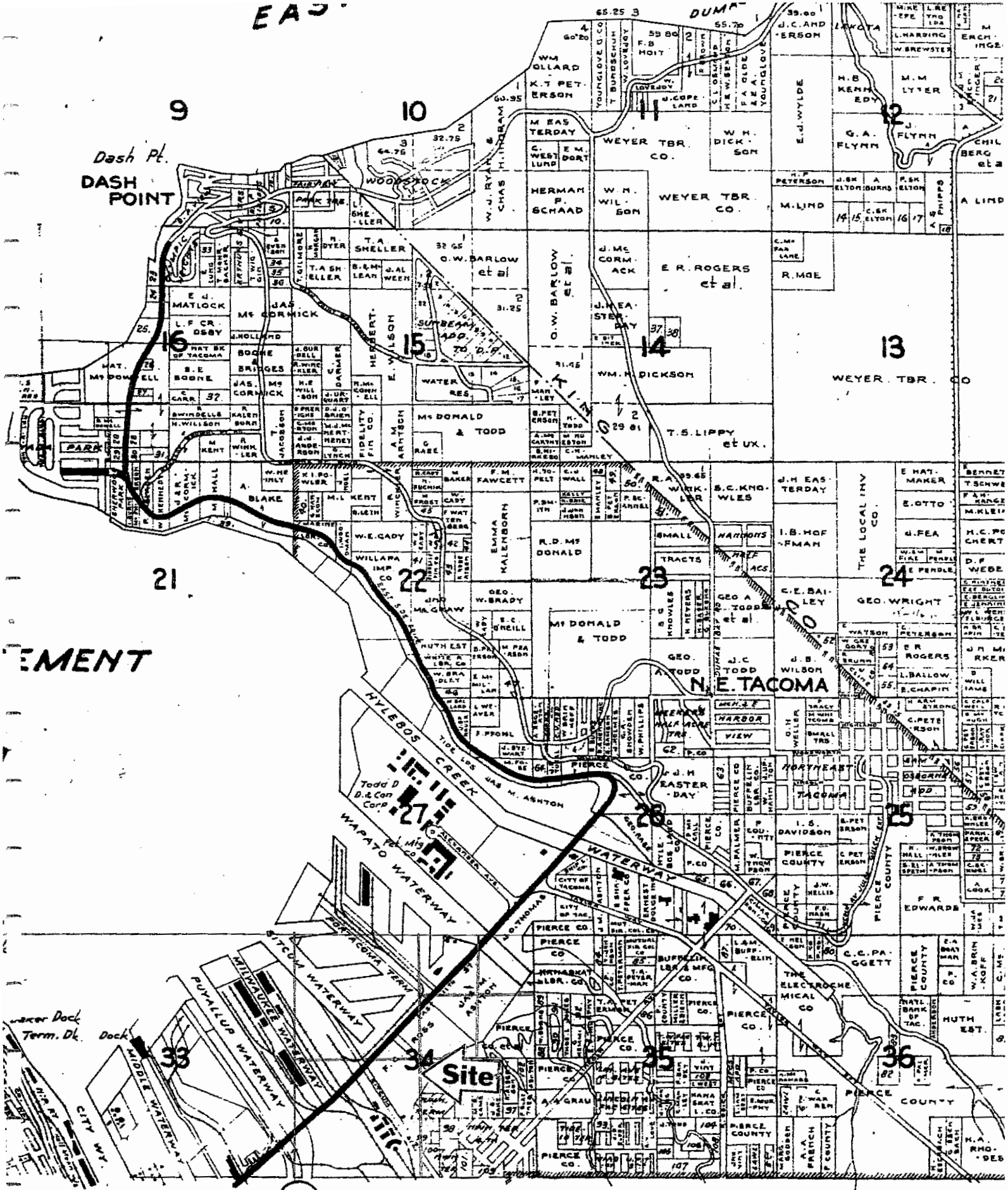
own's  
Pt





SECRET

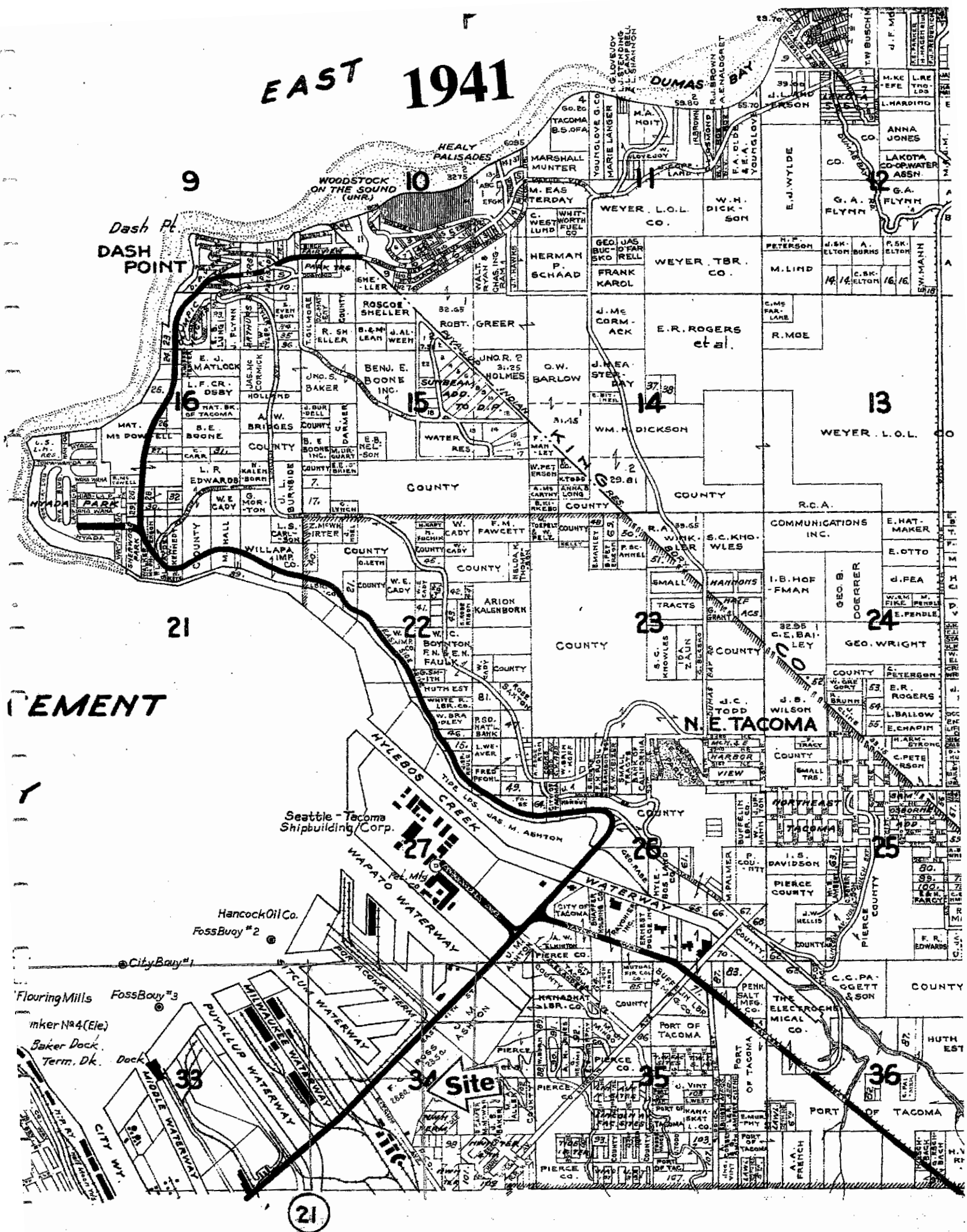
EAST



21

1930

# EAST 1941



Dash Pt.  
**DASH POINT**

WOODSTOCK ON THE SOUND (UNR.)

DUMAS BAY

9

10

11

12

21

22

23

24

**CEMENT**

Seattle-Tacoma Shipbuilding Corp.

Hancock Oil Co.  
Foss Buoy #2

City Buoy #1

Flouring Mills Foss Buoy #3

Inker No 4 (Ele.)

Baker Dock

Term. Dk.

**Site**

21

36

25

26

23

22

21

13

14

15

16

11

10

9



EAST

9

WOODSTOCK

Dash Pt.  
BATHING BCH.  
DASH  
POINT

21

EMENT

Seattle-Tacoma  
Shipbuilding Corporation

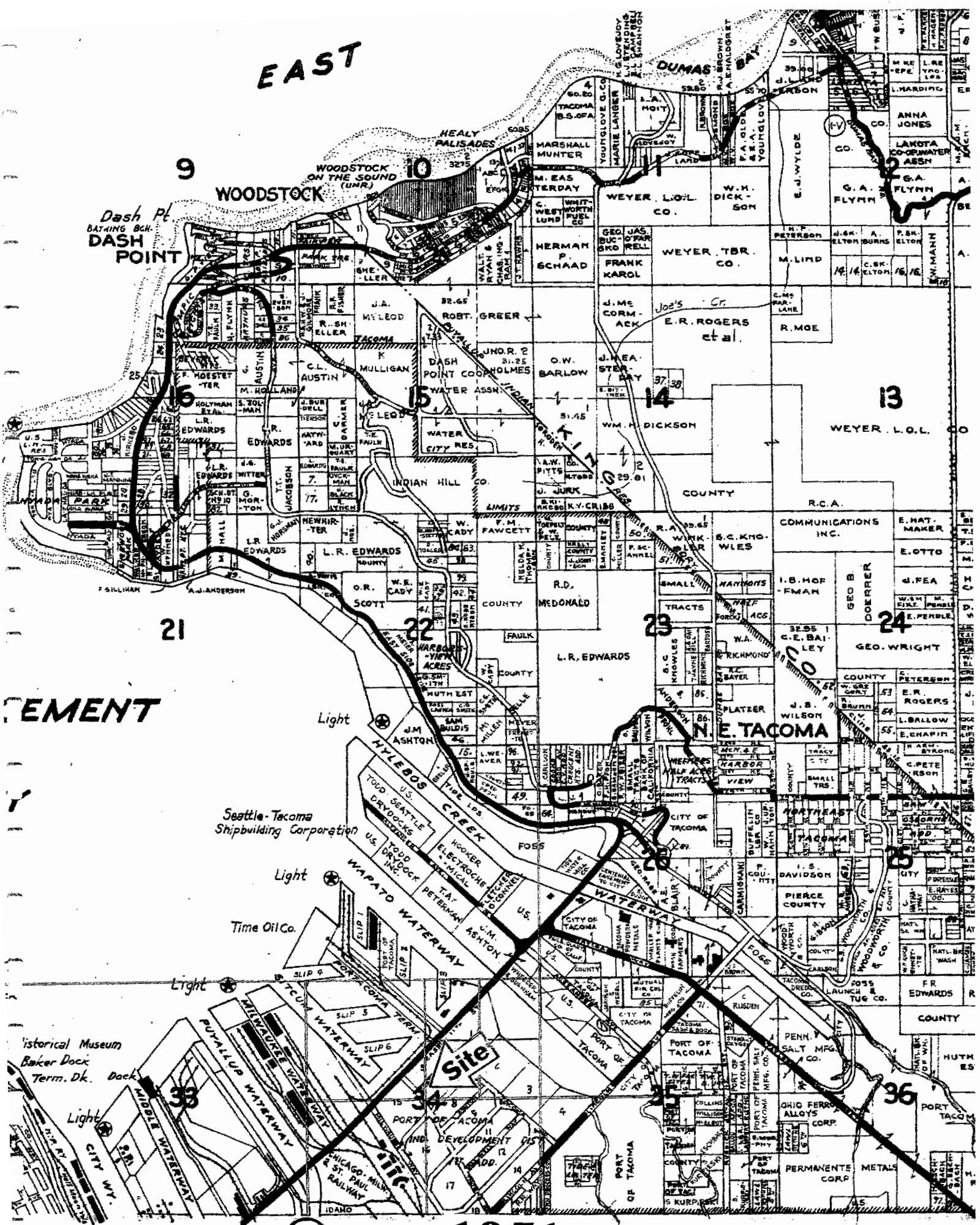
Light

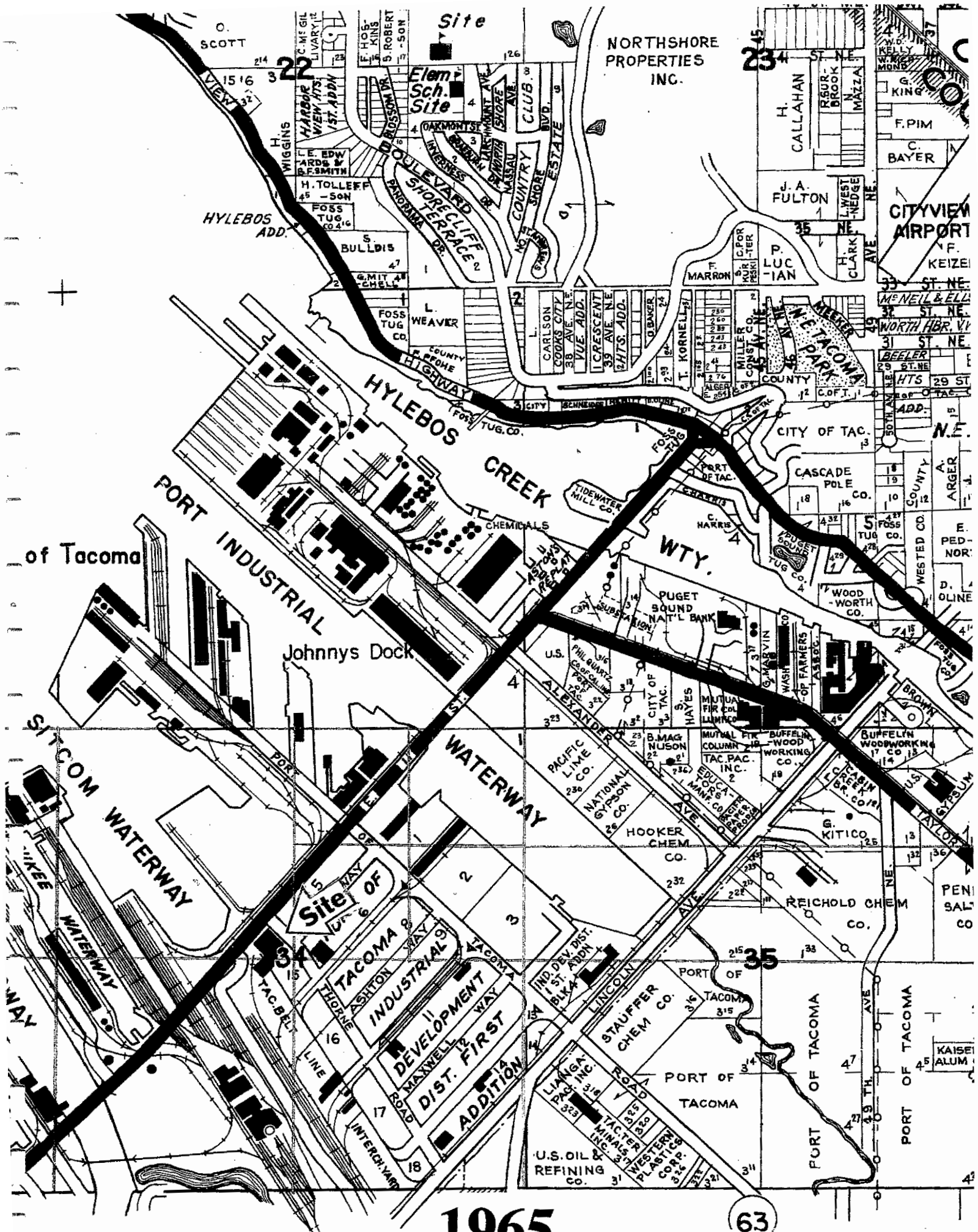
Time Oil Co.

Historical Museum  
Baker Dock  
Term. Dk. Dock

1951

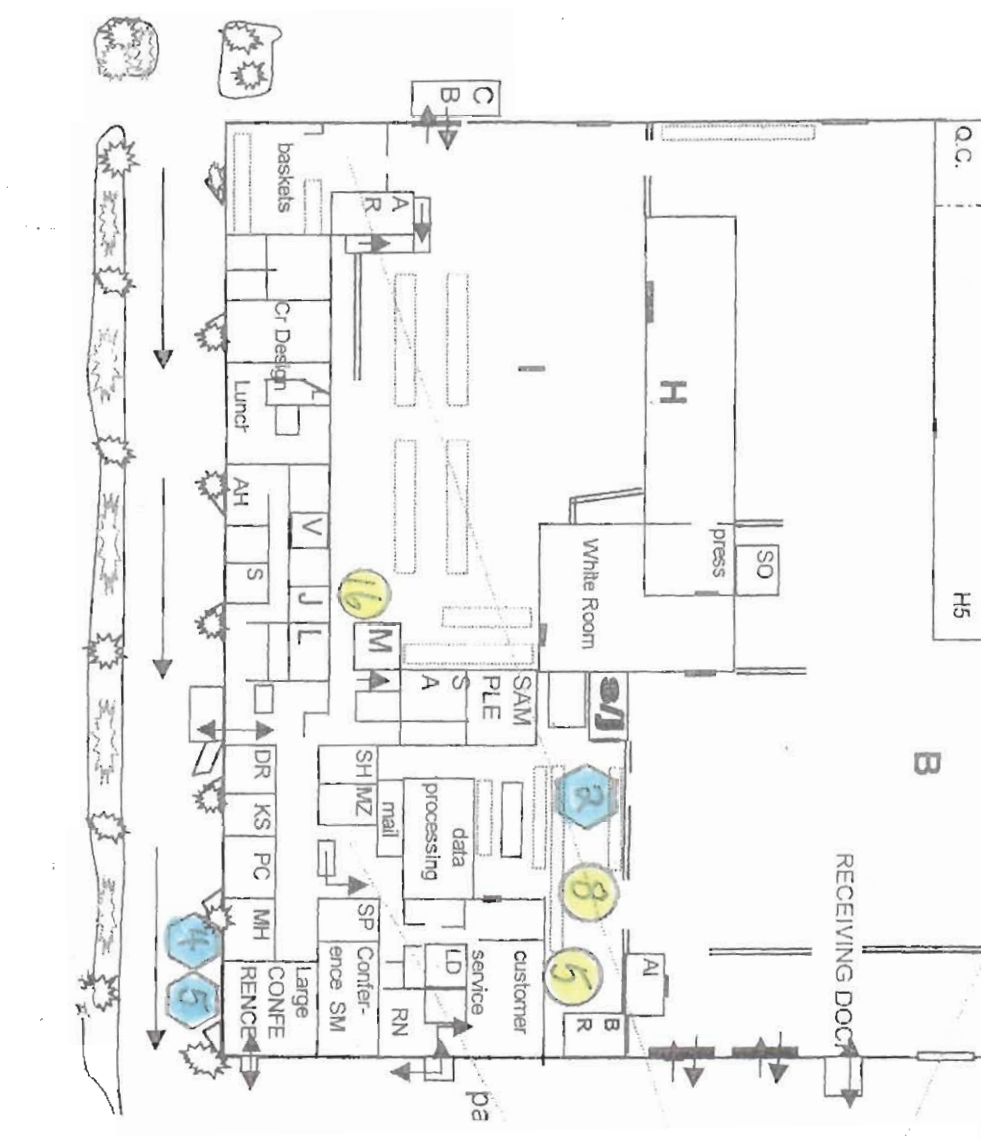
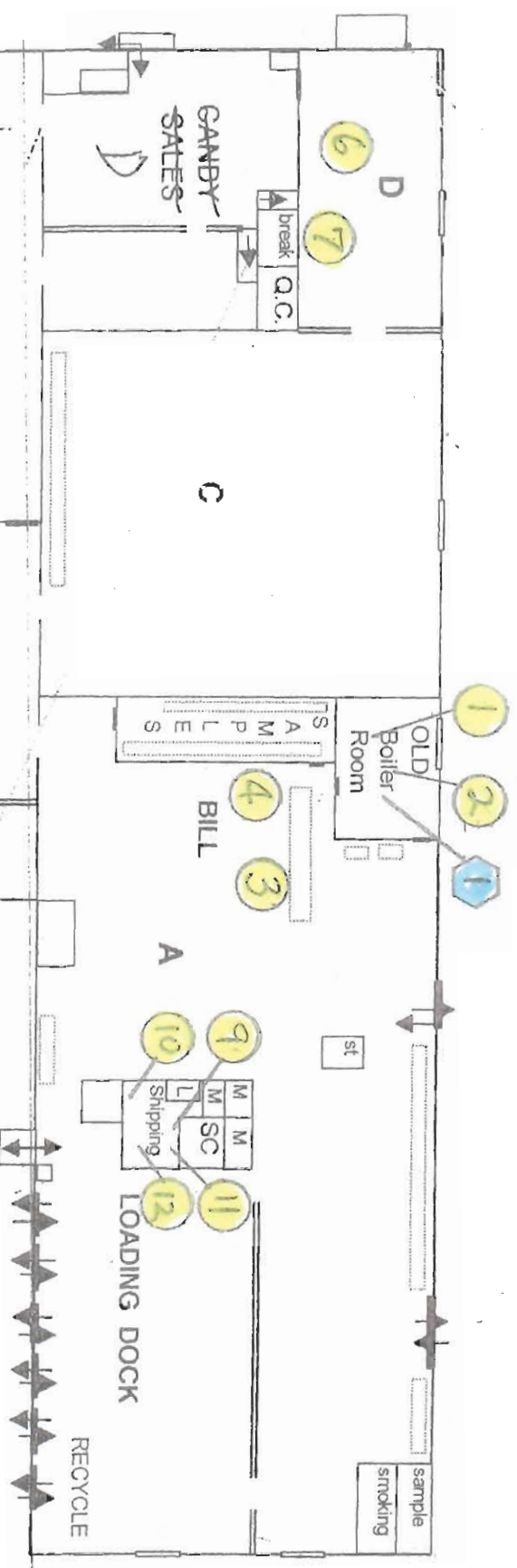
21





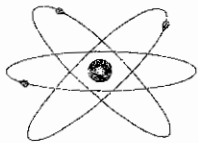
1965

63



ASBESTOS  
SAMPLING  
LOCATION

LEAD  
PAINT  
SAMPLE  
LOCATION



# Orion Environmental Services

34004 9<sup>th</sup> Avenue South ♦ Building A Suite 5 ♦ Federal Way, Washington 98003-6740

WBE W2F5912535

Telephone Seattle (253) 874-8118 ♦ Tacoma (253) 952-6717 ♦ Facsimile (253) 927-4714 ♦ email ORION6717@aol

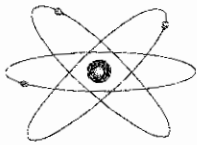
## Polarized Light Microscopy Test Report EPA Method 600/R-98/116

**Client** Nowicki Environmental Services, Inc.  
33516 9<sup>th</sup> Avenue South, Building #6  
Federal Way, WA 98003

**Date** February 3, 2006  
**Page** Page 1 of 3  
**Invoice** 060553  
**Date Received** February 3, 2006

**Project Client / Number** Brown & Haley  
**Project Name** N/A

<u>Client Number</u>	<u>Orion Number</u>	<u>Stereo Scope Exam</u>	<u>Sample Treatment</u>	<u>Asbestos Percent</u>	<u>Asbestos Type</u>	<u>Other Fibers</u>
001	60203-57	Boiler Jacket Homogeneous	-	20 25	Chrysotile Amosite	Cellulose
002	60203-58	TSI Homogeneous	-	ND	-	Cellulose Fiberglass
003	60203-59	TSI Homogeneous	-	25 30	Chrysotile Amosite	Cellulose
004	60203-60	TSI Homogeneous	-	25 5	Chrysotile Amosite	Cellulose
005	60203-61	Gypsum Wallboard Homogeneous	-	ND	-	Cellulose
006	60203-62	2' x 4' Ceiling Tile Homogeneous	-	ND	-	Cellulose Fiberglass
007a	60203-63	Gray / Black Splotch Pattern 12" x 12" Vinyl Tile Homogeneous	Ash	ND	-	-
007b	60203-63	Dark Mastic Assoc. w/ 007a	Chloroform	8	Chrysotile	Cellulose
008	60203-64	Ceiling Plaster Homogeneous	-	ND	-	-
009a	60203-65	Green 9" x 9" Vinyl Tile Homogeneous	Ash	ND	-	-
009b	60203-65	Dark Mastic Assoc. w/ 009a	Chloroform	2	Chrysotile	Cellulose



# Orion Environmental Services

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WBE W2F5912535

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## Polarized Light Microscopy Test Report EPA Method 600/R-98/116

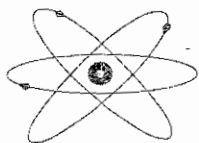
**Client** Nowicki Environmental Services, Inc.  
33516 9<sup>th</sup> Avenue South, Building #6  
Federal Way, WA 98003

**Date** February 3, 2006  
**Page** Page 2 of 3  
**Invoice** 060553  
**Date Received** February 3, 2006

**Project Client / Number** Brown & Haley  
**Project Name** N/A

<u>Client Number</u>	<u>Orion Number</u>	<u>Stereo Scope Exam</u>	<u>Sample Treatment</u>	<u>Asbestos Percent</u>	<u>Type</u>	<u>Other Fibers</u>
010a	60203-66	Beige / Tan 9" x 9" Vinyl Tile Homogeneous	Ash	ND	-	-
010b	60203-66	Dark Mastic Assoc. w/ 010a	Chloroform	ND	-	Cellulose
011	60203-67	Dark Cove Base Mastic Homogeneous	Chloroform	3	Tremolite	Cellulose
012	60203-68	Ceiling Tile Homogeneous	-	ND	-	Cellulose
013	60203-69	Ceiling Tile Homogeneous	-	ND	-	Cellulose
014a	60203-70	Maroon 9" x 9" Vinyl Tile Homogeneous	Ash	2	Chrysotile	-
014b	60203-70	Dark Mastic Assoc. w/ 014a	Chloroform	4	Chrysotile	Cellulose
015a	60203-71	Gray 9" x 9" Vinyl Tile Homogeneous	Ash	3	Chrysotile	-
015b	60203-71	Dark Mastic Assoc. w/ 015a	Chloroform	5	Chrysotile	Cellulose
016	60203-72	Gray / White / Pink Pebble Vinyl Sheeting w/ Gray Felt Backing Homogeneous	-	ND	-	Cellulose





# Orion Environmental Services

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WBE W2F5912535

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## Polarized Light Microscopy Test Report EPA Method 600/R-98/116

**Client** Nowicki Environmental Services, Inc.  
33516 9<sup>th</sup> Avenue South, Building #6  
Federal Way, WA 98003

**Date** February 3, 2006  
**Page** Page 3 of 3  
**Invoice** 060553  
**Date Received** February 3, 2006

**Project Client / Number** Brown & Haley  
**Project Name** N/A

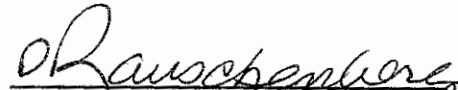
<u>Client Number</u>	<u>Orion Number</u>	<u>Stereo Scope Exam</u>	<u>Sample Treatment</u>	<u>Asbestos Percent</u>	<u>Other Type</u>	<u>Fibers</u>
--------------------------	-------------------------	--------------------------	-----------------------------	-----------------------------	-----------------------	---------------

Dup: Laboratory QA/QC Duplicate; M: Mastic [(a), (b), (c), etc.]: Sample layers numbered from front to back.  
Comments: For layered samples, each component has been analyzed separately. ND means non-detect for asbestos fiber by EPA Method 600/R-98/116. Per EPA guidelines, samples will be archived for 30 days and then disposed of. Disclaimers: PLM has been known to miss asbestos in a small percentage of samples that contain asbestos. Thus negative PLM results cannot be guaranteed. This report may only be reproduced in full with written approval of ORION Environmental Services.

**Analyst**

  
**Donna McNeal**  
**Laboratory Director, CEO**

**Reviewed By**

  
**Dennis Rauschenberg**  
**Laboratory Analyst**

*Leading Environmental Compliance Consulting Into the 21<sup>st</sup> Century*

00553 Page - 1 -  
NOWICKI ENVIRONMENTAL SERVICES, INC.  
Laboratory Services

ASBESTOS

NOWICKI ENVIRONMENTAL  
33516 9TH AVENUE SOUTH  
BLDG. #6  
FEDERAL WAY, WA 98003

CHAIN OF CUSTODY

Client: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Cell Number: \_\_\_\_\_

Project: Brown + Haley

Date Sampled: Thursday 2/2/06

Sampled By: W Picit

Laboratory ID: \_\_\_\_\_

Turn-Around-Time Please Check Appropriate Box

4-Hour ☐ 24-Hour ☒ 3-day ☐

BEFORE WEEKEND

Sample #	Description of Sample	Analysis
001	Boiler Jacket	60003 57
002	TSI - 3" OD PIPE insulation - Boiler Room	58
003	TSI - 8" OD SR " " - Bay A	59
004	TSI - 8" OD J " " " " "	60
005	GWB Composite - Office wall	61
006	SAT - Candy sales (2x4)	62
007	12" x 12" VTS " " AREA - + Blk Matic	63
008	Ceiling Plaster - Candy Making Room	64
009	9" x 12" VAT + BM - Shipping Dept - GREEN BM	65
010	" " " " " - CREME	66

Relinquished by: W Picit  
Signature: WC Picit  
Company Name: NESF  
Time: 3:30 PM Date: Thurs 2/2/06

Received by: KEVIN ERICKSON  
Signature: [Signature]  
Company Name: OES  
Time: 2/11/06 Date: 2/3/06

Sample Disposition: All samples will be disposed of after 30 days of receipt.

Sample Condition: Good ☐ Accept ☐ Reject ☐  
(samples are not properly contained and sealed or present in adequate quantity for method analysis.)

Received by: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Time: \_\_\_\_\_ Date: \_\_\_\_\_

If sample is insufficient in quantity and the client desires analysis regardless, please check ☐.  
Analysis method is in accordance with EPA Method 600/R-93-116 for PLM.

000553  
NOWICKI ENVIRONMENTAL SERVICES, INC.  
Laboratory Services

Page - 2 -  
JF

ASBESTOS

NOWICKI ENVIRONMENTAL  
33516 9TH AVENUE SOUTH  
BLDG. #6  
FEDERAL WAY, WA 98003

CHAIN OF CUSTODY

Client: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Cell Number: \_\_\_\_\_

Project: Brown + Haley

Date Sampled: Thursday 2/2/06

Sampled By: W Picit

Laboratory ID: \_\_\_\_\_

Turn-Around-Time Please Check Appropriate Box

4-Hour ☐

24-Hour ☒

3-day ☐

BEFORE WEEKEND

Sample #	Description of Sample	Analysis
011	COVE MASTIC - SHIP DEPT 0003	67
012	1" FMNT (STAPLED) " "	68
013	1" " " - 2nd Floor above candy sales	69
014	9" VTS + BIK MSTR - " " " "	70
015	9" VTS + " " - 2nd Floor Conference Hall	71
016	SV - OFFICE RESTROOM	72
<del>017</del>		

Relinquished by: W Picit  
Signature: WC Picit  
Company Name: NESR  
Time: 3:30 PM Date: Thurs 2/2/06

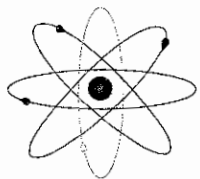
Received by: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Time: \_\_\_\_\_ Date: \_\_\_\_\_

Sample Disposition: All samples will be disposed of after 30 days of receipt.

Sample Condition: Good ☐ Accept ☐ Reject ☐  
(samples are not properly contained and sealed or present in adequate quantity for method analysis.)

Received by: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Time: \_\_\_\_\_ Date: \_\_\_\_\_

If sample is insufficient in quantity and the client desires analysis regardless, please check ☐.  
Analysis method is in accordance with EPA Method 600/R-93-116 for PLM.



# Orion Environmental Services

34004 9<sup>th</sup> Avenue South ♦ Building A Suite 5 ♦ Federal Way, Washington 98003-6740

WBE W2F5912535

Telephone Seattle (253) 874-8118 ♦ Tacoma (253) 952-6717 ♦ Facsimile (253) 927-4714 ♦ email ORION6717@aol

## Total Lead Test Report EPA Method 7420

**Client** Nowicki & Associates, Inc.  
33516 9<sup>th</sup> Avenue South, Bldg. #6  
Federal Way, WA 98003

**Date** February 7, 2006  
**Page** Page 1 of 1  
**Invoice** 060607  
**Date Received** February 7, 2006

**Project Client** Brown & Haley  
**Project Name/Number** N/A

<u>Client Number</u>	<u>ORION Number</u>	<u>Material Description</u>	<u>LOD (mg/kg)</u>	<u>Total Lead PPM (mg/kg)</u>	<u>% by Weight</u>
Lbp-001	60207-44	Boiler Room Interior – Flat Green Paint	31.3	25,388.9	2.539
Lbp-002	60207-45	Candy Making Room – Glossy White Paint	22.7	333.0	0.033
Lbp-003	60207-46	Office Trim – 2 <sup>nd</sup> Floor – White over Green Paint	23.8	5,681.0	0.568
Lbp-004	60207-47	Exterior Wall – Front – Flat Pink Paint	26.3	22,701.7	2.270
Lbp-005	60207-48	Exterior Wall – Front – Cream Paint	23.8	21,735.4	2.174

### Quality Assurance Information

Method Blank: <0.5 mg/kg  
Linear Regression Lower Limit: 0.990  
Actual Batch Linear Regression: 0.996  
Check Standard Per Set: +5.0 mg/l

**Analyzed By**

Allen Clark  
Laboratory Analyst

**Reviewed By**

Donna McNeal  
Laboratory Director, CEO

*Leading Environmental Compliance Consulting Into the 21<sup>st</sup> Century*

# PAINT CHIPS

000007  
NOWICKI ENVIRONMENTAL SERVICES, INC.  
Laboratory Services

NOWICKI ENVIRONMENTAL  
33516 9TH AVENUE SOUTH  
BLDG. #6  
FEDERAL WAY, WA 98003

## CHAIN OF CUSTODY

Client: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Cell Number: \_\_\_\_\_

Project: Brown + Haley

Date Sampled: Thursday 2/2/06

Sampled By: W Picit

Laboratory ID: \_\_\_\_\_

Turn-Around-Time Please Check Appropriate Box

4-Hour ☐ 24-Hour ☒ 3-day ☐

~~BEFORE WEEKEND~~

Sample #	Description of Sample	Analysis
Lbp-001	FLAT GREEN - Boiler Room - interior	44
Lbp-002	Gloss White - candy making room	45
Lbp-003	White/over Green - OFFICE TRIM PAINT	46
Lbp-004	FLAT Pink - EXTERIOR WALL - Front	47
Lbp-005	FLAT CREME " " "	48

Relinquished by: W Picit  
Signature: WC Picit  
Company Name: NESR  
Time: 3:30 PM Date: Thurs 2/2/06

Received by: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Time: \_\_\_\_\_ Date: \_\_\_\_\_

Sample Disposition: All samples will be disposed of after 30 days of receipt.

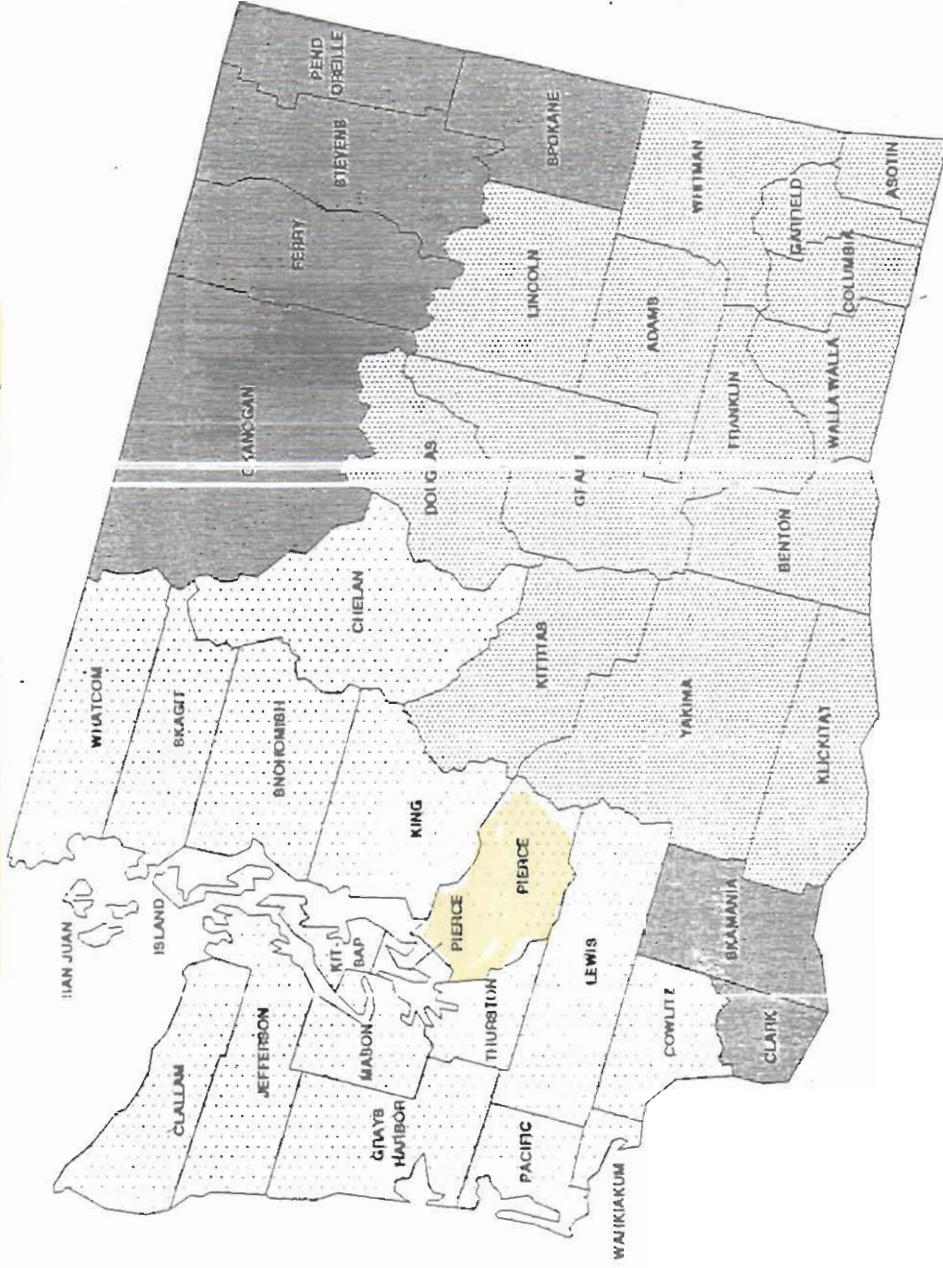
Sample Condition: Good ☐ Accept ☐ Reject ☐  
(samples are not properly contained and sealed or present in adequate quantity for method analysis.)

Received by: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Time: \_\_\_\_\_ Date: \_\_\_\_\_

If sample is insufficient in quantity and the client desires analysis regardless, please check ☐.  
Analysis method is in accordance with EPA Method 600/R-93-116 for PLM.

# WASHINGTON - EPA Map of Radon Zones

EPA defines the three zones as follows: Zone One areas have an average predicted indoor radon screening potential greater than 4 pCi/L. Zone Two areas are predicted to have an average indoor radon screening potential between 2 pCi/L and 4 pCi/L. Zone Three areas are predicted to have an average indoor radon screening potential less than 2 pCi/L.



IMPOUNTS: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of Washington" before using this map. This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.

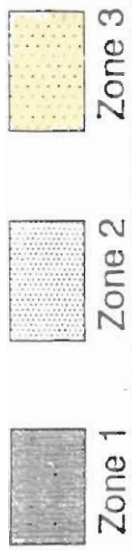




TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Washington conducted during 1991-92. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

COUNTY	NO. OF MEAS.	MEAN	GEOM. MEAN	MEDIAN	STD. DEV.	MAXIMUM	%>4 pCi/L	%>20 pCi/L
ADAMS	11	3.5	2.3	2.0	4.4	15.9	18	0
ASOTIN	18	2.9	1.5	1.3	6.3	27.8	6	6
BENTON	106	1.8	1.0	1.1	3.5	28.1	7	2
CHELAN	9	2.2	1.4	1.8	2.2	7.4	11	0
CLALLAM	22	0.3	0.1	0.2	0.4	1.6	0	0
CLARK	69	2.4	1.1	1.3	3.5	23.0	12	1
COLUMBIA	5	3.4	3.0	4.0	1.7	5.4	40	0
COWLITZ	35	0.5	0.2	0.2	1.4	8.2	3	0
DOUGLAS	17	1.6	1.0	1.2	1.3	4.0	0	0
FERRY	28	3.2	1.5	1.3	3.9	10.8	25	0
FRANKLIN	26	1.6	1.1	1.2	1.4	5.1	12	0
GARFIELD	5	0.8	0.5	0.6	0.7	1.9	0	0
GRANT	54	1.9	0.9	1.0	2.9	17.7	9	0
GRAYS HARBOR	22	0.7	0.2	0.2	1.4	6.0	3	0
ISLAND	10	0.1	0.1	0.2	0.2	0.4	0	0
JEFFERSON	11	0.3	0.2	0.2	0.4	1.1	0	0
KING	215	0.4	0.2	0.3	0.8	6.2	2	0
KITSAP	34	0.4	0.3	0.3	0.5	1.8	0	0
KITTITAS	4	1.2	0.9	1.4	0.7	1.9	0	0
Klickitat	22	1.7	1.1	0.8	2.3	10.1	14	0
LEWIS	24	0.7	0.4	0.5	0.7	2.8	0	0
LINCOLN	15	2.2	1.7	1.8	1.6	5.7	7	0
MASON	18	0.6	0.3	0.3	0.7	2.5	0	0
OKANOGAN	43	2.8	1.5	1.3	3.7	18.7	21	0
PACIFIC	11	0.2	0.1	0.1	0.2	0.6	0	0
PEND OREILLE	55	7.2	2.2	2.0	19.1	136.9	31	5
PIERCE	132	0.8	0.3	0.4	1.7	13.6	5	0
SKAGIT	9	0.4	0.2	0.0	0.6	1.3	0	0
SKAMANIA	35	8.3	1.9	1.4	17.4	79.5	34	11
SNOHOMISH	63	0.2	0.1	0.1	0.3	1.4	0	0
SPOKANE	449	9.9	5.1	4.9	14.2	152.2	59	13
STEVENS	47	5.1	2.1	1.7	11.3	73.7	32	4
THURSTON	45	0.8	0.3	0.3	1.8	9.1	4	0
WAHKIAKUM	21	1.0	0.4	0.4	1.8	6.7	10	0
WALLA WALLA	56	2.6	1.7	1.9	2.3	9.4	23	0
WHATCOM	17	0.4	0.3	0.3	0.3	1.3	0	0
WHITMAN	31	5.9	2.2	2.3	14.0	79.2	39	3
YAKIMA	134	1.8	1.1	1.1	2.5	17.8	6	0

## BACKGROUND

Radon ( $Rn^{222}$ ) is a colorless, odorless, radioactive gas. It comes from the natural decay of uranium that is found in nearly all soils. It typically moves through the ground to the air above and into homes and other buildings through cracks and openings in the foundation. Any home, school or workplace may have a radon problem, regardless of whether it is new or old, well-sealed or drafty, or with or without a basement. Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon.

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Pennsylvania, New Jersey, and New York, along the Reading Prong-physiographic province. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

Since 1985, EPA and USGS have been working together to continually increase our understanding of radon sources and the migration dynamics that cause elevated indoor radon levels. Early efforts resulted in the 1987 map entitled "Areas with Potentially High Radon Levels." This map was based on limited geologic information only because few indoor radon measurements were available at the time. The development of EPA's Map of Radon Zones and its technical foundation, USGS' National Geologic Radon Province Map, has been based on additional information from six years of the State/EPA Residential Radon Surveys, independent State residential surveys, and continued expansion of geologic and geophysical information, particularly the data from the National Uranium Resource Evaluation project.

### Units of measure

pCi/L (picocuries per liter)- a unit of measure of radioactivity used to describe radon concentrations in a volume of air. One picocurie ( $10^{-12}$  curies) is equal to about 2.2 disintegrations of radon atoms per minute. A liter is about 1.06 quarts. The average concentration of radon in U.S. homes measured to date is between 1 and 2 pCi/L.

### Puget Lowland-Willamette River Valley

The Puget Lowland (3, fig. 1) is underlain almost entirely by glacial deposits and Holocene alluvium. Most of the glacial and alluvial material of the Puget Lowland is derived from the Cascades to the east, and from the mountains of the Olympic peninsula to the west. River alluvium and river terraces underlie most of the Willamette River valley (4, fig. 1). However, many of the hills that rise above the plains of the Lowland are underlain by Tertiary basalts and marine sediments.

The Puget Lowland overall has very low radon potential because of low uranium content of soils and because high rainfall produces high soil moisture, which slows radon movement. Houses in most townships in the Bonneville Power Administration study from Tacoma northward average less than 1 pCi/L radon. Structures built on locally very steep or well-drained soils, especially on the east side of the lowland area, may be among the few likely to have elevated indoor radon levels. The geologic radon potential is moderate only in the southern part of the Puget Lowland, south of Tacoma, where excessively drained soils and somewhat elevated uranium in soils occur.

## APPENDIX B GLOSSARY OF TERMS

### Units of measure

**pCi/L** (picocuries per liter)- a unit of measure of radioactivity used to describe radon concentrations in a volume of air. One picocurie ( $10^{-12}$  curies) is equal to about 2.2 disintegrations of radon atoms per minute. A liter is about 1.06 quarts. The average concentration of radon in U.S. homes measured to date is between 1 and 2 pCi/L.

**Bq/m<sup>3</sup>** (Becquerels per cubic meter)- a metric unit of radioactivity used to describe radon concentrations in a volume of air. One becquerel is equal to one radioactive disintegration per second. One pCi/L is equal to 37 Bq/m<sup>3</sup>.

**ppm** (parts per million)- a unit of measure of concentration by weight of an element in a substance, in this case, soil or rock. One ppm of uranium contained in a ton of rock corresponds to about 0.03 ounces of uranium. The average concentration of uranium in soils in the United States is between 1 and 2 ppm.

**in/hr** (inches per hour)- a unit of measure used by soil scientists and engineers to describe the permeability of a soil to water flowing through it. It is measured by digging a hole 1 foot (12 inches) square and one foot deep, filling it with water, and measuring the time it takes for the water to drain from the hole. The drop in height of the water level in the hole, measured in inches, is then divided by the time (in hours) to determine the permeability. Soils range in permeability from less than 0.06 in/hr to greater than 20 in/hr, but most soils in the United States have permeabilities between these two extremes.

### Geologic terms and terms related to the study of radon

**aerial radiometric, aeroradiometric survey** A survey of radioactivity, usually gamma rays, taken by an aircraft carrying a gamma-ray spectrometer pointed at the ground surface.

**alluvial fan** A low, widespread mass of loose rock and soil material, shaped like an open fan and deposited by a stream at the point where it flows from a narrow mountain valley out onto a plain or broader valley. May also form at the junction with larger streams or when the gradient of the stream abruptly decreases.

**alluvium, alluvial** General terms referring to unconsolidated detrital material deposited by a stream or other body of running water.

**alpha-track detector** A passive radon measurement device consisting of a plastic film that is sensitive to alpha particles. The film is etched with acid in a laboratory after it is exposed. The etching reveals scratches, or "tracks", left by the alpha particles resulting from radon decay, which can then be counted to calculate the radon concentration. Useful for long-term (1-12 months) radon tests.

**amphibolite** A mafic metamorphic rock consisting mainly of pyroxenes and(or) amphibole and plagioclase.

## **17. PCB FLUORESCENT LIGHT BALLAST DISPOSAL**

### **PCB FLUORESCENT LIGHT BALLAST DISPOSAL**

40 C.F.R. § 761.60(b)(2)(ii) states that a person may dispose of PCB Small Capacitors as municipal solid waste, unless that person is subject to the requirements of 40 C.F.R. § 761.60(b)(2)(iv). **NOTE: READ ON - THIS IS NOT AS SIMPLE AS IT SOUNDS!**

EPA requires that any leaking PCB small capacitor be properly disposed of in:

1. an EPA-approved chemical waste landfill, or
2. a high temperature incinerator

The PCB regulations do not require the removal of ballasts which contain non-leaking PCB small capacitors. Unfortunately, it is virtually impossible to determine whether a small capacitor inside a light ballast is leaking since you can not see the capacitor. **NOTE:** The issue is whether the capacitor is leaking, not whether the ballast is leaking. However, if the ballast itself is leaking, the black potting compound may be PCB-contaminated, which in and of itself makes the ballast fully regulated for disposal (i.e., cannot be disposed of as municipal solid waste).

Therefore, EPA recommends that ballasts in older light fixtures be removed and disposed of as part of a regular maintenance program. This approach should reduce or eliminate exposure from leaking units and also the potentially costly cleanup and disposal that can result when a PCB light ballast fails. If a PCB leak has occurred, the PCB regulations require prompt and thorough cleanup. Specific numerical cleanup standards -- which apply to any PCB spill or leak -- are contained in the PCB regulations at 40 C.F.R., Part 761, Subpart G.

When ballast removal occurs as part of a relamping or removal project, even non-leaking and intact PCB light ballasts should be disposed of at least in a chemical waste landfill because of the large quantities which may be involved in such a program and because it is difficult to determine whether the capacitor is leaking. The provision in the PCB Regulations to allow non-leaking PCB small capacitors to go to municipal solid waste landfills was based on the premise that persons other than capacitor manufacturers would dispose of only one or a few - PCB small capacitors at a time and was intended primarily to recognize that most homeowners would not be able to afford to send one or two light ballasts containing PCB small capacitors to an EPA-approved disposal facility. The intent of the PCB regulations to permanently

remove PCBs from the environment is not achieved when significant quantities of PCB small capacitors go to municipal landfills since such landfills are not designed to handle toxic materials.

PCB large capacitors (i.e., those that contain more than 3 pounds of PCB dielectric fluid) are required to be incinerated at EPA-approved PCB incinerators only, and, from a practical and environmental standpoint, there is no difference in the potential hazard from one large capacitor or a number of small capacitors which have the same total volume.

Effective February 5, 1990, leaking PCB small Capacitors must be manifested for disposal, and any transporter used to transport such leaking equipment from the generator to either a PCB storage or disposal facility must have formally notified EPA of its PCB transportation activity and received an EPA identification number pursuant to the Toxic Substances Control Act (TSCA). It would be prudent to confirm that such notification has been made by any such firms offering such disposal, storage, or transportation services. EPA can verify whether such notification has been made.

#### HOMEOWNERS

EPA clearly has not intended for homeowners with a few PCB light ballasts to comply with the more stringent disposal requirements. Many homeowners have access to local household hazardous waste collection centers. Homeowners should check with their city, county, or local health department to determine if such collection centers exist and can accept PCB light ballasts. Most collection centers will not accept such waste from commercial enterprises. In addition, many fire departments put on yearly household hazardous waste collection events.





**EDR®** Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Brown & Haley  
1940 East 11th Street  
Tacoma, WA 98421**

**Inquiry Number: 1601090.2s**

**January 26, 2006**

## **The Standard in Environmental Risk Management Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://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

1940 EAST 11TH STREET  
TACOMA, WA 98421

#### COORDINATES

Latitude (North):	47.265200 - 47° 15' 54.7"
Longitude (West):	122.411300 - 122° 24' 40.7"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	544535.6
UTM Y (Meters):	5234585.0
Elevation:	5 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	47122-C4 TACOMA NORTH, WA
Source:	USGS 7.5 min quad index

### 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:

#### FEDERAL RECORDS

Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL Liens.....	Federal Superfund Liens
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
US INST CONTROL.....	Sites with Institutional Controls
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
US BROWNFIELDS.....	A Listing of Brownfields Sites

## EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
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)
SSTS.....	Section 7 Tracking Systems
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

HSL.....	Hazardous Sites List
SWF/LF.....	Solid Waste Facility Database
AST.....	Aboveground Storage Tank Locations
SPILLS.....	Reported Spills
DRYCLEANERS.....	Drycleaner List
CDL.....	Clandestine Drug Lab Contaminated Site List
EMI.....	Washington Emissions Data System

### TRIBAL RECORDS

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

### EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

### FEDERAL RECORDS

**NPL:** Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/14/2005 has revealed that there is 1 NPL

## EXECUTIVE SUMMARY

site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>US EPA COMMENCEMENT BAY NEARSHORE TIDEFLATS INDUSTRIAL SE</b>		<b>0 - 1/8</b>	<b>0</b>	<b>6</b>

**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 09/19/2005 has revealed that there are 3 CERCLIS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>US EPA COMMENCEMENT BAY NEARSHORE TIDEFLATS INDUSTRIAL SE</b>		<b>0 - 1/8</b>	<b>0</b>	<b>6</b>
<b>GENERAL CHEMICAL TACOMA</b>	<b>1410 THORNE RD</b>	<b>1/8 - 1/4 ESE</b>	<b>F25</b>	<b>34</b>
<b>GEORGIA PACIFIC RESINS INC</b>	<b>1754 THORNE RD</b>	<b>1/4 - 1/2 SE</b>	<b>46</b>	<b>76</b>

**CORRACTS:** CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 10/13/2005 has revealed that there are 6 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>MICRO OIL REFINING CORP</b>	<b>2432 E 11TH ST</b>	<b>1/4 - 1/2 NE</b>	<b>137</b>	<b>57</b>
<b>GEORGIA PACIFIC RESINS INC</b>	<b>1754 THORNE RD</b>	<b>1/4 - 1/2 SE</b>	<b>46</b>	<b>76</b>
<b>CASCADE POLE &amp; LUMBER COMPANY</b>	<b>1640 EAST MARC STREET</b>	<b>1/2 - 1 S</b>	<b>55</b>	<b>101</b>
<b>PIONEER AMERICAS LLC</b>	<b>605 ALEXANDER AVE</b>	<b>1/2 - 1 NNE</b>	<b>61</b>	<b>121</b>
<b>LILYBLAD PETROLEUM INCORPORATE</b>	<b>2244 PORT OF TACOMA RD</b>	<b>1/2 - 1 ESE</b>	<b>62</b>	<b>133</b>
<b>BURLINGTON ENVIRONMENTAL INC T</b>	<b>1701 E ALEXANDER AVE</b>	<b>1/2 - 1 ENE</b>	<b>63</b>	<b>142</b>

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 10/14/2005 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>MICRO OIL REFINING CORP</b>	<b>2432 E 11TH ST</b>	<b>1/4 - 1/2 NE</b>	<b>137</b>	<b>57</b>



## EXECUTIVE SUMMARY

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 10/14/2005 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CAROTRANS INTERNATIONAL *	2207 E 11TH ST TERMINAL	0 - 1/8 NE	B4	21
RAVEN INDUSTRIES INC NORCORE P	1144 THORNE RD	0 - 1/8 E	C10	26

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 10/14/2005 has revealed that there are 16 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
US EPA COMMENCEMENT BAY NEARSHOR	TIDEFLATS INDUSTRIAL SE	0 - 1/8	0	6
TACOMA PORT CONTAINER FREIGHT	2207 E 11TH ST	0 - 1/8 NE	B3	21
PUGLIA ENGINEERING	2216 E 11TH ST	0 - 1/8 NE	B5	22
WILLIAM DRURY CO	2220 E 11TH ST	0 - 1/8 NE	B8	25
SPECTRA LABORATORIES INC	2221 ROSS WAY	0 - 1/8 E	C11	28
COLLINS TRANSPORT SERVICE INC	2235 ROSS WAY	1/8 - 1/4 E	12	28
ALLIED BATTERY CO INC	2310 E 11TH ST	1/8 - 1/4 NE	E17	32
COLE SCREENPRINT INC TACOMA	2338 E 11TH ST	1/8 - 1/4 NE	23	34
MANN RUSSELL ELECTRONICS	1401 THORNE RD	1/8 - 1/4 ESE	F24	34
GENERAL CHEMICAL TACOMA	1410 THORNE RD	1/8 - 1/4 ESE	F25	34
GUNDERSON WHEEL SERVICES TACOM	1424 THORNE RD	1/8 - 1/4 ESE	F27	50
ECOLOGICAL INDUSTRIES ROSS WAY	2339 ROSS WAY	1/8 - 1/4 ENE	28	50
PENSKE TRUCK LEASING CO LP THO	1460 THORNE RD	1/8 - 1/4 SE	G29	50
AIR LIQUIDE AMERICA CORPORATIO	1451 THORNE RD.	1/8 - 1/4 SE	G30	51
NORTHWEST FOREST PRODUCTS	1476 THORNE RD	1/8 - 1/4 SE	G32	53
CAPITAL MATERIALS HANDLING	1476 A THORNE RD	1/8 - 1/4 SE	G33	54

## EXECUTIVE SUMMARY

**ENG CONTROLS:** A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 08/02/2005 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>US EPA COMMENCEMENT BAY NEARSHORE TIDEFLATS INDUSTRIAL SE</b>		<b>0 - 1/8</b>	<b>0</b>	<b>6</b>

**CONSENT:** Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/14/2004 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>US EPA COMMENCEMENT BAY NEARSHORE TIDEFLATS INDUSTRIAL SE</b>		<b>0 - 1/8</b>	<b>0</b>	<b>6</b>

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

A review of the ROD list, as provided by EDR, and dated 10/07/2005 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>US EPA COMMENCEMENT BAY NEARSHORE TIDEFLATS INDUSTRIAL SE</b>		<b>0 - 1/8</b>	<b>0</b>	<b>6</b>

### STATE AND LOCAL RECORDS

**CSCSL:** The State Hazardous Waste Sites 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. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 07/05/2005 has revealed that there are 23 CSCSL sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>UNION PACIFIC RAILROAD</b>	<b>1119 MILWAUKEE WAY</b>	<b>1/8 - 1/4 SSW</b>	<b>D13</b>	<b>29</b>
<b>NORTH INTERMODAL RAILYARD</b>	<b>E 11TH ST / PORT OF T</b>	<b>1/4 - 1/2 NE</b>	<b>40</b>	<b>70</b>
<b>CASCADE POLE MCF SITCUM</b>	<b>1002 PORT OF TACOMA RD</b>	<b>1/4 - 1/2 NE</b>	<b>41</b>	<b>71</b>
<b>TACOMA PORT SLIP 5</b>	<b>601 PORT OF TACOMA RD</b>	<b>1/4 - 1/2 N</b>	<b>43</b>	<b>73</b>
<b>NORTH AMERICAN PACKAGING CORP</b>	<b>1702 PORT OF TACOMA RD</b>	<b>1/4 - 1/2 E</b>	<b>47</b>	<b>79</b>
<b>CASCADE TIMBER 3 POT</b>	<b>THORNE RD / MAXWELL</b>	<b>1/4 - 1/2 SE</b>	<b>J48</b>	<b>81</b>
<b>COMMENCEMENT BAY NEARSHORE TID</b>	<b>COMMENCEMENT BAY</b>	<b>1/2 - 1 S</b>	<b>51</b>	<b>85</b>
<b>SIMPSON TACOMA KRAFT CO</b>	<b>801 PORTLAND AVE</b>	<b>1/2 - 1 SW</b>	<b>52</b>	<b>87</b>
<b>1920 PORT OF TACOMA ROAD TACOM</b>	<b>1920 PORT OF TACOMA RD</b>	<b>1/2 - 1 ESE</b>	<b>53</b>	<b>98</b>
<b>LINCOLN AVENUE DITCH</b>	<b>PORT OF TACOMA RD &amp; LIN</b>	<b>1/2 - 1 ESE</b>	<b>54</b>	<b>100</b>
<b>CASCADE POLE &amp; LUMBER COMPANY</b>	<b>1640 EAST MARC STREET</b>	<b>1/2 - 1 S</b>	<b>55</b>	<b>101</b>
<b>LINCOLN AVENUE LANDFILL</b>	<b>1837 LINCOLN AVE</b>	<b>1/2 - 1 SSE</b>	<b>56</b>	<b>112</b>

## EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
<b>MAERSK PACIFIC LTD.</b>	<b>1675 LINCOLN AVE BLDG 9</b>	<b>1/2 - 1 S</b>	<b>57</b>	<b>113</b>
<b>G P GYPSUM CORPORATION</b>	<b>1240 ALEXANDER AVENUE</b>	<b>1/2 - 1 NE</b>	<b>58</b>	<b>115</b>
<b>PORT OF TACOMA 721 ALEXANDER</b>	<b>721 ALEXANDER AVE</b>	<b>1/2 - 1 NNE</b>	<b>K59</b>	<b>117</b>
<b>PRI NORTHWEST INC</b>	<b>709 ALEXANDER AVE</b>	<b>1/2 - 1 NNE</b>	<b>K60</b>	<b>118</b>
<b>PIONEER AMERICAS LLC</b>	<b>605 ALEXANDER AVE</b>	<b>1/2 - 1 NNE</b>	<b>61</b>	<b>121</b>
<b>BURLINGTON ENVIRONMENTAL INC T</b>	<b>1701 E ALEXANDER AVE</b>	<b>1/2 - 1 ENE</b>	<b>63</b>	<b>142</b>
<b>US ARMY WSMC PIER 23</b>	<b>401 ALEXANDER AVE</b>	<b>1/2 - 1 NNE</b>	<b>L64</b>	<b>159</b>
<b>TACOMA PORT EARLEY BUSINESS CE</b>	<b>401 ALEXANDER AVE BUSIN</b>	<b>1/2 - 1 NNE</b>	<b>L65</b>	<b>162</b>
<b>PUGET SOUND TRUCK LINES INC TA</b>	<b>2114 E MARSHALL AVE</b>	<b>1/2 - 1 SSE</b>	<b>66</b>	<b>163</b>
<b>TACOMA PORT PARCEL 4</b>	<b>3533 E 11TH ST</b>	<b>1/2 - 1 NE</b>	<b>67</b>	<b>164</b>
<b>WA BELT CO</b>	<b>672 E 11TH ST</b>	<b>1/2 - 1 SW</b>	<b>68</b>	<b>166</b>

**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 07/05/2005 has revealed that there are 11 CSCSL NFA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
<b>TACOMA PORT TERMINAL 7</b>	<b>TACOMA PORT 1 SITCUM PL</b>	<b>0 - 1/8 NNE</b>	<b>A2</b>	<b>21</b>
<b>PUGLIA ENGINEERING HERTZ EQUIP</b>	<b>2217 E 11TH ST</b>	<b>0 - 1/8 NE</b>	<b>B7</b>	<b>24</b>
<b>ALLIED BATTERY CO INC TACOMA</b>	<b>2310 E 11TH ST</b>	<b>1/8 - 1/4 NE</b>	<b>E16</b>	<b>31</b>
<b>TACOMA CITY FIRE STATION 12</b>	<b>2316 E 11TH ST</b>	<b>1/8 - 1/4 NE</b>	<b>E19</b>	<b>32</b>
<b>GENERAL CHEMICAL TACOMA</b>	<b>1410 THORNE RD</b>	<b>1/8 - 1/4 ESE</b>	<b>F25</b>	<b>34</b>
<b>AIR LIQUIDE AMERICA CORPORATIO</b>	<b>1451 THORNE RD.</b>	<b>1/8 - 1/4 SE</b>	<b>G30</b>	<b>51</b>
<b>REFLEX RECYCLING</b>	<b>2432 E 11TH ST</b>	<b>1/4 - 1/2 NE</b>	<b>I38</b>	<b>69</b>
<b>TACOMA PORT MAINTENANCE FACILI</b>	<b>802 PORT CENTER RD</b>	<b>1/4 - 1/2 N</b>	<b>39</b>	<b>70</b>
<b>CONTAINER STORAGE INC THORNE R</b>	<b>1721 THORNE RD</b>	<b>1/4 - 1/2 SE</b>	<b>44</b>	<b>75</b>
<b>GEORGIA PACIFIC RESINS INC</b>	<b>1754 THORNE RD</b>	<b>1/4 - 1/2 SE</b>	<b>46</b>	<b>76</b>
<b>CASCADE TIMBER 3 US OIL</b>	<b>THORNE RD / MAXWELL</b>	<b>1/4 - 1/2 SE</b>	<b>J50</b>	<b>84</b>

**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 07/05/2005 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
<b>UNION PACIFIC RAILROAD</b>	<b>1119 MILWAUKEE WAY</b>	<b>1/8 - 1/4 SSW</b>	<b>D13</b>	<b>29</b>
<b>PORT OF TACOMA</b>	<b>1 SITCOM PLAZA</b>	<b>1/8 - 1/4 WSW</b>	<b>26</b>	<b>35</b>
<b>NORTHWEST FOREST PRODUCTS</b>	<b>1476 THORNE ROAD</b>	<b>1/8 - 1/4 SE</b>	<b>G31</b>	<b>52</b>
<b>BILLENE'S DELI MART</b>	<b>801 E 11TH ST</b>	<b>1/4 - 1/2 SW</b>	<b>H34</b>	<b>54</b>
<b>FAIRLINER MARINA</b>	<b>2560 E 11TH ST</b>	<b>1/4 - 1/2 NE</b>	<b>42</b>	<b>73</b>
<b>PACIFIC TRANSPORTATION GROUP I</b>	<b>1440 PORT OF TACOMA RD</b>	<b>1/4 - 1/2 E</b>	<b>45</b>	<b>75</b>

## EXECUTIVE SUMMARY

**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 07/11/2005 has revealed that there are 9 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HERTZ EQUIPMENT RENTAL CORPORA	2216 EAST 11TH STREET	0 - 1/8 NE	B6	24
<b>WILLIAM DRURY CO</b>	<b>2220 E 11TH ST</b>	<b>0 - 1/8 NE</b>	<b>B8</b>	<b>25</b>
SHAUB ELLISON CO	1132 THORNE RD	0 - 1/8 E	C9	25
UNION PACIFIC RAILROAD	1119 MILWAUKEE WAY	1/8 - 1/4 SSW	D15	31
CITY OF TACOMA	2316 E 11TH	1/8 - 1/4 NE	E21	33
GEORGIA PACIFIC CORPORATION	2303 ROSS WAY	1/8 - 1/4 ENE	22	33
<b>PORT OF TACOMA</b>	<b>1 SITCOM PLAZA</b>	<b>1/8 - 1/4 WSW</b>	<b>26</b>	<b>35</b>
<b>AIR LIQUIDE AMERICA CORPORATIO</b>	<b>1451 THORNE RD.</b>	<b>1/8 - 1/4 SE</b>	<b>G30</b>	<b>51</b>
<b>NORTHWEST FOREST PRODUCTS</b>	<b>1476 THORNE ROAD</b>	<b>1/8 - 1/4 SE</b>	<b>G31</b>	<b>52</b>

**INST CONTROL:**Sites that have institutional controls.

A review of the INST CONTROL list, as provided by EDR, and dated 12/05/2005 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>UNION PACIFIC RR</b>	<b>1119 MILWAUKEE WAY</b>	<b>1/8 - 1/4 SSW</b>	<b>D14</b>	<b>30</b>
<b>CASCADE TIMBER 3 POT</b>	<b>THORNE RD &amp; MAXWELL</b>	<b>1/4 - 1/2 SE</b>	<b>J49</b>	<b>83</b>

**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 07/05/2005 has revealed that there are 3 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>TACOMA CITY FIRE STATION 12</b>	<b>2316 E 11TH ST</b>	<b>1/8 - 1/4 NE</b>	<b>E18</b>	<b>32</b>
<b>REFLEX RECYCLING</b>	<b>2432 E 11TH ST</b>	<b>1/4 - 1/2 NE</b>	<b>I38</b>	<b>69</b>
<b>TACOMA PORT MAINTENANCE FACILI</b>	<b>802 PORT CENTER RD</b>	<b>1/4 - 1/2 N</b>	<b>39</b>	<b>70</b>

**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 8 ICR sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF TACOMA/802 PORT CENTER	1 SITCUM PLAZA	0 - 1/8 NNE	A1	20
FIRE STATION #12	2316 E. 11TH	1/8 - 1/4 NE	E20	33
<b>PORT OF TACOMA</b>	<b>1 SITCOM PLAZA</b>	<b>1/8 - 1/4 WSW</b>	<b>26</b>	<b>35</b>
<b>NORTHWEST FOREST PRODUCTS</b>	<b>1476 THORNE ROAD</b>	<b>1/8 - 1/4 SE</b>	<b>G31</b>	<b>52</b>
TEXACO GAS & DELI	801 E. 11TH ST.	1/4 - 1/2 SW	H35	56
MCKENZIE FUEL	2432 E. 11TH	1/4 - 1/2 NE	I36	57

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>FAIRLINER MARINA</i>	<i>2560 E 11TH ST</i>	<i>1/4 - 1/2 NE</i>	<i>42</i>	<i>73</i>
<i>PACIFIC TRANSPORTATION GROUP I</i>	<i>1440 PORT OF TACOMA RD</i>	<i>1/4 - 1/2 E</i>	<i>45</i>	<i>75</i>

### TRIBAL RECORDS

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

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PUYALLUP INDIAN RESERVATION		1/2 - 1 SE	0	6



## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

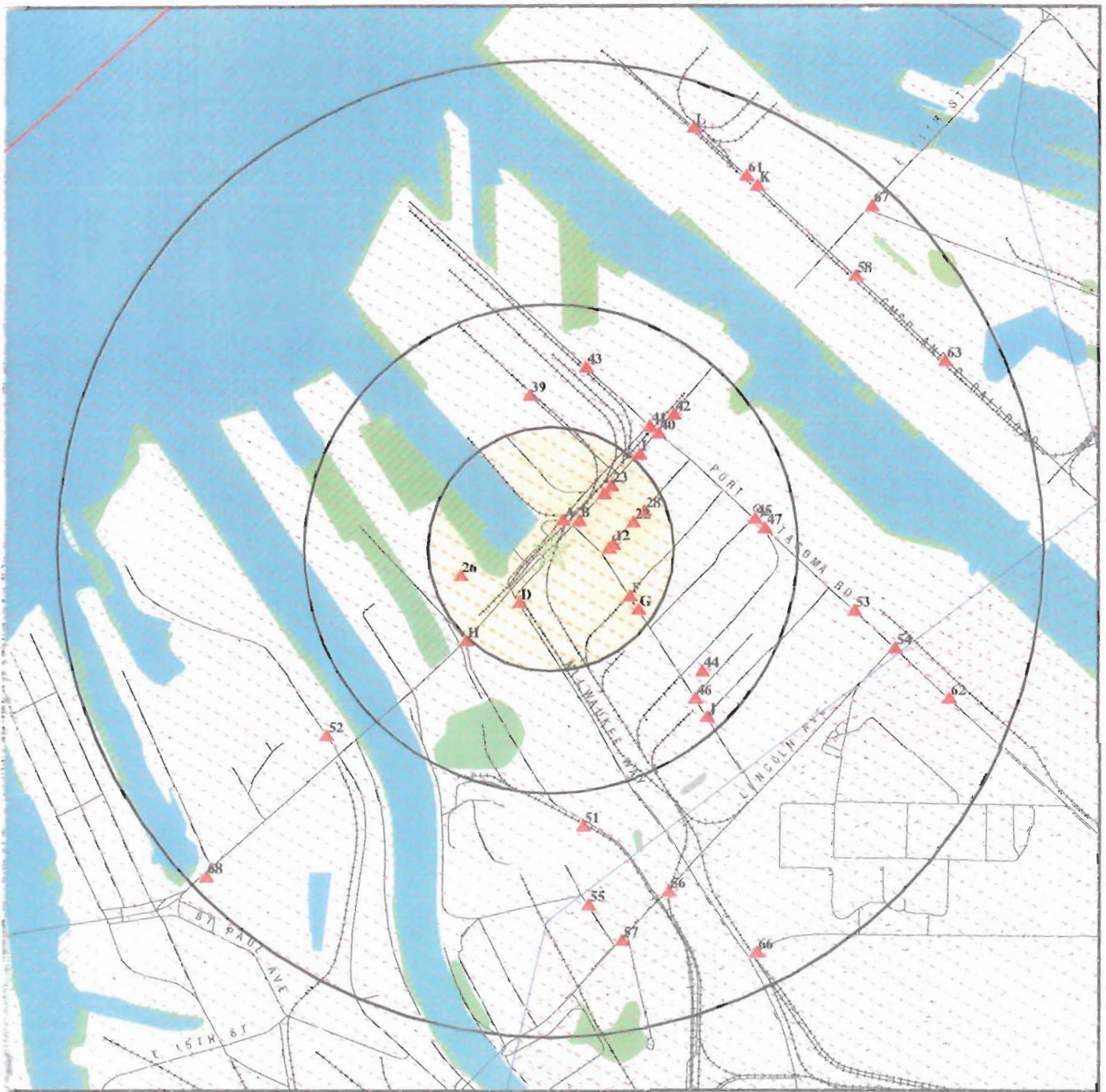
### Site Name

PUYALLUP LAND SETTLEMENT E  
UNION PACIFIC RAILROAD TUNNEL  
RECOVERY 1  
CITY OF TACOMA EDUCTOR WASTE DECANT FACILITY  
MULTIMODAL ENGINEERING CORP  
PHOENIX ENVIRONMENTAL SVCS INC TRANSFER  
EVERGREEN TACOMA PORT  
PIERCE COUNTY TERMINAL PORT OF TACOMA  
TACOMA CITY THEA FOSS WATERWAY  
EAST 11TH ST PROPERTIES  
US OIL/HYUNDAI TERMINAL  
EAST 11TH ST PROPERTIES  
PUYALLUP LAND SETTLEMENT D

### Database(s)

CSCSL, FINDS  
CERCLIS, FINDS  
RCRA-SQG, FINDS, SWF/LF  
SWF/LF, SPILLS  
RCRA-SQG, FINDS  
RCRA-SQG, FINDS  
RCRA-SQG, FINDS  
RCRA-LQG  
RCRA-LQG  
FINDS, VCP  
ICR  
CSCSL NFA  
CSCSL NFA

# OVERVIEW MAP - 1601090.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

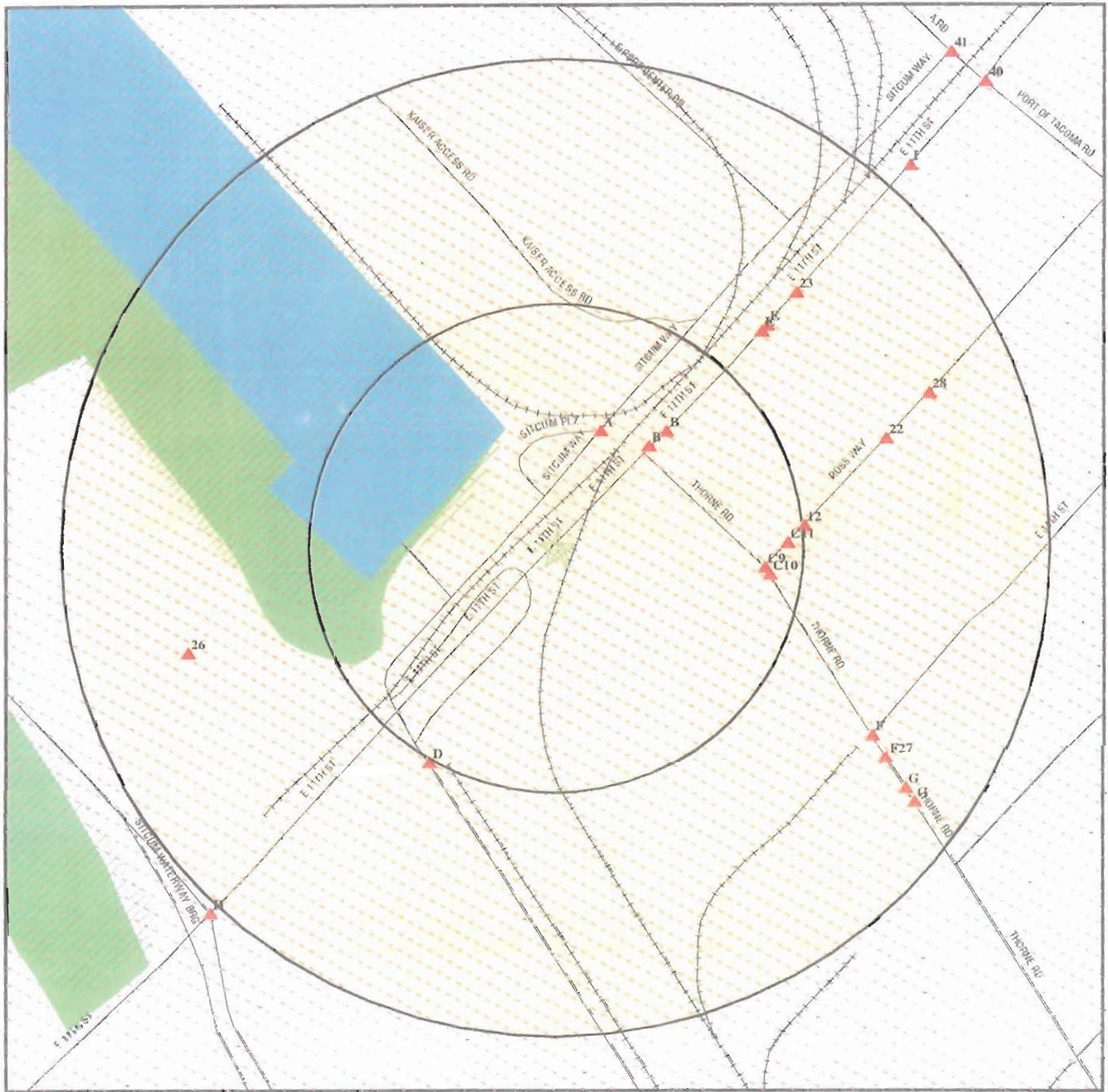
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

SITE NAME: Brown & Haley  
 ADDRESS: 1940 East 11th Street  
 Tacoma WA 98421  
 LAT/LONG: 47.2652 / 122.4113

CLIENT: iNowicki Env. Services Inc  
 CONTACT: Walt Pich  
 INQUIRY #: 1601090.2s  
 DATE: January 26, 2006



# DETAIL MAP - 1601090.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands

0 1/16 1/8 1/4 Miles

SITE NAME: Brown & Haley  
 ADDRESS: 1940 East 11th Street  
 Tacoma WA 98421  
 LAT/LONG: 47.2652 / 122.4113

CLIENT: Nowicki Env. Services Inc  
 CONTACT: Walt Pich  
 INQUIRY #: 1601090.2s  
 DATE: January 26, 2006

## 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
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	1	0	0	0	NR	1
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	1	1	1	NR	NR	3
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	2	4	NR	6
RCRA TSD		0.500	0	0	1	NR	NR	1
RCRA Lg. Quan. Gen.		0.250	2	0	NR	NR	NR	2
RCRA Sm. Quan. Gen.		0.250	5	11	NR	NR	NR	16
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	1	0	0	NR	NR	1
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	1	0	0	0	NR	1
ROD		1.000	1	0	0	0	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	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
SSTS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
CSCSL		1.000	0	1	5	17	NR	23
HSL		1.000	0	0	0	0	NR	0
CSCSL NFA		0.500	2	4	5	NR	NR	11
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	3	3	NR	NR	6
UST		0.250	3	6	NR	NR	NR	9
AST		0.250	0	0	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	1	1	NR	NR	2
VCP		0.500	0	1	2	NR	NR	3
ICR		0.500	1	3	4	NR	NR	8
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
WA Emissions	TP		NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	1	NR	1

## 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
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
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



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

IND RES PUYALLUP INDIAN RESERVATION  
Region  
SE PUYALLUP INDIAN RESERVATI (County), WA  
1/2-1  
3157 ft.

INDIAN RESERV CIND050095  
N/A

FEDERAL INDIAN SITES:

Feature : Indian Reservation  
Agency : BIA  
Name : Puyallup Indian Reservation  
State : WA

NPL US EPA COMMENCEMENT BAY NEARSHORE  
Region TIDEFLATS INDUSTRIAL SEC  
< 1/8 TACOMA, WA 98422  
1 ft.

CERCLIS 1000297462  
RCRA-SQG WAD980726368  
FINDS  
NPL  
CONSENT  
ROD  
US ENG CONTROLS

CERCLIS Classification Data:

Federal Facility:	Not a Federal Facility	
Non NPL Status:	Not reported	
NPL Status:	Currently on the Final NPL	
Contact:	KAREN KEELEY	Contact Tel: (206) 553-2141
Contact Title:	Not reported	
Contact:	LEE MARSHALL	Contact Tel: (206) 553-2723
Contact Title:	Not reported	
Contact:	KEVIN ROCHLIN	Contact Tel: (206) 553-2106
Contact Title:	Not reported	
Contact:	JEFF RODIN	Contact Tel: (206) 553-6709
Contact Title:	Not reported	

Site Description: The Commencement Bay Near Shore/Tide Flats (CB/NT) Superfund site is located in Tacoma, Washington at the southern end of the main basin of Puget Sound. The site includes 10-12 square miles of shallow water, shoreline, and adjacent land, most of which is highly developed and industrialized. The upland boundaries of the site are defined according to the contours of localized drainage basins that flow into the marine waters. The marine boundary of the site is limited to the shoreline, intertidal areas, bottom sediments, and water of depths less than 60 feet below mean lower low water level (MLLW). The nearshore portion of the site is defined as the area along the Ruston shoreline from the Mouth of Thea Foss Waterway to Pt. Defiance. The tide flats portion of the site includes the Hylebos, Blair, Sitcum, Milwaukee, St. Paul, Middle, Wheeler-Osgood, and Thea Foss waterways; the Puyallup River upstream to the Interstate-5 bridge; and the adjacent land areas. Middle Waterway is located between Thea Foss Waterway and the Puyallup River. EPA placed the CB/NT site on the National Priorities List (NPL) of sites requiring investigation and cleanup under EPA's Superfund Program on September 8, 1983. A remedial investigation/feasibility study (RI/FS) was completed by Washington State Department of Ecology (Ecology) in 1988. The RI/FS evaluated contaminants detected in sediments at the CB/NT Superfund site to identify problem chemicals that pose a risk to human health and the environment. The RI/FS concluded that sediments in the nearshore/tideflats area were contaminated with a large number of hazardous substances at concentrations greatly exceeding those found in Puget Sound reference areas. In the RI, a multi-step decision-making process was used to identify problem chemicals, and to identify and prioritize problem areas where these chemicals were present at concentrations that are harmful to humans and wildlife.

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Contaminated sediments in Middle Waterway have high concentrations of mercury, copper, and polycyclic aromatic hydrocarbons (PAHs). EPA's September 30, 1989 Record of Decision (ROD) for the CB/NT Superfund site selected a remedy involving a combination of five key elements: institutional controls; source control; natural recovery; sediment remedial action; and monitoring to address contaminated sediments in the waterways of the CB/NT site. In 1996, EPA deleted the St. Paul Waterway, the Blair Waterway, and all or part of four properties transferred to the Puyallup Tribe in the Puyallup Land Settlement Agreement from the National Priorities List (NPL) because cleanups had been completed in these areas, or studies had been completed showing that they did not require cleanup. OU 1: Sediment Remediation The Commencement Bay site has been divided into smaller project activities, called operable units (OU), in order to more effectively manage the overall cleanup of the site. In the 1989 ROD, EPA designated two operable units for the cleanup of the nearshore/tideflats portion of Commencement Bay: source control (OU 5), which focuses on efforts to control upland discharges or releases to the Bay; and sediment remediation (OU 1), which addresses the cleanup of the contaminated marine sediments in Commencement Bay. OUs 2-4 and 6 address contamination at geographically separate areas at the former ASARCO smelter and Tacoma Tarpits. The purpose of this Explanation of Significant Differences (ESD) is to describe the specific cleanup plans for Middle Waterway. The specific requirements and clarifications provided in the July 1997 and August 2000 ESDs are not repeated here but are applicable to Middle Waterway as well. This ESD describes the manner in which the remedial methods outlined in the ROD will be applied in Middle Waterway and identifies those instances where the selected remedy differs from the ROD. The Washington Department of Ecology (Ecology) had the opportunity to review and comment on the draft ESD for Middle Waterway. While the state is generally supportive of most of the selected cleanup remedies for the waterway, Ecology disagrees with EPA's decision to leave subsurface contamination in place in Sediment Management Unit (SMU) 51a. EPA has included Ecology's comments and responded to Ecology's concerns in the attached Responsiveness Summary. The Puyallup Tribe also had the opportunity to review and comment on the draft ESD. The primary focus of the Tribe's comments was also on SMU 51a and EPA's decision to leave the subsurface contamination in place at the head of Middle Waterway. The Tribe is not supportive of this action. An ESD addressing OU 1 was completed in February 2002.

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	11/01/1979
Assessment:	PRELIMINARY ASSESSMENT	Completed:	11/01/1979
Assessment:	SITE INSPECTION	Completed:	12/01/1982
Assessment:	SITE INSPECTION	Completed:	12/01/1982
Assessment:	HRS PACKAGE	Completed:	12/08/1982
Assessment:	PROPOSAL TO NPL	Completed:	12/30/1982
Assessment:	COMMUNITY INVOLVEMENT	Completed:	04/13/1983
Assessment:	FINAL LISTING ON NPL	Completed:	09/08/1983
Assessment:	ADMIN ORDER ON CONSENT	Completed:	11/01/1984
Assessment:	COMBINED RI/FS	Completed:	11/01/1984
Assessment:	RI/FS NEGOTIATIONS	Completed:	11/15/1984
Assessment:	RI/FS NEGOTIATIONS	Completed:	08/15/1986
Assessment:	ADMIN ORDER ON CONSENT	Completed:	09/10/1986

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Assessment:	STATE ORDER	Completed:	12/15/1987
Assessment:	PRP RI/FS	Completed:	12/30/1987
Assessment:	REMEDIAL INVESTIGATION	Completed:	12/30/1987
Assessment:	RECORD OF DECISION	Completed:	12/30/1987
Assessment:	ADMINISTRATIVE RECORDS	Completed:	12/31/1987
Assessment:	PRP REMOVAL	Completed:	02/10/1988
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/20/1988
Assessment:	ADMIN ORDER ON CONSENT	Completed:	09/29/1988
Assessment:	REMOVAL NEGOTIATIONS	Completed:	09/29/1988
Assessment:	UNILATERAL ADMIN ORDER	Completed:	09/30/1988
Assessment:	STATE ORDER	Completed:	11/30/1988
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/08/1989
Assessment:	REMOVAL NEGOTIATIONS	Completed:	03/08/1989
Assessment:	PRP RD	Completed:	09/30/1989
Assessment:	RECORD OF DECISION	Completed:	09/30/1989
Assessment:	RECORD OF DECISION	Completed:	09/30/1989
Assessment:	COMBINED RI/FS	Completed:	09/30/1989
Assessment:	COMBINED RI/FS	Completed:	09/30/1989
Assessment:	STATE ORDER	Completed:	01/16/1990
Assessment:	REMOVAL ASSESSMENT	Completed:	07/02/1990
Assessment:	STATE ORDER	Completed:	08/22/1990
Assessment:	Lodged By DOJ	Completed:	09/11/1990
Assessment:	Lodged By DOJ	Completed:	09/11/1990
Assessment:	REMOVAL ASSESSMENT	Completed:	09/17/1990
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/27/1990
Assessment:	PRP RA	Completed:	09/28/1990
Assessment:	STATE ORDER	Completed:	11/16/1990
Assessment:	PRP RI/FS	Completed:	12/31/1990
Assessment:	RECORD OF DECISION	Completed:	12/31/1990
Assessment:	STATE ORDER	Completed:	01/30/1991
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	02/13/1991
Assessment:	REMOVAL NEGOTIATIONS	Completed:	02/14/1991
Assessment:	UNILATERAL ADMIN ORDER	Completed:	02/14/1991
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/29/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/29/1991
Assessment:	CONSENT DECREE	Completed:	05/10/1991
Assessment:	CONSENT DECREE	Completed:	05/10/1991
Assessment:	Lodged By DOJ	Completed:	06/24/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/16/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	07/24/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/25/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/25/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/25/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/25/1991
Assessment:	REMOVAL ASSESSMENT	Completed:	07/25/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	07/29/1991
Assessment:	STATE ORDER	Completed:	07/31/1991
Assessment:	Lodged By DOJ	Completed:	08/21/1991
Assessment:	Lodged By DOJ	Completed:	08/26/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/16/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/26/1991
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/27/1991
Assessment:	STATE ORDER	Completed:	09/30/1991
Assessment:	Lodged By DOJ	Completed:	10/04/1991
Assessment:	Lodged By DOJ	Completed:	10/04/1991

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Assessment:	STATE ORDER	Completed:	10/07/1991
Assessment:	CONSENT DECREE	Completed:	10/19/1991
Assessment:	CONSENT DECREE	Completed:	10/19/1991
Assessment:	UNILATERAL ADMIN ORDER	Completed:	10/23/1991
Assessment:	Explanation Of Significant Differences	Completed:	11/01/1991
Assessment:	PRP RD	Completed:	12/06/1991
Assessment:	CONSENT DECREE	Completed:	12/13/1991
Assessment:	Lodged By DOJ	Completed:	12/30/1991
Assessment:	CONSENT DECREE	Completed:	02/11/1992
Assessment:	SECTION 106 LITIGATION	Completed:	02/11/1992
Assessment:	CONSENT DECREE	Completed:	02/11/1992
Assessment:	PRP REMOVAL	Completed:	02/13/1992
Assessment:	PRP RD	Completed:	03/11/1992
Assessment:	TECHNICAL ASSISTANCE	Completed:	03/20/1992
Assessment:	ADMINISTRATIVE RECORDS	Completed:	05/05/1992
Assessment:	CONSENT DECREE	Completed:	05/18/1992
Assessment:	STATE ORDER	Completed:	06/17/1992
Assessment:	ADMIN ORDER ON CONSENT	Completed:	07/07/1992
Assessment:	PRP FS	Completed:	11/09/1992
Assessment:	STATE CONSENT DECREE	Completed:	12/11/1992
Assessment:	PRP RD	Completed:	01/04/1993
Assessment:	TECHNICAL ASSISTANCE	Completed:	02/04/1993
Assessment:	PRP RD	Completed:	03/03/1993
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/09/1993
Assessment:	PRP RD	Completed:	05/19/1993
Assessment:	COMBINED RI/FS	Completed:	06/16/1993
Assessment:	RECORD OF DECISION	Completed:	06/16/1993
Assessment:	Explanation Of Significant Differences	Completed:	06/24/1993
Assessment:	RD/RA NEGOTIATIONS	Completed:	06/25/1993
Assessment:	ADMINISTRATIVE RECORDS	Completed:	06/25/1993
Assessment:	PRP RA	Completed:	06/30/1993
Assessment:	PRP RD	Completed:	07/01/1993
Assessment:	UNILATERAL ADMIN ORDER	Completed:	08/09/1993
Assessment:	PRP RD	Completed:	08/16/1993
Assessment:	Lodged By DOJ	Completed:	08/16/1993
Assessment:	SECTION 104(E) REF LITIGATION	Completed:	08/27/1993
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	08/31/1993
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	08/31/1993
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	08/31/1993
Assessment:	PRP RD	Completed:	10/07/1993
Assessment:	CONSENT DECREE	Completed:	10/08/1993
Assessment:	ADMIN ORDER ON CONSENT	Completed:	11/29/1993
Assessment:	RD/RA NEGOTIATIONS	Completed:	11/29/1993
Assessment:	Explanation Of Significant Differences	Completed:	11/29/1993
Assessment:	PRP RD	Completed:	12/21/1993
Assessment:	PRP RD	Completed:	02/25/1994
Assessment:	PRP REMOVAL	Completed:	03/07/1994
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/23/1994
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/23/1994
Assessment:	REMEDIAL ACTION	Completed:	08/31/1994
Assessment:	PRP RA	Completed:	09/23/1994
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/27/1994
Assessment:	ADMIN ORDER ON CONSENT	Completed:	10/04/1994
Assessment:	FEASIBILITY STUDY	Completed:	10/04/1994
Assessment:	Lodged By DOJ	Completed:	11/22/1994
Assessment:	Lodged By DOJ	Completed:	12/23/1994

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Assessment:	CONSENT DECREE	Completed:	01/19/1995
Assessment:	PRP REMOVAL	Completed:	01/20/1995
Assessment:	PRP RI/FS	Completed:	03/24/1995
Assessment:	RECORD OF DECISION	Completed:	03/24/1995
Assessment:	CONSENT DECREE	Completed:	05/02/1995
Assessment:	Explanation Of Significant Differences	Completed:	05/09/1995
Assessment:	Lodged By DOJ	Completed:	07/11/1995
Assessment:	PRP RD	Completed:	07/19/1995
Assessment:	PRP RA	Completed:	07/21/1995
Assessment:	PRP RD	Completed:	08/03/1995
Assessment:	PRP RA	Completed:	09/27/1995
Assessment:	CONSENT DECREE	Completed:	11/02/1995
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/06/1996
Assessment:	PRP RD	Completed:	05/08/1996
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	05/31/1996
Assessment:	Lodged By DOJ	Completed:	06/24/1996
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	06/30/1996
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	06/30/1996
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	06/30/1996
Assessment:	Explanation Of Significant Differences	Completed:	07/02/1996
Assessment:	NOTICE OF INTENT TO PARTIALLY DELETE	Completed:	08/28/1996
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	10/18/1996
Assessment:	PARTIAL NPL DELETION	Completed:	10/29/1996
Assessment:	CONSENT DECREE	Completed:	01/03/1997
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	02/19/1997
Assessment:	ADMIN ORDER ON CONSENT	Completed:	04/14/1997
Assessment:	RD/RA NEGOTIATIONS	Completed:	04/14/1997
Assessment:	PRP RA	Completed:	05/22/1997
Assessment:	Explanation Of Significant Differences	Completed:	07/28/1997
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	10/28/1997
Assessment:	ADMIN ORDER ON CONSENT	Completed:	11/06/1997
Assessment:	REMOVAL NEGOTIATIONS	Completed:	11/06/1997
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	04/13/1998
Assessment:	FIVE YEAR REVIEW	Completed:	09/29/1998
Assessment:	ADMIN ORDER ON CONSENT	Completed:	10/13/1998
Assessment:	Lodged By DOJ	Completed:	11/13/1998
Assessment:	CONSENT DECREE	Completed:	12/04/1998
Assessment:	NPL RP SEARCH	Completed:	03/31/1999
Assessment:	ADMIN ORDER ON CONSENT	Completed:	06/09/1999
Assessment:	PRP REMOVAL	Completed:	09/28/1999
Assessment:	Lodged By DOJ	Completed:	10/04/1999
Assessment:	PRP RA	Completed:	11/03/1999
Assessment:	FIVE YEAR REVIEW	Completed:	12/29/1999
Assessment:	FIVE YEAR REVIEW	Completed:	03/31/2000
Assessment:	CONSENT DECREE	Completed:	06/23/2000
Assessment:	PRP RA	Completed:	06/29/2000
Assessment:	PRP RA	Completed:	06/29/2000
Assessment:	PRP RA	Completed:	06/29/2000
Assessment:	PRP FS	Completed:	07/14/2000
Assessment:	RECORD OF DECISION	Completed:	07/14/2000
Assessment:	Explanation Of Significant Differences	Completed:	08/03/2000
Assessment:	PRP RA	Completed:	12/22/2000
Assessment:	PRP RD	Completed:	03/31/2001
Assessment:	PRP RA	Completed:	03/31/2001
Assessment:	NPL RP SEARCH	Completed:	03/31/2001
Assessment:	STATE SUPPORT AGENCY COOP AGREEMENT	Completed:	03/31/2001



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Assessment:	ENGINEERING EVAL/COST ANALYSIS	Completed:	06/04/2001
Assessment:	ENGINEERING EVAL/COST ANALYSIS	Completed:	07/06/2001
Assessment:	ADMIN ORDER ON CONSENT	Completed:	07/24/2001
Assessment:	REMOVAL NEGOTIATIONS	Completed:	07/24/2001
Assessment:	COMMUNITY ADVISORY GROUP	Completed:	09/30/2001
Assessment:	ENGINEERING EVAL/COST ANALYSIS	Completed:	12/21/2001
Assessment:	Explanation Of Significant Differences	Completed:	02/04/2002
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/05/2002
Assessment:	UNILATERAL ADMIN ORDER	Completed:	03/05/2002
Assessment:	ADMIN ORDER ON CONSENT	Completed:	03/21/2002
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/25/2002
Assessment:	RD/RA NEGOTIATIONS	Completed:	03/25/2002
Assessment:	UNILATERAL ADMIN ORDER	Completed:	03/25/2002
Assessment:	UNILATERAL ADMIN ORDER	Completed:	03/25/2002
Assessment:	UNILATERAL ADMIN ORDER	Completed:	03/25/2002
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/29/2002
Assessment:	RD/RA NEGOTIATIONS	Completed:	09/30/2002
Assessment:	UNILATERAL ADMIN ORDER	Completed:	09/30/2002
Assessment:	Lodged By DOJ	Completed:	03/03/2003
Assessment:	Lodged By DOJ	Completed:	03/03/2003
Assessment:	Explanation Of Significant Differences	Completed:	03/20/2003
Assessment:	PRP RA	Completed:	03/28/2003
Assessment:	PRP REMOVAL	Completed:	03/31/2003
Assessment:	RD/RA NEGOTIATIONS	Completed:	04/15/2003
Assessment:	RD/RA NEGOTIATIONS	Completed:	04/15/2003
Assessment:	CONSENT DECREE	Completed:	05/09/2003
Assessment:	CONSENT DECREE	Completed:	05/09/2003
Assessment:	CONSENT DECREE	Completed:	06/01/2003
Assessment:	Lodged By DOJ	Completed:	06/12/2003
Assessment:	Lodged By DOJ	Completed:	06/12/2003
Assessment:	PRP RD	Completed:	07/28/2003
Assessment:	CONSENT DECREE	Completed:	08/14/2003
Assessment:	CONSENT DECREE	Completed:	08/14/2003
Assessment:	CONSENT DECREE	Completed:	09/15/2003
Assessment:	Lodged By DOJ	Completed:	09/15/2003
Assessment:	PRP RD	Completed:	09/19/2003
Assessment:	FIVE YEAR REVIEW	Completed:	09/25/2003
Assessment:	Lodged By DOJ	Completed:	10/06/2003
Assessment:	PRP RD	Completed:	11/10/2003
Assessment:	PRP RA	Completed:	12/16/2003
Assessment:	CONSENT DECREE	Completed:	12/17/2003
Assessment:	READY-FOR-REUSE EVALUATION CHECKLIST	Completed:	03/22/2004
Assessment:	PRP RD	Completed:	04/07/2004
Assessment:	PRP RD	Completed:	04/14/2004
Assessment:	Lodged By DOJ	Completed:	06/02/2004
Assessment:	CONSENT DECREE	Completed:	09/15/2004
Assessment:	PRP RD	Completed:	09/30/2004
Assessment:	Explanation Of Significant Differences	Completed:	09/30/2004
Assessment:	PRP LR	Completed:	10/18/2004
Assessment:	FIVE YEAR REVIEW	Completed:	12/29/2004
Assessment:	PRP REMOVAL	Completed:	02/01/2005
Assessment:	PRP REMOVAL	Completed:	02/01/2005
Assessment:	Lodged By DOJ	Completed:	02/08/2005
Assessment:	CONSENT DECREE	Completed:	03/15/2005
Assessment:	REMOVAL	Completed:	08/20/2005

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

CERCLIS Site Status:

Stabilized

CERCLIS Alias Name(s):

COMMENCEMENT BAY - NEARSHORE/TIDEFLATS  
COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS  
COMMENCEMENT BAY, NEAR SHORE/TIDE FLATS

US Engineering Control Sites:

EPA ID: WAD980726368  
Site ID: 1000981  
EPA Region: 10  
County: PIERCE  
Event Code : Not reported  
Actual Date: Not reported

Action ID: 020  
Action Name: PRP RD  
Action Completion date: 09/30/04  
Planned Completion date: 01/30/05  
Operable Unit: 19  
Contaminated Media: Sediment  
Contam. Media num.: 10272590.00000  
Engineering Control: Cap

Action ID: 015  
Action Name: PRP RA  
Action Completion date: / /  
Planned Completion date: 09/30/08  
Operable Unit: 20  
Contaminated Media: Soil  
Contam. Media num.: 10271132.00000  
Engineering Control: Cap

Action ID: 016  
Action Name: PRP RA  
Action Completion date: 12/16/03  
Planned Completion date: 12/30/03  
Operable Unit: 13  
Contaminated Media: Sediment  
Contam. Media num.: 10273033.00000  
Engineering Control: Cap

Action ID: 017  
Action Name: PRP RA  
Action Completion date: / /  
Planned Completion date: 06/30/05  
Operable Unit: 17  
Contaminated Media: Sediment  
Contam. Media num.: 10273158.00000  
Engineering Control: Cap

Action ID: 018  
Action Name: PRP RA  
Action Completion date: / /  
Planned Completion date: 03/30/07  
Operable Unit: 12  
Contaminated Media: Sediment  
Contam. Media num.: 10272950.00000  
Engineering Control: Cap

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Action ID: 020  
Action Name: PRP RA  
Action Completion date: / /  
Planned Completion date: 03/30/06  
Operable Unit: 23  
Contaminated Media: Groundwater  
Contam. Media num.: 10272874.00000  
Engineering Control: Pump And Treat

Action ID: 022  
Action Name: PRP RA  
Action Completion date: / /  
Planned Completion date: 03/30/06  
Operable Unit: 14  
Contaminated Media: Sediment  
Contam. Media num.: 10273183.00000  
Engineering Control: Cap

Action ID: 008  
Action Name: Explanation Of Significant Differences  
Action Completion date: 02/04/02  
Planned Completion date: 03/30/02  
Operable Unit: 01  
Contaminated Media: Sediment  
Contam. Media num.: 10272923.00000  
Engineering Control: Cap

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 12/31/90  
Planned Completion date: 06/30/91  
Operable Unit: 21  
Contaminated Media: Surface Water  
Contam. Media num.: 10270919.00000  
Engineering Control: Pump And Treat

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Other  
Contam. Media num.: 10270913.00000  
Engineering Control: Cap

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Other  
Contam. Media num.: 10270913.00000  
Engineering Control: Access Restriction, Fencing

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Debris

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Contam. Media num.: 10270921.00000  
Engineering Control: Cap  
  
Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Debris  
Contam. Media num.: 10270921.00000  
Engineering Control: Access Restriction, Fencing  
  
Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Soil  
Contam. Media num.: 10270922.00000  
Engineering Control: Cap  
  
Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 06/16/93  
Planned Completion date: 06/30/93  
Operable Unit: 22  
Contaminated Media: Soil  
Contam. Media num.: 10270922.00000  
Engineering Control: Access Restriction, Fencing  
  
Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 03/24/95  
Planned Completion date: 03/30/95  
Operable Unit: 20  
Contaminated Media: Soil  
Contam. Media num.: 10270924.00000  
Engineering Control: Cap  
  
Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 03/24/95  
Planned Completion date: 03/30/95  
Operable Unit: 20  
Contaminated Media: Other  
Contam. Media num.: 10270929.00000  
Engineering Control: Cap  
  
Action ID: 007  
Action Name: RECORD OF DECISION  
Action Completion date: 07/14/00  
Planned Completion date: 09/30/00  
Operable Unit: 19  
Contaminated Media: Sediment  
Contam. Media num.: 10272536.00000  
Engineering Control: Cap

NPL:

EPA ID: WAD980726368  
Region: 10  
Federal: General

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

Final Date: 09/08/1983

NPL SUMMARY:

Summary :

Conditions at listing (October 1981): The Commencement Bay, Nearshore/Tideflats Site covers about 16 acres in Pierce County around Tacoma, Washington. The area is heavily industrialized and includes a copper smelter, pulp mill, and several chemical industries. About 50,000 people live nearby. High levels of arsenic and aluminum are found in soils in heavily populated residential areas, and high levels of arsenic have been found in the urine of nearby school children. A wide range of pollutants is found in the waterways of the tideflats. The land is predominantly privately owned, although a Port Authority is on site, and an Indian tribe claims much of the area. The extent of past versus ongoing contamination is unknown. This is one of two Commencement Bay Sites. They were considered one site when they were first listed. Status July 1983: In April 1983, EPA awarded a \$1,357,751 Cooperative Agreement to Washington for a remedial investigation to determine the type and extent of contamination at the site. The work is scheduled to be completed in the first quarter of 1985. In addition, EPA and the State are considering a number of legal actions under other environmental laws.

NPL Contaminant:

NPL Status: Final  
Substance Id: D004  
Case Num: 7440-38-2  
Substance : ARSENIC  
Pathway : AIR  
GW Scoring : Not reported  
SW Scoring : Not reported  
Air Scoring: Observed Release & Toxicity  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: A051  
Case Num: 79-34-5  
Substance : TETRACHLOROETHANE, NOS  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: C138  
Case Num: 7647-14-5  
Substance : SODIUM CHLORIDE  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

NPL Status: Final  
Substance Id: U044  
Case Num: 67-66-3  
Substance : CHLOROFORM  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U131  
Case Num: 67-72-1  
Substance : HEXACHLOROETHANE  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U211  
Case Num: 56-23-5  
Substance : CARBON TETRACHLORIDE  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release & Toxicity  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U228  
Case Num: 79-01-6  
Substance : TRICHLOROETHYLENE (TCE)  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: W001  
Case Num: Not reported  
Substance : HEAVY METALS, NOS  
Pathway : The Ground water migration route , or pathway.  
GW Scoring : Observed Release  
SW Scoring : Not reported  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

NPL Status:            Final  
Substance Id:          A020  
Case Num:              7440-47-3  
Substance :            CHROMIUM AND COMPOUNDS, NOS (CR)  
Pathway :              SW  
GW Scoring :          Not reported  
SW Scoring :          Observed Release  
Air Scoring:           Not reported  
Soil Scoring:          Not reported  
DC Scoring:           Not reported  
FE Scoring:           Not reported

NPL Status:            Final  
Substance Id:          A051  
Case Num:              79-34-5  
Substance :            TETRACHLOROETHANE, NOS  
Pathway :              SW  
GW Scoring :          Not reported  
SW Scoring :          Observed Release  
Air Scoring:           Not reported  
Soil Scoring:          Not reported  
DC Scoring:           Not reported  
FE Scoring:           Not reported

NPL Status:            Final  
Substance Id:          C132  
Case Num:              Not reported  
Substance :            HYDROCARBONS, NOS  
Pathway :              SW  
GW Scoring :          Not reported  
SW Scoring :          Observed Release  
Air Scoring:           Not reported  
Soil Scoring:          Not reported  
DC Scoring:           Not reported  
FE Scoring:           Not reported

NPL Status:            Final  
Substance Id:          C460  
Case Num:              7439-97-6  
Substance :            MERCURY  
Pathway :              SW  
GW Scoring :          Not reported  
SW Scoring :          Observed Release  
Air Scoring:           Not reported  
Soil Scoring:          Not reported  
DC Scoring:           Not reported  
FE Scoring:           Not reported

NPL Status:            Final  
Substance Id:          D004  
Case Num:              7440-38-2  
Substance :            ARSENIC  
Pathway :              SW  
GW Scoring :          Not reported  
SW Scoring :          Observed Release & Toxicity  
Air Scoring:           Not reported  
Soil Scoring:          Not reported  
DC Scoring:           Not reported  
FE Scoring:           Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

NPL Status: Final  
Substance Id: U044  
Case Num: 67-66-3  
Substance : CHLOROFORM  
Pathway : SW  
GW Scoring : Not reported  
SW Scoring : Observed Release  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U077  
Case Num: 107-06-2  
Substance : DICHLOROETHANE, 1,2-  
Pathway : SW  
GW Scoring : Not reported  
SW Scoring : Observed Release  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U211  
Case Num: 56-23-5  
Substance : CARBON TETRACHLORIDE  
Pathway : SW  
GW Scoring : Not reported  
SW Scoring : Observed Release & Toxicity  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Status: Final  
Substance Id: U228  
Case Num: 79-01-6  
Substance : TRICHLOROETHYLENE (TCE)  
Pathway : SW  
GW Scoring : Not reported  
SW Scoring : Observed Release  
Air Scoring: Not reported  
Soil Scoring: Not reported  
DC Scoring: Not reported  
FE Scoring: Not reported

NPL Site:  
CERCLIS Id: WAD980726368  
Site City: PIERCE COUNTY  
Site State: WA  
NPL Status: Current  
Status Date: 12/30/82  
Federal Site: No

CERCLIS Id: WAD980726368  
Site City: PIERCE COUNTY  
Site State: WA

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

NPL Status:	Current
Status Date:	09/08/83
Federal Site:	No
NPL Char:	
NPL Status:	Final
Category Description:	DEPTH TO AQUIFER
Category Value:	10
NPL Status:	Final
Category Description:	DISTANCE TO THE NEAREST POPULATION
Category Value:	10
NPL Status:	Final
Category Description:	OBSERVED RELEASE-Air
Category Value:	Not reported
NPL Status:	Final
Category Description:	OBSERVED RELEASE-Direct Contact
Category Value:	Not reported
NPL Status:	Final
Category Description:	OBSERVED RELEASE-Ground Water
Category Value:	Not reported
NPL Status:	Final
Category Description:	OBSERVED RELEASE-Surface Water
Category Value:	Not reported
NPL Status:	Final
Category Description:	OTHER GROUND WATER USE-Commercial
Category Value:	Not reported
NPL Status:	Final
Category Description:	OTHER GROUND WATER USE-Industrial Process Cooling
Category Value:	Not reported
NPL Status:	Final
Category Description:	OTHER GROUND WATER USE-Irrigation
Category Value:	Not reported
NPL Status:	Final
Category Description:	OTHER GROUND WATER USE-Unknown
Category Value:	Not reported
NPL Status:	Final
Category Description:	PHYSICAL STATE-Liquid
Category Value:	Not reported
NPL Status:	Final
Category Description:	PHYSICAL STATE-Solid
Category Value:	Not reported
NPL Status:	Final
Category Description:	SITE ACTIVITY WASTE SOURCE-Manufacturing
Category Value:	Not reported
NPL Status:	Final
Category Description:	SITE ACTIVITY WASTE SOURCE-Manufacturing Electronic/Electric
Category Value:	Not reported
NPL Status:	Final
Category Description:	SITE ACTIVITY WASTE SOURCE-Manufacturing Primary Metals
Category Value:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

US EPA COMMENCEMENT BAY NEARSHORE (Continued)

1000297462

NPL Status: Final  
Category Description: SURFACE WATER ADJACENT TO SITE-Bay  
Category Value: Not reported

NPL SITE STATUS:

NPL Status: Final  
Proposed Date: 12/30/1982  
Final Date: 09/08/1983  
Deleted Date: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

CONSENT:

Full-text of a consent decree on this site issued by a United States District Court is available from EDR.

RCRAInfo:

Owner: US EPA  
EPA ID: WAD980726368  
Contact: LORI COHEN  
(206) 553-6708

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

A1  
NNE  
< 1/8  
338 ft.

PORT OF TACOMA/802 PORT CENTER  
1 SITCUM PLAZA  
TACOMA, WA 98401

ICR S105454215  
N/A

Relative:  
Higher

Actual:  
6 ft.

Site 1 of 2 in cluster A

WA ICR:  
Date Ecology Received Report: 03/12/1999  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-14  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

A2 TACOMA PORT TERMINAL 7  
NNE TACOMA PORT 1 SITCUM PLZA  
< 1/8 TACOMA, WA 98421  
338 ft.

CSCSL NFA S104972018  
N/A

Site 2 of 2 in cluster A

Relative:  
Higher

WA NFA:

Facility/Site Id : 1250  
Ecology Status : Awaiting Site Hazard Assessment  
Independent Status Code : Not reported  
WARM Bin Number : Not reported  
NFA Code : NFA after Assessment IRAP or VCP  
NFA Date : 01/16/96  
Program Plan Code : Not reported  
NFA Desc : NFA after assessment, IRAP, or VCP

Actual:  
6 ft.

B3 TACOMA PORT CONTAINER FREIGHT STATION  
NE 2207 E 11TH ST  
< 1/8 TACOMA, WA 98421  
369 ft.

RCRA-SQG 1005445142  
FINDS WAH000014001

Site 1 of 6 in cluster B

Relative:  
Higher

RCRAInfo:

Owner: TACOMA PORT  
(360)385-5841  
EPA ID: WAH000014001  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

Actual:  
6 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

B4 CAROTRANS INTERNATIONAL\*  
NE 2207 E 11TH ST TERMINAL 7  
< 1/8 TACOMA, WA 98421  
372 ft.

RCRA-LQG 1007265552  
WAH000021295

Site 2 of 6 in cluster B

Relative:  
Higher

RCRAInfo:

Owner: CAROTRANS INTERNATIONAL  
(630)321-1201  
EPA ID: WAH000021295  
Contact: PHIL MITCHELL  
(630)321-1201  
Classification: Large Quantity Generator  
TSDF Activities: Not reported

Actual:  
6 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CAROTRANS INTERNATIONAL\* (Continued)

1007265552

Violation Status: No violations found

B5 PUGLIA ENGINEERING  
NE 2216 E 11TH ST  
< 1/8 TACOMA, WA 98421  
414 ft.

RCRA-SQG 1001234030  
FINDS WAH000004408  
CA HAZNET

Relative:  
Higher

Site 3 of 6 in cluster B

Actual:  
6 ft.

RCRAInfo:

Owner: PUGLIA ENGINEERING

(253)627-7232

EPA ID: WAH000004408

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:

WAC 173-303-200(1)(D)

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined:

06/02/1998

Actual Date Achieved Compliance:

06/02/1998

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/02/1998

Penalty Type:

Not reported

Regulation Violated:

WAC 173-303-200(1)(C)

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined:

06/02/1998

Actual Date Achieved Compliance:

06/02/1998

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/02/1998

Penalty Type:

Not reported

Regulation Violated:

WAC 173-303-200(1)(A)

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined:

06/02/1998

Actual Date Achieved Compliance:

06/04/1998

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/02/1998

Penalty Type:

Not reported

Regulation Violated:

WAC 173-303-630(5)

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined:

06/02/1998

Actual Date Achieved Compliance:

06/02/1998

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/02/1998

Penalty Type:

Not reported

Regulation Violated:

WAC 173-303-630(7)

Area of Violation:

GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined:

06/02/1998

Actual Date Achieved Compliance:

06/02/1998

Enforcement Action:

WRITTEN INFORMAL

Enforcement Action Date:

06/02/1998

Penalty Type:

Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**PUGLIA ENGINEERING (Continued)**

**1001234030**

Regulation Violated:            WAC 173-303-630(6)  
Area of Violation:            GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined:    06/02/1998  
Actual Date Achieved Compliance: 06/02/1998  
  
Enforcement Action:            WRITTEN INFORMAL  
Enforcement Action Date:       06/02/1998  
Penalty Type:                  Not reported  
  
Regulation Violated:            WAC 173-303-640(1)(C)  
Area of Violation:            GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined:    06/02/1998  
Actual Date Achieved Compliance: 06/15/1998  
  
Enforcement Action:            WRITTEN INFORMAL  
Enforcement Action Date:       06/02/1998  
Penalty Type:                  Not reported

There are 7 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19980602
	GENERATOR-GENERAL REQUIREMENTS	19980602
	GENERATOR-GENERAL REQUIREMENTS	19980604
	GENERATOR-GENERAL REQUIREMENTS	19980602
	GENERATOR-GENERAL REQUIREMENTS	19980602
	GENERATOR-GENERAL REQUIREMENTS	19980602
	GENERATOR-GENERAL REQUIREMENTS	19980615

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**HAZNET:**

Gepaid:            WAH000004408  
TSD EPA ID:       CAD980884183  
Gen County:       99  
Tsd County:       99  
Tons:              1.11  
Facility Address 2: Not reported  
Waste Category:  
Disposal Method: Disposal, Other  
Contact:           ROCKLAND BECKER  
Telephone:        (253) 627-7232  
Mailing Name:      Not reported  
Mailing Address: 2216 E 11TH ST  
                     TACOMA, WA 98421  
County             99

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

B6 HERTZ EQUIPMENT RENTAL CORPORATION  
NE 2216 EAST 11TH STREET  
< 1/8 TACOMA, WA 98421  
414 ft.

UST U003353212  
N/A

Relative:  
Higher

Site 4 of 6 in cluster B

Actual:  
6 ft.

UST:

Facility ID: 11311  
Site ID: 49245331  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: 1)DIESEL  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 11311  
Site ID: 49245331  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: 2)GASOLINE  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 11311  
Site ID: 49245331  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: 3)WASTEOIL  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

B7 PUGLIA ENGINEERING HERTZ EQUIPMENT  
NE 2217 E 11TH ST  
< 1/8 TACOMA, WA 98421  
415 ft.

CSCSL NFA S104971988  
N/A

Relative:  
Higher

Site 5 of 6 in cluster B

Actual:  
6 ft.

WA NFA:

Facility/Site Id : 13555  
Ecology Status : Independent Remedial Action  
Independent Status Code : Final Independent RA Report received  
WARM Bin Number : Not reported  
NFA Code : NFA after Assessment IRAP or VCP  
NFA Date : 09/16/96  
Program Plan Code : 3  
NFA Desc : NFA after assessment, IRAP, or VCP

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B8**  
**NE**  
**< 1/8**  
**431 ft.**

**WILLIAM DRURY CO**  
**2220 E 11TH ST**  
**TACOMA, WA 98421**

**RCRA-SQG**  
**FINDS**  
**UST**

**1000697078**  
**WAD988507562**

**Relative:**  
**Higher**

**Actual:**  
**6 ft.**

**Site 6 of 6 in cluster B**

**RCRAInfo:**

Owner: WILLIAM DRURY CO

EPA ID: WAD988507562

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: WAC 173-303-141

Area of Violation: GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined: 09/09/1999

Actual Date Achieved Compliance: 09/30/1999

Enforcement Action: WRITTEN INFORMAL

Enforcement Action Date: 09/09/1999

Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation

Compliance Evaluation Inspection

Area of Violation

GENERATOR-GENERAL REQUIREMENTS

Date of  
Compliance  
19990930

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**UST:**

Facility ID: 2364

Site ID: 14213251

Install Date: 12/31/64

Capacity: Not reported

Status: Closed in Place

Tank Name: 1

Substance: LEADED GASOLINE

Compartment #: 1

Ecology Region: South Western

**C9**  
**East**  
**< 1/8**  
**556 ft.**

**SHAUB ELLISON CO**  
**1132 THORNE RD**  
**TACOMA, WA 98421**

**UST** **U003354094**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**7 ft.**

**Site 1 of 3 in cluster C**

**UST:**

Facility ID: 3200

Site ID: 42584843

Install Date: 12/31/64

Capacity: Not reported

Status: Removed

Tank Name: 1

Substance: LEADED GASOLINE

Compartment #: 1

Ecology Region: South Western



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SHAUB ELLISON CO (Continued)

U003354094

Facility ID: 3200  
Site ID: 42584843  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: 2  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

C10 RAVEN INDUSTRIES INC NORCORE PLASTICS  
East 1144 THORNE RD  
< 1/8 TACOMA, WA 98421  
572 ft.

FINDS 1000180342  
RCRA-LQG WAD004902334

Relative: Site 2 of 3 in cluster C  
Higher

Actual:  
7 ft.

RCRAInfo:  
Owner: RAVEN INDUSTRIES  
(800)227-2836 1  
EPA ID: WAD004902334  
Contact: Not reported  
Classification: Large Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: WAC 173-303-145  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/18/1999  
Actual Date Achieved Compliance: 03/15/1999

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/18/1999  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-070(3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/18/1999  
Actual Date Achieved Compliance: 03/09/1999

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/18/1999  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-200(1)(C)(D)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/18/1999  
Actual Date Achieved Compliance: 03/09/1999

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/18/1999  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-630(5)(A)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/18/1999  
Actual Date Achieved Compliance: 03/12/1999

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/18/1999  
Penalty Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RAVEN INDUSTRIES INC NORCORE PLASTICS (Continued)

1000180342

Regulation Violated: -330(1-3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 12/02/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

Regulation Violated: -210(1)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 12/02/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

Regulation Violated: 40 CFR 268.7 (A)(6)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 12/02/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

Regulation Violated: -630(5)(A)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 11/09/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

Regulation Violated: -200(1)(D)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 11/09/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

Regulation Violated: -200  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 09/24/1993  
Actual Date Achieved Compliance: 12/02/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/24/1993  
Penalty Type: Not reported

There are 10 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19990315
	GENERATOR-GENERAL REQUIREMENTS	19990309
	GENERATOR-GENERAL REQUIREMENTS	19990309
	GENERATOR-GENERAL REQUIREMENTS	19990312
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19931202
	GENERATOR-GENERAL REQUIREMENTS	19931202

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RAVEN INDUSTRIES INC NORCORE PLASTICS (Continued)

1000180342

GENERATOR-GENERAL REQUIREMENTS	19931202
GENERATOR-GENERAL REQUIREMENTS	19931109
GENERATOR-GENERAL REQUIREMENTS	19931109
GENERATOR-GENERAL REQUIREMENTS	19931202

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NATIONAL EMISSIONS INVENTORY  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

C11 SPECTRA LABORATORIES INC  
East 2221 ROSS WAY  
< 1/8 TACOMA, WA 98421  
616 ft.

RCRA-SQG 1004793968  
FINDS WAD988477261

Relative:  
Higher

Actual:  
7 ft.

Site 3 of 3 in cluster C

RCRAInfo:

Owner: SPECTRA ANALYTICAL INC  
(253)272-4850

EPA ID: WAD988477261

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

12 COLLINS TRANSPORT SERVICE INC  
East 2235 ROSS WAY  
1/8-1/4 TACOMA, WA 98421  
662 ft.

PADS 1000878899  
RCRA-SQG WAD988522348  
FINDS

Relative:  
Higher

Actual:  
7 ft.

RCRAInfo:

Owner: PREMIER TRANSPORT  
(253)383-4409

EPA ID: WAD988522348

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

D13 UNION PACIFIC RAILROAD  
SSW 1119 MILWAUKEE WAY  
1/8-1/4 TACOMA, WA 98421  
671 ft.

CSCSL S101010438  
LUST N/A

Relative:  
Higher Site 1 of 3 in cluster D

Actual:  
7 ft.

SHWS:

Facility ID: 1251

MTBE Code: Not reported

Prog plan code : 1

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Not reported

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Confirmed above MTCA cleanup levels

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Confirmed above MTCA cleanup levels

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Method Code :

29

Lat/Long : 47° 15' 51" / 122° 24' 42"

Facility ID: 1251

MTBE Code: Not reported

Prog plan code : 1

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

UNION PACIFIC RAILROAD (Continued)

S101010438

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	29
Lat/Long :	47° 15' 51" / 122° 24' 42"

LUST:

Facility ID:	200898
Ecology Region:	SWRO
Facility Status:	Monitoring
Release ID:	3145
Release Notification Date:	5/29/1990 0:00
Release Status Date:	5/29/1990 0:00
Alternate Name:	UNION PACIFIC RAILROAD
Lat/Lon:	47.26443 / 122.41177
Affected Media:	Ground Water
FS ID:	1251

Facility ID:	200898
Ecology Region:	SWRO
Facility Status:	Monitoring
Release ID:	3145
Release Notification Date:	5/29/1990 0:00
Release Status Date:	5/29/1990 0:00
Alternate Name:	UNION PACIFIC RAILROAD
Lat/Lon:	47.26443 / 122.41177
Affected Media:	Soil
FS ID:	1251

D14    UNION PACIFIC RR  
SSW    1119 MILWAUKEE WAY  
1/8-1/4    TACOMA, WA 98421  
671 ft.

FINDS    1007080829  
INST CONTROL    110015575527

Site 2 of 3 in cluster D

Relative:  
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Actual:  
7 ft.

WA INSTUTIONAL CONTROL:

Facility Site Id :	1251
Nfa Code :	Not reported
Nfa Date :	Not reported
Decision Document Id :	331
Document Type :	Prospective Purchaser-CD
Filing Num (county) :	95-2-02280-0



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

UNION PACIFIC RR (Continued)

1007080829

Filing Date : 3/1/1995 00:00:00  
Inst Control Doc Id : 1  
IC Document Type : Conservation Easement  
Status Of IC Doc Type : No Proof of Filing  
County Filing # For Individual IC Doc : Not reported  
Filing Date Of Individual IC Doc : Not reported  
Status Date : Not reported  
IC Category Id : 582  
IC Category : Ground Water Restriction  
Comments: Ground water use restrictions.  
NFA Desc : Not reported  
IC Doc Type : Prospective Purchaser-CD  
IC Doc Status : No Proof of Filing  
IC Category Desc : Ground Water Restriction

D15 UNION PACIFIC RAILROAD  
SSW 1119 MILWAUKEE WAY  
1/8-1/4 TACOMA, WA 98421  
679 ft.

UST U003732794  
N/A

Site 3 of 3 in cluster D

Relative:  
Higher

UST:

Actual:  
7 ft.

Facility ID: 200898  
Site ID: 1251  
Install Date: 01/02/00  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: 1  
Substance: BUNKER C  
Compartment #: 1  
Ecology Region: South Western

E16 ALLIED BATTERY CO INC TACOMA  
NE 2310 E 11TH ST  
1/8-1/4 TACOMA, WA 98421  
802 ft.

CSCSL NFA S105922805  
N/A

Site 1 of 6 in cluster E

Relative:  
Higher

WA NFA:

Actual:  
7 ft.

Facility/Site Id : 1247  
Ecology Status : Contruction Complete,Operation and Maint underway  
Independent Status Code : Not reported  
WARM Bin Number : 0  
NFA Code : Removed from HSL  
NFA Date : 05/21/03  
Program Plan Code : 2  
NFA Desc : Removed from Hazardous Sites List (HSL)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

E17 ALLIED BATTERY CO INC  
NE 2310 E 11TH ST  
1/8-1/4 TACOMA, WA 98421  
802 ft.

RCRA-SQG 1001233998  
FINDS WAH000004044

Relative: Site 2 of 6 in cluster E  
Higher

Actual: RCRAInfo:  
7 ft. Owner: ALLIED BATTERY CO INC  
(206)762-5522  
EPA ID: WAH000004044  
Contact: MARVIN DYKMAN  
(253)627-5050  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

E18 TACOMA CITY FIRE STATION 12  
NE 2316 E 11TH ST  
1/8-1/4 TACOMA, WA 98421  
823 ft.

FINDS 1007071864  
VCP 110015484830

Relative: Site 3 of 6 in cluster E  
Higher

Actual: FINDS:  
7 ft. Other Pertinent Environmental Activity Identified at Site:  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM  
VCP:  
Facility ID : 36991327  
WARM BIN # : Not reported  
Ecology Status : Independent Remedial Action  
NFA Code : NFA after assessment, IRAP, or VCP

E19 TACOMA CITY FIRE STATION 12  
NE 2316 E 11TH ST  
1/8-1/4 TACOMA, WA 98421  
823 ft.

CSCSL NFA S104972009  
N/A

Relative: Site 4 of 6 in cluster E  
Higher

Actual: WA NFA:  
7 ft. Facility/Site Id : 36991327  
Ecology Status : Independent Remedial Action  
Independent Status Code : Final Independent RA Report received  
WARM Bin Number : Not reported  
NFA Code : NFA after Assessment IRAP or VCP  
NFA Date : 01/21/99  
Program Plan Code : 4  
NFA Desc : NFA after assessment, IRAP, or VCP

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**E20**  
**NE**  
**1/8-1/4**  
**823 ft.**

**FIRE STATION #12**  
**2316 E. 11TH**  
**TACOMA, WA 98421**

**ICR** **S104485234**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**7 ft.**

**Site 5 of 6 in cluster E**  
**WA ICR:**  
Date Ecology Received Report: 11/17/1998  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-10  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

**E21**  
**NE**  
**1/8-1/4**  
**823 ft.**

**CITY OF TACOMA**  
**2316 E 11TH**  
**TACOMA, WA 98421**

**UST** **U003354903**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**7 ft.**

**Site 6 of 6 in cluster E**  
**UST:**  
Facility ID: 5934  
Site ID: 36991327  
Install Date: 05/25/73  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: 1  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

**22**  
**ENE**  
**1/8-1/4**  
**926 ft.**

**GEORGIA PACIFIC CORPORATION**  
**2303 ROSS WAY**  
**TACOMA, WA 98421**

**UST** **U003353161**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**7 ft.**

**UST:**  
Facility ID: 11080  
Site ID: 39869816  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: 1  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

23 COLE SCREENPRINT INC TACOMA  
NE 2338 E 11TH ST  
1/8-1/4 TACOMA, WA 98421  
941 ft.

RCRA-SQG 1000198521  
FINDS WAD009280165

Relative: RCRAInfo:  
Higher Owner: COLE SCREENPRINT INC  
EPA ID: WAD009280165  
Actual: Contact: Not reported  
7 ft. Classification: Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

F24 MANN RUSSELL ELECTRONICS  
ESE 1401 THORNE RD  
1/8-1/4 TACOMA, WA 98421  
980 ft.

RCRA-SQG 1000306698  
FINDS WAD009253592

Relative: RCRAInfo:  
Higher Owner: MANN RUSSELL ELECTRONICS  
Actual: EPA ID: WAD009253592  
8 ft. Contact: W MAW  
(253) 383-1591  
Classification: Small Quantity Generator  
TSD Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

F25 GENERAL CHEMICAL TACOMA  
ESE 1410 THORNE RD  
1/8-1/4 TACOMA, WA 98421  
997 ft.

CERCLIS 1000249071  
RCRA-SQG WAD001829522  
FINDS  
CSCSL NFA

Relative: CERCLIS Classification Data:  
Higher Federal Facility: Not a Federal Facility  
Actual: Non NPL Status: Not reported  
8 ft. NPL Status: Site is Part of NPL Site  
CERCLIS Assessment History:  
Assessment: DISCOVERY  
Assessment: PRELIMINARY ASSESSMENT  
Assessment: SITE INSPECTION  
Assessment: SITE INSPECTION  
CERCLIS Site Status:  
Addressed as part of an existing NPL site

Completed: 11/01/1979  
Completed: 02/03/1986  
Completed: 12/08/1988  
Completed: 01/05/1990

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

GENERAL CHEMICAL TACOMA (Continued)

1000249071

CERCLIS Alias Name(s):  
TACOMA WORKS - N

RCRAInfo:

Owner: ALLIED CHEMICAL CORP  
EPA ID: WAD001829522  
Contact: CLYDE HAYDEN  
(253) 383-1224

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/22/1985
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/21/1985
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704

FINDS:

Other Pertinent Environmental Activity Identified at Site:

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

WA NFA:

Facility/Site Id :	1236
Ecology Status :	Independent Remedial Action
Independent Status Code :	Independent Site Assessment or Interim RA recvd
WARM Bin Number :	Not reported
NFA Code :	Cleanup Completed Not on HSL
NFA Date :	05/31/01
Program Plan Code :	Not reported
NFA Desc :	Cleanup completed, not on HSL

26  
WSW  
1/8-1/4  
1025 ft.  
PORT OF TACOMA  
1 SITCOM PLAZA  
TACOMA, WA 98401

LUST U003354957  
UST N/A  
ICR

Relative:  
Higher

Actual:  
6 ft.

LUST:

Facility ID:	6043
Ecology Region:	SWRO
Facility Status:	Cleanup Started
Release ID:	4403
Release Notification Date:	5/3/1993 0:00
Release Status Date:	5/3/1993 0:00
Alternate Name:	PORT OF TACOMA/SO INTERMODAL YARD
Lat/Lon:	47.252876 / 122.444485
Affected Media:	Ground Water
FS ID:	5147833



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 4403  
Release Notification Date: 5/3/1993 0:00  
Release Status Date: 5/3/1993 0:00  
Alternate Name: PORT OF TACOMA/SO INTERMODAL YARD  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 324071  
Release Notification Date: 11/17/1995 0:00  
Release Status Date: 11/20/1995 14:49  
Alternate Name: PORT OF TACOMA INDUSTRIAL YARD  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 324071  
Release Notification Date: 11/17/1995 0:00  
Release Status Date: 11/20/1995 14:49  
Alternate Name: PORT OF TACOMA INDUSTRIAL YARD  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up  
Release ID: 324071  
Release Notification Date: 11/17/1995 0:00  
Release Status Date: 2/13/1996 0:00  
Alternate Name: PORT OF TACOMA INDUSTRIAL YARD  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up  
Release ID: 324071  
Release Notification Date: 11/17/1995 0:00  
Release Status Date: 2/13/1996 0:00  
Alternate Name: PORT OF TACOMA INDUSTRIAL YARD  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 5/15/1996 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 5/15/1996 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Awaiting Cleanup  
Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 7/11/1996 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Awaiting Cleanup  
Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 7/11/1996 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up  
Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 3/25/1998 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Release ID: 408770  
Release Notification Date: 5/15/1996 0:00  
Release Status Date: 3/25/1998 0:00  
Alternate Name: PORT INDUSTRIAL YARD/401 ALEXANDER AVE  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 451016  
Release Notification Date: 3/6/1998 0:00  
Release Status Date: 11/17/1997 0:00  
Alternate Name: EARLEY BUSINESS CENTER/BLDG 9322  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 451016  
Release Notification Date: 3/6/1998 0:00  
Release Status Date: 11/17/1997 0:00  
Alternate Name: EARLEY BUSINESS CENTER/BLDG 9322  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 480409  
Release Notification Date: 12/28/1998 0:00  
Release Status Date: 12/29/1998 0:00  
Alternate Name: PORT OF TACOMA/TOTE FACILITY 500 ALEXANDER  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Ground Water  
FS ID: 5147833

Facility ID: 6043  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 480409  
Release Notification Date: 12/28/1998 0:00  
Release Status Date: 12/29/1998 0:00  
Alternate Name: PORT OF TACOMA/TOTE FACILITY 500 ALEXANDER  
Lat/Lon: 47.252876 / 122.444485  
Affected Media: Soil  
FS ID: 5147833

WA ICR:

Date Ecology Received Report: 07/07/1997  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 95-03  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 03/25/1998  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-03  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 03/06/1998  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 98-04  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 04/02/1999  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 98-14  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 03/11/1999  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-14  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 07/23/1996  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 94-49

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported  
  
Date Ecology Received Report: 05/05/1993  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 92-52  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

UST:

Facility ID: 6043  
Site ID: 5147833  
Install Date: 06/01/82  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: P-1  
Substance: ALCOHOL BLEND GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 01/01/82  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: P-3  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 06/01/84  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: T-24  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 06/01/84  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: T-23  
Substance: MOTOR OIL  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Exempt  
Tank Name: BLDG 9602-3  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-13  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-15  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-14  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-16  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: T-1  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-3  
Substance: KEROSENE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: T-9  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-2  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-20  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 01/02/00  
Capacity: 111 TO 1,000 GALLONS  
Status: Removed  
Tank Name: F1-1  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 01/01/76  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-2  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Exempt  
Tank Name: BLDG 8326-1  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: T-17  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 TO 1,000 GALLONS  
Status: Removed  
Tank Name: P-17  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 06/01/84  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: T-22  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 06/01/84  
Capacity: 2,001 TO 4,999 GALLONS  
Status: Removed  
Tank Name: T-21  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 01/02/00  
Capacity: 111 TO 1,000 GALLONS  
Status: Removed  
Tank Name: F-1-2  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 TO 1,000 GALLONS  
Status: Removed  
Tank Name: SL-1  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-4  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: T-5  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-7  
Substance: KEROSENE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-6  
Substance: KEROSENE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Exempt  
Tank Name: T-8  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-24  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-25  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-21  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Removed  
Tank Name: P-27  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-23  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-22  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-26  
Substance: HEATING FUEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-28  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-19  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Closed in Place  
Tank Name: P-11  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-18  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-10  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-12  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Closed in Place  
Tank Name: T-15  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: T-10  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: 111 to 1,100 Gallons  
Status: Closed in Place  
Tank Name: T-16  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PORT OF TACOMA (Continued)

U003354957

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Closed in Place  
Tank Name: P-9  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-6  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-4  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-8  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 6043  
Site ID: 5147833  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: P-7  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**F27**  
**ESE**  
**1/8-1/4**  
**1043 ft.**

**GUNDERSON WHEEL SERVICES TACOMA**  
**1424 THORNE RD**  
**TACOMA, WA 98421**

**RCRA-SQG** **1000249825**  
**FINDS** **WAD071849996**

**Relative:**  
**Higher**

**Actual:**  
**8 ft.**

**Site 3 of 3 in cluster F**  
**RCRAInfo:**  
**Owner:** NULIFE FERTILIZERS HYGRADE FOOD  
**EPA ID:** WAD071849996  
**Contact:** LOIS WOODS  
(253) 272-5171

**Classification:** Small Quantity Generator  
**TSDf Activities:** Not reported  
**Violation Status:** No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
NATIONAL COMPLIANCE DATABASE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**28**  
**ENE**  
**1/8-1/4**  
**1077 ft.**

**ECOLOGICAL INDUSTRIES ROSS WAY**  
**2339 ROSS WAY**  
**TACOMA, WA 98421**

**RCRA-SQG** **1000878563**  
**FINDS** **WA0000097733**

**Relative:**  
**Higher**

**Actual:**  
**7 ft.**

**RCRAInfo:**  
**Owner:** CMAX TRANSPORTATION INC  
**EPA ID:** WA0000097733  
**Contact:** WILLIAM LUNDY  
(206)926-3011

**Classification:** Small Quantity Generator  
**TSDf Activities:** Not reported  
**Violation Status:** No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**G29**  
**SE**  
**1/8-1/4**  
**1134 ft.**

**PENSKE TRUCK LEASING CO LP THORNE RD**  
**1460 THORNE RD**  
**TACOMA, WA 98401**

**RCRA-SQG** **1001490425**  
**FINDS** **WAD981769169**

**Relative:**  
**Higher**

**Actual:**  
**8 ft.**

**Site 1 of 5 in cluster G**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

PENSKE TRUCK LEASING CO LP THORNE RD (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1001490425

RCRAInfo:

Owner: PENSKE TRUCK LEASING CO LP  
(610)775-6000

EPA ID: WAD981769169

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

G30  
SE  
1/8-1/4  
1148 ft.

AIR LIQUIDE AMERICA CORPORATION  
1451 THORNE RD.  
TACOMA, WA 98421

RCRA-SQG 1000425132  
FINDS WAD177747904  
UST  
CSCSL NFA

Relative:  
Higher

Actual:  
8 ft.

Site 2 of 5 in cluster G

RCRAInfo:

Owner: LARRY MILLER  
(253)383-3637

EPA ID: WAD177747904

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

NATIONAL EMISSIONS INVENTORY

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

WA NFA:

Facility/Site Id : 1241  
Ecology Status : Independent Remedial Action  
Independent Status Code : Final Independent RA Report received  
WARM Bin Number : Not reported  
NFA Code : Cleanup Completed Not on HSL  
NFA Date : 04/17/91  
Program Plan Code : Not reported  
NFA Desc : Cleanup completed, not on HSL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

AIR LIQUIDE AMERICA CORPORATION (Continued)

1000425132

UST:

Facility ID: 7068  
Site ID: 1241  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: TANK#1  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 7068  
Site ID: 1241  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: TANK#2  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

G31 NORTHWEST FOREST PRODUCTS  
SE 1476 THORNE ROAD  
1/8-1/4 TACOMA, WA 98445  
1175 ft.

LUST U003352718  
UST N/A  
ICR

Site 3 of 5 in cluster G

Relative:  
Higher

LUST:

Actual:  
8 ft.

Facility ID: 101736  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up  
Release ID: 4257  
Release Notification Date: 2/26/1993 0:00  
Release Status Date: 11/20/1992 0:00  
Alternate Name: NORTHWEST FOREST PRODUCTS  
Lat/Lon: 47.26148 / 122.40582  
Affected Media: Ground Water  
FS ID: 89387326

Facility ID: 101736  
Ecology Region: SWRO  
Facility Status: Reported Cleaned Up  
Release ID: 4257  
Release Notification Date: 2/26/1993 0:00  
Release Status Date: 11/20/1992 0:00  
Alternate Name: NORTHWEST FOREST PRODUCTS  
Lat/Lon: 47.26148 / 122.40582  
Affected Media: Soil  
FS ID: 89387326

Facility ID: 101736  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 4257  
Release Notification Date: 2/26/1993 0:00  
Release Status Date: 2/26/1993 0:00  
Alternate Name: NORTHWEST FOREST PRODUCTS  
Lat/Lon: 47.26148 / 122.40582

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**NORTHWEST FOREST PRODUCTS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003352718**

Affected Media: Ground Water  
FS ID: 89387326  
  
Facility ID: 101736  
Ecology Region: SWRO  
Facility Status: Cleanup Started  
Release ID: 4257  
Release Notification Date: 2/26/1993 0:00  
Release Status Date: 2/26/1993 0:00  
Alternate Name: NORTHWEST FOREST PRODUCTS  
Lat/Lon: 47.26148 / 122.40582  
Affected Media: Soil  
FS ID: 89387326

**WA ICR:**

Date Ecology Received Report: 02/26/1993  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 92-45  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

**UST:**

Facility ID: 101736  
Site ID: 89387326  
Install Date: 12/31/64  
Capacity: Not reported  
Status: Removed  
Tank Name: 1  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

**G32  
SE  
1/8-1/4  
1175 ft.**

**NORTHWEST FOREST PRODUCTS  
1476 THORNE RD  
TACOMA, WA 98421**

**RCRA-SQG 1000399516  
FINDS WAD009253584**

**Relative:  
Higher**

**Actual:  
8 ft.**

**Site 4 of 5 in cluster G**

RCRAInfo:  
Owner: UNITED STATES AMMUNITION CO  
EPA ID: WAD009253584  
Contact: MICHAEL BRUSTKERN  
(253) 627-8700  
  
Classification: Small Quantity Generator  
TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**NORTHWEST FOREST PRODUCTS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

1000399516

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

PERMIT COMPLIANCE SYSTEM

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

G33  
SE  
1/8-1/4  
1185 ft.

**CAPITAL MATERIALS HANDLING**  
**1476 A THORNE RD**  
**TACOMA, WA 98421**

RCRA-SQG 1000264311  
FINDS WAD988470209

Relative:  
Higher

**Site 5 of 5 in cluster G**

**RCRAInfo:**

Owner: CAPITAL MATERIALS HANDLING CO INC

EPA ID: WAD988470209

Contact: GORDON ALLEN  
(253) 383-4367

Classification: Small Quantity Generator

TSD Activities: Not reported

Violation Status: No violations found

Actual:  
8 ft.

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

H34  
SW  
1/4-1/2  
1351 ft.

**BILLENE'S DELI MART**  
**801 E 11TH ST**  
**TACOMA, WA 98421**

LUST U003352465  
UST N/A

Relative:  
Higher

**Site 1 of 2 in cluster H**

**LUST:**

Facility ID: 100798

Ecology Region: SWRO

Facility Status: Cleanup Started

Release ID: 440786

Release Notification Date: 3/18/1998 0:00

Release Status Date: 3/11/1998 0:00

Alternate Name: TEXACO GAS AND DELI

Lat/Lon: 47.25692 / 122.42438

Affected Media: Ground Water

FS ID: 43962719

Facility ID: 100798

Ecology Region: SWRO

Facility Status: Cleanup Started

Release ID: 440786

Release Notification Date: 3/18/1998 0:00

Release Status Date: 3/11/1998 0:00

Alternate Name: TEXACO GAS AND DELI

Lat/Lon: 47.25692 / 122.42438

Affected Media: Soil

FS ID: 43962719

Actual:  
6 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**BILLENE'S DELI MART (Continued)**

**U003352465**

Facility ID: 100798  
Ecology Region: SWRO  
Facility Status: Monitoring  
Release ID: 440786  
Release Notification Date: 3/18/1998 0:00  
Release Status Date: 9/5/2002 0:00  
Alternate Name: TEXACO GAS AND DELI  
Lat/Lon: 47.25692 / 122.42438  
Affected Media: Ground Water  
FS ID: 43962719

Facility ID: 100798  
Ecology Region: SWRO  
Facility Status: Monitoring  
Release ID: 440786  
Release Notification Date: 3/18/1998 0:00  
Release Status Date: 9/5/2002 0:00  
Alternate Name: TEXACO GAS AND DELI  
Lat/Lon: 47.25692 / 122.42438  
Affected Media: Soil  
FS ID: 43962719

Facility ID: 100798  
Ecology Region: SWRO  
Facility Status: Awaiting Cleanup  
Release ID: 440786  
Release Notification Date: 3/18/1998 0:00  
Release Status Date: 3/9/2004 0:00  
Alternate Name: TEXACO GAS AND DELI  
Lat/Lon: 47.25692 / 122.42438  
Affected Media: Ground Water  
FS ID: 43962719

Facility ID: 100798  
Ecology Region: SWRO  
Facility Status: Awaiting Cleanup  
Release ID: 440786  
Release Notification Date: 3/18/1998 0:00  
Release Status Date: 3/9/2004 0:00  
Alternate Name: TEXACO GAS AND DELI  
Lat/Lon: 47.25692 / 122.42438  
Affected Media: Soil  
FS ID: 43962719

**UST:**

Facility ID: 100798  
Site ID: 43962719  
Install Date: 05/01/88  
Capacity: 5,000 TO 9,999 GALLONS  
Status: Removed  
Tank Name: 342REG  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**BILLENE'S DELI MART (Continued)**

**U003352465**

Facility ID: 100798  
Site ID: 43962719  
Install Date: 05/01/88  
Capacity: 5,000 TO 9,999 GALLONS  
Status: Removed  
Tank Name: 449DIE  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 100798  
Site ID: 43962719  
Install Date: 05/01/88  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: 365UNL  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

**H35      TEXACO GAS & DELI**  
**SW      801 E. 11TH ST.**  
**1/4-1/2    TACOMA, WA 98421**  
**1351 ft.**

**ICR    S104485029**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**6 ft.**

**Site 2 of 2 in cluster H**

**WA ICR:**

Date Ecology Received Report: 05/20/1989  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 98-05  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

Date Ecology Received Report: 08/07/2001  
Contaminants Found at Site: Not reported  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 98-40  
County Code: 27.00000  
Contact: Not reported  
Report Title: Request for NFA Letter

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site  
Database(s)  
EDR ID Number  
EPA ID Number

I36  
NE  
1/4-1/2  
1394 ft.

MCKENZIE FUEL  
2432 E. 11TH  
TACOMA, WA 98402

ICR S104485286  
N/A

Site 1 of 3 in cluster I

Relative:  
Higher

WA ICR:

Actual:  
7 ft.

Date Ecology Received Report: 11/16/1998  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Groundwater, Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Interim cleanup report  
Site Register Issue: 98-11  
County Code: 27.00000  
Contact: Not reported  
Report Title: Not reported

I37  
NE  
1/4-1/2  
1394 ft.

MICRO OIL REFINING CORP  
2432 E 11TH ST  
TACOMA, WA 98421

PADS 1000385126  
FINDS WAD980978142  
RCRA-LQG  
RCRA-TSDF  
UST  
CORRACTS

Site 2 of 3 in cluster I

Relative:  
Higher

CORRACTS Data:

Actual:  
7 ft.

EPA Id: WAD980978142  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 07/12/2000  
Corrective Action: CA725IN - Current Human Exposures Under Control , More information is needed to make a determination  
2002 NAICS Title: Recyclable Material Merchant Wholesalers  
Petroleum Refineries

EPA Id: WAD980978142  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 07/12/2000  
Corrective Action: CA750IN - Migration of Contaminated Groundwater under Control , More information is needed to make a determination  
2002 NAICS Title: Recyclable Material Merchant Wholesalers  
Petroleum Refineries

RCRAInfo Corrective Action Summary:

Event: Current Human Exposures under Control, More information is needed to make a determination.

Event Date: 07/12/2000

Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event Date: 07/12/2000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

RCRAInfo:

Owner: JERRY MORAN  
(253)272-2682

EPA ID: WAD980978142

Contact: Not reported

Classification: Large Quantity Generator, TSDF

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: WAC 173-303-200(1)(d)(c)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 05/17/2001  
Actual Date Achieved Compliance: 05/17/2001

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 05/17/2001  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-200(1)(a)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 05/17/2001  
Actual Date Achieved Compliance: 05/17/2001

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 05/17/2001  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-170(1)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 02/02/2001  
Actual Date Achieved Compliance: 04/01/2001

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/02/2001  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-200(1)(c)(d)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 02/02/2001  
Actual Date Achieved Compliance: 02/20/2001

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 02/02/2001  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-200(1)(a)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 10/05/2000  
Actual Date Achieved Compliance: 05/17/2001

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 10/05/2000  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-630(5)(c)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 10/05/2000  
Actual Date Achieved Compliance: 10/05/2000

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 10/05/2000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-630(7)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	10/05/2000
Actual Date Achieved Compliance:	05/17/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/05/2000
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-200(1)(d)(c)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	10/05/2000
Actual Date Achieved Compliance:	12/01/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/05/2000
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-630(2)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	10/05/2000
Actual Date Achieved Compliance:	10/05/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/05/2000
Penalty Type:	Not reported
Regulation Violated:	-380(1)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	07/20/2000
Actual Date Achieved Compliance:	06/20/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/20/2000
Penalty Type:	Not reported
Regulation Violated:	40 CFR 279.56 arb 515(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/20/2000
Actual Date Achieved Compliance:	06/20/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/20/2000
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-170(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/20/2000
Actual Date Achieved Compliance:	08/01/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/20/2000
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-170(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/07/2000
Actual Date Achieved Compliance:	08/01/2000
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	06/07/2000
Penalty Type:	Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Regulation Violated:	-220(3)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/08/2000
Actual Date Achieved Compliance:	05/08/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-310(2)(c)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/08/2000
Actual Date Achieved Compliance:	05/08/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-630(2) as r. -200(1)(b)(i)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/08/2000
Actual Date Achieved Compliance:	05/17/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-283(3)(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/08/2000
Actual Date Achieved Compliance:	05/08/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-395 as r. by 400(3)(a)(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/08/2000
Actual Date Achieved Compliance:	05/17/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	640(3)(4)(5) arb 200(1)(b)(ii)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/05/2000
Actual Date Achieved Compliance:	05/17/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-200(1)(b)(c)(d)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/05/2000
Actual Date Achieved Compliance:	05/08/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/08/2000
Penalty Type:	Not reported
Regulation Violated:	-170(1)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 05/05/2000  
Actual Date Achieved Compliance: 05/30/2000  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 05/08/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-170  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 05/05/2000  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: 173-303-200(c) & (d)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 05/08/2000  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-730  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 04/25/2000  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-640 3,4,5  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 04/06/2001  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-390  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 04/25/2000  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-640(5)(d)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 06/30/2001  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
  
Regulation Violated: WAC 173-303-630(7)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**MICRO OIL REFINING CORP (Continued)**

**1000385126**

Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 04/06/2001  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
Regulation Violated: 40 CFR 265.56(j) as ref.  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 04/28/2000  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
Regulation Violated: WAC 173-303-220(3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/13/2000  
Actual Date Achieved Compliance: 06/01/2000  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/2000  
Penalty Type: Not reported  
Regulation Violated: WAC 173-303-395(6)  
Area of Violation: TSD-GENERAL STANDARDS  
Date Violation Determined: 01/14/2000  
Actual Date Achieved Compliance: 01/15/2000  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/18/1999  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 01/14/2000  
Penalty Type: Not reported  
Regulation Violated: WAC 173-303-630(7)(A)(1)  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 12/07/1999  
Actual Date Achieved Compliance: 05/17/2001  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/27/1999  
Penalty Type: Final Monetary Penalty  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 12/07/1999  
Penalty Type: Final Monetary Penalty  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 03/20/2000  
Penalty Type: Final Monetary Penalty  
Regulation Violated: WAC 173-303-390(3)(D)  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 12/07/1999  
Actual Date Achieved Compliance: 06/20/2001  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/18/1999  
Penalty Type: Final Monetary Penalty  
Enforcement Action: WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**MICRO OIL REFINING CORP (Continued)**

**1000385126**

Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/07/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(6)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/23/1999
Actual Date Achieved Compliance:	06/23/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/23/1999
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-360
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/23/1999
Actual Date Achieved Compliance:	06/23/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/23/1999
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-380(1)(B)(C)(G)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/23/1999
Actual Date Achieved Compliance:	06/30/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/23/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-805(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/04/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/23/1999

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-170(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/27/1999
Actual Date Achieved Compliance:	05/27/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-380(1)(A)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/27/1999
Actual Date Achieved Compliance:	04/27/1999
Regulation Violated:	WAC 173-303-805(6)(A)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/27/1999
Actual Date Achieved Compliance:	06/01/1999
Regulation Violated:	WAC 173-303-310(2)(C)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	05/07/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-320(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	06/10/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-340(4)(5)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	40 CFR 265 SUBMPART G
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-390(3)(D)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-350(3)(C)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-330(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	06/10/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-300(5)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	08/25/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-170(1)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	05/27/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Not reported
Regulation Violated:	40 CFR 265 SUBPART H
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/20/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/27/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/23/1999
Penalty Type:	Final Monetary Penalty
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	03/20/2000
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	02/02/1995
Actual Date Achieved Compliance:	04/01/1995
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/11/1990
Actual Date Achieved Compliance:	03/15/1990

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MICRO OIL REFINING CORP (Continued)

1000385126

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	3/20/2000	20000	STATE

There are 52 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20010517
	TSD-GENERAL STANDARDS	20010517
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20010401
	TSD-GENERAL STANDARDS	20010220
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20010517
	TSD-GENERAL STANDARDS	20001005
	TSD-GENERAL STANDARDS	20001201
	TSD-GENERAL STANDARDS	20010517
	TSD-GENERAL STANDARDS	20001005
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20010620
	GENERATOR-GENERAL REQUIREMENTS	20010620
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000801
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000801
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000801
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20010517
	GENERATOR-GENERAL REQUIREMENTS	20000508
	GENERATOR-GENERAL REQUIREMENTS	20000530
	GENERATOR-GENERAL REQUIREMENTS	20000508
	GENERATOR-GENERAL REQUIREMENTS	20000508
	GENERATOR-GENERAL REQUIREMENTS	20000517
	GENERATOR-GENERAL REQUIREMENTS	20010517
	GENERATOR-GENERAL REQUIREMENTS	20000508
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000505
	GENERATOR-GENERAL REQUIREMENTS	20000508
	GENERATOR-GENERAL REQUIREMENTS	20000425
	GENERATOR-GENERAL REQUIREMENTS	20010406
	GENERATOR-GENERAL REQUIREMENTS	20000425
	GENERATOR-GENERAL REQUIREMENTS	20010630
	GENERATOR-GENERAL REQUIREMENTS	20000601
	GENERATOR-GENERAL REQUIREMENTS	20010406
	GENERATOR-GENERAL REQUIREMENTS	20000428
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20000115
Compliance Evaluation Inspection	TSD-CONTAINERS REQUIREMENTS	20010517
	TSD-CONTAINERS REQUIREMENTS	20010620
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19990623
	GENERATOR-GENERAL REQUIREMENTS	19990623
	GENERATOR-GENERAL REQUIREMENTS	20010630
	GENERATOR-GENERAL REQUIREMENTS	20000320
Sampling Inspection	GENERATOR-GENERAL REQUIREMENTS	19990527
	GENERATOR-GENERAL REQUIREMENTS	19990601
	GENERATOR-GENERAL REQUIREMENTS	19990427
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19990507
	GENERATOR-GENERAL REQUIREMENTS	19990527
	GENERATOR-GENERAL REQUIREMENTS	20000320
	GENERATOR-GENERAL REQUIREMENTS	19990825
	GENERATOR-GENERAL REQUIREMENTS	19990610
	GENERATOR-GENERAL REQUIREMENTS	19990610
	GENERATOR-GENERAL REQUIREMENTS	20000320
	GENERATOR-GENERAL REQUIREMENTS	20000320

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MICRO OIL REFINING CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

	GENERATOR-GENERAL REQUIREMENTS	20000320
	GENERATOR-GENERAL REQUIREMENTS	20000320
Other Evaluation	TSD-GENERAL STANDARDS	19950401
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900315

**1000385126**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

INTEGRATED COMPLIANCE INFORMATION SYSTEM

NATIONAL COMPLIANCE DATABASE SYSTEM

RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**UST:**

Facility ID: 436603  
Site ID: 20647549  
Install Date: 01/01/64  
Capacity: 5,000 TO 9,999 GALLONS  
Status: Removed  
Tank Name: 3  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 436603  
Site ID: 20647549  
Install Date: 01/01/64  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: 2  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 436603  
Site ID: 20647549  
Install Date: / /  
Capacity: Not reported  
Status: Removed  
Tank Name: 4  
Substance: Not reported  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 436603  
Site ID: 20647549  
Install Date: 01/02/00  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: 1  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

138  
NE  
1/4-1/2  
1398 ft.

REFLEX RECYCLING  
2432 E 11TH ST  
TACOMA, WA 98421

Site 3 of 3 in cluster I

Relative:  
Higher

Actual:  
7 ft.

FTTS Insp:

Region: 01  
Inspected Date: Not reported  
Insp Number: 19950124ME002 1  
Violation occurred: No  
Inspector: BUCCI  
Investigation Type: AHERA, Enforcement, State Conducted  
Facility Function: User  
Investig Reason: Not reported  
Legislation Code: TSCA

Region: 10  
Inspected Date: Not reported  
Insp Number: 1998110513535 1  
Violation occurred: No  
Inspector: HOYLES  
Investigation Type: Section 6 PCB Federal Conducted  
Facility Function: User  
Investig Reason: Not reported  
Legislation Code: TSCA

Region: 10  
Inspected Date: Not reported  
Insp Number: 1998112713535 1  
Violation occurred: No  
Inspector: HOYLES  
Investigation Type: Section 6 PCB Federal Conducted  
Facility Function: User  
Investig Reason: Not reported  
Legislation Code: TSCA

Region: 10  
Inspected Date: Not reported  
Insp Number: 2002020119238 1  
Violation occurred: No  
Inspector: TERPENING  
Investigation Type: Section 6 PCB Federal Conducted  
Facility Function: User  
Investig Reason: Not reported  
Legislation Code: TSCA

WA NFA:

Facility/Site Id : 20647549  
Ecology Status : Independent Remedial Action  
Independent Status Code : Independant Site Assesment or Interim RA recvd  
WARM Bin Number : 3  
NFA Code : NFA after Assesment IRAP or VCP  
NFA Date : 08/25/04  
Program Plan Code : 4  
NFA Desc : NFA after assessment, IRAP, or VCP

VCP:

Facility ID : 20647549  
WARM BIN # : 3

Database(s)  
EDR ID Number  
EPA ID Number

FTTS 1007291611  
CSCSL NFA N/A  
VCP

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

REFLEX RECYCLING (Continued)

1007291611

Ecology Status : Independent Remedial Action  
NFA Code : NFA after assessment, IRAP, or VCP

39 TACOMA PORT MAINTENANCE FACILITY  
North 802 PORT CENTER RD  
1/4-1/2 TACOMA, WA 98401  
1688 ft.

CSCSL NFA S105831560  
VCP N/A

Relative: WA NFA:  
Equal Facility/Site Id : 63973251  
Ecology Status : Independent Remedial Action  
Actual: Independent Status Code : Final Independent RA Report received  
5 ft. WARM Bin Number : Not reported  
NFA Code : NFA after Assessment IRAP or VCP  
NFA Date : 08/26/99  
Program Plan Code : 4  
NFA Desc : NFA after assessment, IRAP, or VCP  
VCP:  
Facility ID : 63973251  
WARM BIN # : Not reported  
Ecology Status : Independent Remedial Action  
NFA Code : NFA after assessment, IRAP, or VCP

40 NORTH INTERMODAL RAILYARD  
NE E 11TH ST / PORT OF TACOMA RD  
1/4-1/2 TACOMA, WA 98421  
1701 ft.

CSCSL S102258222  
N/A

Relative: SHWS:  
Higher Facility ID: 1230  
MTBE Code: Not reported  
Actual: Prog plan code : Not reported  
6 ft. UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NORTH INTERMODAL RAILYARD (Continued)

S102258222

Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 5" / 122° 24' 22"

Facility ID: 1230  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 5" / 122° 24' 22"

41  
NE  
1/4-1/2  
1702 ft.

CASCADE POLE MCF SITCUM  
1002 PORT OF TACOMA RD  
TACOMA, WA 98421

CSCSL S102364081  
N/A

Relative:  
Higher

SHWS:

Facility ID: 1242  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

Actual:  
6 ft.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

CASCADE POLE MCF SITCUM (Continued)

S102364081

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels

Halogenated Organic Compounds: Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Confirmed above MTCA cleanup levels

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 4" / 122° 24' 21"

Facility ID: 1242

MTBE Code: Not reported

Prog plan code : 2

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels

Halogenated Organic Compounds: Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Confirmed above MTCA cleanup levels

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CASCADE POLE MCF SITCUM (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S102364081

Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 4" / 122° 24' 21"

42 FAIRLINER MARINA  
NE 2560 E 11TH ST  
1/4-1/2 TACOMA, WA 98421  
1963 ft.

LUST U003750407  
UST N/A  
ICR

Relative: LUST:  
Higher Facility ID: 507985  
Ecology Region: SWRO  
Actual: Facility Status: Reported Cleaned Up  
6 ft. Release ID: 555551  
Release Notification Date: 1/3/2001 0:00  
Release Status Date: 1/3/2001 0:00  
Alternate Name: FAIRLINER MARINA  
Lat/Lon: 47.268582 / 122.407184  
Affected Media: Soil  
FS ID: 54316737

WA ICR:  
Date Ecology Received Report: 01/03/2001  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-32  
County Code: 27.00000  
Contact: Not reported  
Report Title: Oversight of Remediation

UST:  
Facility ID: 507985  
Site ID: 54316737  
Install Date: 01/01/76  
Capacity: 5,000 TO 9,999 GALLONS  
Status: Removed  
Tank Name: 1  
Substance: LEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

43 TACOMA PORT SLIP 5  
North 601 PORT OF TACOMA RD  
1/4-1/2 TACOMA, WA 98444  
2011 ft.

CSCSL S104490906  
N/A

Relative: SHWS:  
Higher Facility ID: 79844675  
MTBE Code: Not reported  
Actual: Prog plan code : Not reported  
6 ft. UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TACOMA PORT SLIP 5 (Continued)

S104490906

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 6" / 122° 24' 24"

Facility ID: 79844675

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TACOMA PORT SLIP 5 (Continued)

S104490906

Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 6" / 122° 24' 24"

44 CONTAINER STORAGE INC THORNE RD  
SE 1721 THORNE RD  
1/4-1/2 TACOMA, WA 98421  
2079 ft.

RCRA-SQG 1000878829  
FINDS WAD988521548  
CSCSL NFA

Relative: RCRAInfo:  
Higher Owner: HARBOR INDUSTRIES  
(206) 623-0304  
Actual: EPA ID: WAD988521548  
9 ft. Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

WA NFA:

Facility/Site Id : 1265  
Ecology Status : Independent Remedial Action  
Independent Status Code : Final Independent RA Report received  
WARM Bin Number : 0  
NFA Code : Removed from HSL  
NFA Date : 11/21/95  
Program Plan Code : 3  
NFA Desc : Removed from Hazardous Sites List (HSL)

45 PACIFIC TRANSPORTATION GROUP INC  
East 1440 PORT OF TACOMA RD  
1/4-1/2 TACOMA, WA 98421  
2198 ft.

LUST U003665865  
SPILLS N/A  
UST  
ICR

Relative: LUST:  
Higher Facility ID: 508101  
Ecology Region: SWRO  
Actual: Facility Status: Reported Cleaned Up  
6 ft. Release ID: 555451  
Release Notification Date: 1/2/2001 0:00  
Release Status Date: 1/2/2001 0:00  
Alternate Name: PACIFIC TRANSPORTATION  
Lat/Lon: 47.259043 / 122.399789  
Affected Media: Soil  
FS ID: 1492131

WA SPILL:

Facility ID: 547300  
Material Desc : PETROLEUM - MINERAL OIL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PACIFIC TRANSPORTATION GROUP INC (Continued)

U003665865

Medium: SOIL  
Material Qty: Not reported  
Material Units: Not reported  
Date Received: 04/07/05

WA ICR:

Date Ecology Received Report: 01/02/2001  
Contaminants Found at Site: Petroleum products  
Media Contaminated: Soil  
Cause of Contamination: Tank  
Region: South Western  
Type of Report Ecology Received: Final cleanup report  
Site Register Issue: 98-32  
County Code: 27.00000  
Contact: Not reported  
Report Title: Site Characterization Report and Final Cleanup Report

UST:

Facility ID: 508101  
Site ID: 1492131  
Install Date: 01/01/76  
Capacity: 10,000 TO 19,999 GALLONS  
Status: Removed  
Tank Name: 1  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

46  
SE  
1/4-1/2  
2226 ft.

GEORGIA PACIFIC RESINS INC  
1754 THORNE RD  
TACOMA, WA 98421

CERCLIS 1000357794  
RCRA-SQG WAD009248774  
FINDS  
CORRACTS  
CSCSL NFA

Relative:  
Higher

Actual:  
9 ft.

CERCLIS Classification Data:

Federal Facility: Not a Federal Facility  
Non NPL Status: Not reported  
NPL Status: Site is Part of NPL Site

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	11/01/1979
Assessment:	PRELIMINARY ASSESSMENT	Completed:	06/06/1986
Assessment:	PRELIMINARY ASSESSMENT	Completed:	12/07/1988
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/01/1992

CERCLIS Site Status:

Addressed as part of an existing NPL site

CERCLIS Alias Name(s):

PACIFIC RESIN & CHEM CO

CORRACTS Data:

EPA Id: WAD009248774  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 02/21/1995  
Corrective Action: CA225NR - Stabilization Measures Evaluation, This facility is , not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

GEORGIA PACIFIC RESINS INC (Continued)

1000357794

2002 NAICS Title: considerations  
Plastics Material and Resin Manufacturing  
Plastics Material and Resin Manufacturing  
Waste Management and Remediation Services

EPA Id: WAD009248774  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 03/19/1993  
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority

2002 NAICS Title: Plastics Material and Resin Manufacturing  
Plastics Material and Resin Manufacturing  
Waste Management and Remediation Services

EPA Id: WAD009248774  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 07/10/1992  
Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

2002 NAICS Title: Plastics Material and Resin Manufacturing  
Plastics Material and Resin Manufacturing  
Waste Management and Remediation Services

RCRAInfo Corrective Action Summary:

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 02/21/1995

Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event Date: 03/19/1993

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event Date: 07/10/1992

RCRAInfo:

Owner: GEORGIA PACIFIC RESINS INC  
(253)572-8181

EPA ID: WAD009248774

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

GEORGIA PACIFIC RESINS INC (Continued)

1000357794

Violation Status: Violations exist

Regulation Violated:	-303-190
Area of Violation:	TSD-CONTAINERS REQUIREMENTS
Date Violation Determined:	05/14/1992
Actual Date Achieved Compliance:	05/14/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/17/1989
Penalty Type:	Not reported
Regulation Violated:	-303-630
Area of Violation:	TSD-CONTAINERS REQUIREMENTS
Date Violation Determined:	05/14/1992
Actual Date Achieved Compliance:	05/14/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/17/1989
Penalty Type:	Not reported
Regulation Violated:	-303-070
Area of Violation:	TSD-CONTAINERS REQUIREMENTS
Date Violation Determined:	05/14/1992
Actual Date Achieved Compliance:	05/14/1992
Regulation Violated:	Not reported
Area of Violation:	TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined:	10/05/1989
Actual Date Achieved Compliance:	01/04/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/17/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	10/05/1989
Actual Date Achieved Compliance:	01/04/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/17/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/17/1987
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/01/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/17/1987
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/01/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/17/1987

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

GEORGIA PACIFIC RESINS INC (Continued)

1000357794

Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/01/1987  
Penalty Type: Not reported

There are 8 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-CONTAINERS REQUIREMENTS	19920514
	TSD-CONTAINERS REQUIREMENTS	19920514
	TSD-CONTAINERS REQUIREMENTS	19920514
Compliance Evaluation Inspection	TSD-CONTINGENCY PLAN REQUIREMENTS	19900104
	GENERATOR-OTHER REQUIREMENTS	19900104
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

WA NFA:

Facility/Site Id : 1238  
Ecology Status : Contruction Complete, Operation and Maint underway  
Independent Status Code : Not reported  
WARM Bin Number : Not reported  
NFA Code : Referred to another Ecology program  
NFA Date : 01/16/96  
Program Plan Code : Not reported  
NFA Desc : Referred (transferred) to another Ecology program

47  
East  
1/4-1/2  
2290 ft.

NORTH AMERICAN PACKAGING CORP  
1702 PORT OF TACOMA RD  
TACOMA, WA 98421

RCRA-SQG 1000252076  
CSCSL WAD009242249  
FINDS

Relative:  
Higher

RCRAInfo:  
Owner: NORTH AMERICAN PACKAGING CORP  
EPA ID: WAD009242249  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

Actual:  
6 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 75139839  
MTBE Code: Not reported  
Prog plan code : 3  
UXO Code : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

NORTH AMERICAN PACKAGING CORP (Continued)

1000252076

Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 51" / 122° 24' 1"  
Facility ID: 75139839  
MTBE Code: Not reported  
Prog plan code : 3  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet  
cleanup levels established for the site. (This status determination may only be made  
by Ecology)  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Below MTCA cleanup levels  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Treated, removed, or contained  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**NORTH AMERICAN PACKAGING CORP (Continued)**

**1000252076**

Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 51" / 122° 24' 1"

**J48  
SE  
1/4-1/2  
2458 ft.**

**CASCADE TIMBER 3 POT  
THORNE RD / MAXWELL  
TACOMA, WA 98421**

**CSCSL S101703277  
N/A**

**Relative:  
Higher**

**Actual:  
10 ft.**

**Site 1 of 3 in cluster J**

**SHWS:**

Facility ID: 1206  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action Completed, Confirmational Monitoring Underway  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet cleanup levels established for the site. (This status determination may only be made by Ecology)

Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Treated, removed, or contained  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 3  
Lat/Long : 47° 15' 38" / 122° 24' 17"

Facility ID: 1206  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE TIMBER 3 POT (Continued)

S101703277

Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action Completed, Confirmation Monitoring Underway  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet  
cleanup levels established for the site. (This status determination may only be made  
by Ecology  
Affected Media : Surface Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Treated, removed, or contained  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 3  
Lat/Long : 47° 15' 38" / 122° 24' 17"

Facility ID: 1206  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action Completed, Confirmation Monitoring Underway  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet  
cleanup levels established for the site. (This status determination may only be made  
by Ecology  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Treated, removed, or contained  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE TIMBER 3 POT (Continued)

S101703277

Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 3  
Lat/Long : 47° 15' 38" / 122° 24' 17"

J49  
SE  
1/4-1/2  
2458 ft.

CASCADE TIMBER 3 POT  
THORNE RD & MAXWELL  
TACOMA, WA 98421

FINDS 1007080865  
INST CONTROL 110015575885

Site 2 of 3 in cluster J

Relative:  
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site:

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Actual:  
10 ft.

WA INSTUTIONAL CONTROL:

Facility Site Id : 1206  
Nfa Code : Not reported  
Nfa Date : Not reported  
Decision Document Id : 313  
Document Type : Consent Decree (CD)  
Filing Num (county) : 94-2-03590-3 & 94TC-S167  
Filing Date : 4/1/1994 00:00:00  
Inst Control Doc Id : 1  
IC Document Type : Restrictive Covenant  
Status Of IC Doc Type : Active  
County Filing # For Individual IC Doc : Not reported  
Filing Date Of Individual IC Doc : Not reported  
Status Date : Not reported  
IC Category Id : 562  
IC Category : Property Use Restriction  
Comments: Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).

NFA Desc : Not reported  
IC Doc Type : Consent Decree (CD)  
IC Doc Status : Active  
IC Category Desc : Property Use Restriction

Facility Site Id : 1206  
Nfa Code : Not reported  
Nfa Date : Not reported  
Decision Document Id : 313  
Document Type : Consent Decree (CD)  
Filing Num (county) : 94-2-03590-3 & 94TC-S167  
Filing Date : 4/1/1994 00:00:00  
Inst Control Doc Id : 1  
IC Document Type : Restrictive Covenant  
Status Of IC Doc Type : Active  
County Filing # For Individual IC Doc : Not reported  
Filing Date Of Individual IC Doc : Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE TIMBER 3 POT (Continued)

1007080865

Status Date : Not reported  
IC Category Id : 563  
IC Category : Physical measure  
Comments: Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).

NFA Desc : Not reported  
IC Doc Type : Consent Decree (CD)  
IC Doc Status : Active  
IC Category Desc : Physical Measure

Facility Site Id : 1206  
Nfa Code : Not reported  
Nfa Date : Not reported  
Decision Document Id : 313  
Document Type : Consent Decree (CD)  
Filing Num (county) : 94-2-03590-3 & 94TC-S167  
Filing Date : 4/1/1994 00:00:00  
Inst Control Doc Id : 1  
IC Document Type : Restrictive Covenant  
Status Of IC Doc Type : Active  
County Filing # For Individual IC Doc : Not reported  
Filing Date Of Individual IC Doc : Not reported  
Status Date : Not reported  
IC Category Id : 564  
IC Category : Maintenance Requirements

Comments: Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).  
Land use restriction: site use limited to industrial uses (cap and monitoring).

NFA Desc : Not reported  
IC Doc Type : Consent Decree (CD)  
IC Doc Status : Active  
IC Category Desc : Maintenance Requirements

J50  
SE  
1/4-1/2  
2458 ft.

CASCADE TIMBER 3 US OIL  
THORNE RD / MAXWELL  
TACOMA, WA 98421

CSCSL NFA S105430666  
N/A

Relative:  
Higher

Site 3 of 3 in cluster J

Actual:  
10 ft.

WA NFA:  
Facility/Site Id : 1258  
Ecology Status : RA Conducted,Residual Contamn left, on going IC reqd  
Independent Status Code : Not reported  
WARM Bin Number : 0  
NFA Code : 9  
NFA Date : 02/04/02  
Program Plan Code : 2  
NFA Desc : Removed from HSL, Restrict Cov, Institutnl Cntrls

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

51 COMMENCEMENT BAY NEARSHORE TIDEFLATS  
South COMMENCEMENT BAY  
1/2-1 TACOMA, WA 98402  
3003 ft.

CSCSL S100079999  
INST CONTROL N/A

Relative:  
Higher

SHWS:

Actual:  
13 ft.

Facility ID: 42  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Confirmed above MTCA cleanup levels  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 99  
Lat/Long : 47° 15' 52" / 122° 24' 54"

Facility ID: 42  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Affected Media : Surface Water

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COMMENCEMENT BAY NEARSHORE TIDEFLATS (Continued)

S100079999

Arsenic Code: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Base/Neutral/Acid Organics:	Confirmed above MTCA cleanup levels
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Confirmed above MTCA cleanup levels
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Confirmed above MTCA cleanup levels
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	99

Lat/Long : 47° 15' 52" / 122° 24' 54"

Facility ID: 42

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Base/Neutral/Acid Organics:	Confirmed above MTCA cleanup levels
Halogenated Organic Compounds:	Confirmed above MTCA cleanup levels
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Confirmed above MTCA cleanup levels
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Confirmed above MTCA cleanup levels
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

COMMENCEMENT BAY NEARSHORE TIDEFLATS (Continued)

S100079999

Conventional Contaminants, Inorganic: Not reported  
Method Code : 99  
Lat/Long : 47° 15' 52" / 122° 24' 54"

WA INSTUTIONAL CONTROL:

Facility Site Id : 42  
Nfa Code : Not reported  
Nfa Date : Not reported  
Decision Document Id : 122  
Document Type : Agreed Order  
Filing Num (county) : CERCLA 10-2002-0064  
Filing Date : 3/25/2002 00:00:00  
Inst Control Doc Id : 1  
IC Document Type : Ordinance  
Status Of IC Doc Type : No Proof of Filing  
County Filing # For Individual IC Doc : Not reported  
Filing Date Of Individual IC Doc : Not reported  
Status Date : 8/23/2002 00:00:00  
IC Category Id : 171  
IC Category : Property Use Restriction  
Comments : may require ground water restriction at completion of cleanup; current restrictions require no activities on site that may affect remedial actions  
NFA Desc : Not reported  
IC Doc Type : Agreed Order  
IC Doc Status : No Proof of Filing  
IC Category Desc : Property Use Restriction

52 SIMPSON TACOMA KRAFT CO  
SW 801 PORTLAND AVE  
1/2-1 TACOMA, WA 98421  
3139 ft.

CSCSL 1005932294  
TSCA N/A  
EMI  
CA HAZNET

Relative:  
Higher

Actual:  
8 ft.

SHWS:

Facility ID: 39  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Industrial Section  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action Completed, Confirmational Monitoring Underway  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet cleanup levels established for the site. (This status determination may only be made by Ecology  
Affected Media : Sediments  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Treated, removed, or contained  
Non-Halogenated Solvents: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Treated, removed, or contained  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Treated, removed, or contained  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 42" / 122° 25' 23"

WA AIR EMISSIONS:

Facility ID: Not reported  
SO2 Chemical: Not reported  
VOC Chemical: Not reported  
PM10 Chemical: Not reported  
Mailing Name: SIMPSON TACOMA KRAFT  
801 PORTLAND AVE  
TACOMA, WA 98421  
Year Of Info: 2003  
Mail Add Zip 2: Not reported  
Point Num: 10  
Tot Suspended Particulate Tons/Yr: Not reported  
Ecology Facility ID :39  
Fed County Code 053  
Process ID : 01  
Univsl Business ID:00592181  
Contact Name : RICHARD FORSBERG  
Contact Phone : (253)596-0304  
Contact E-mail : DFORSBE@SIMPSON.COM  
Plant SIC Code : 2621  
Plant Lat/Long : 47° 15' 42" / -122° 25' 22"  
Point Comments : Not reported  
Boilers Design Capacity At A Point : Not reported  
SIC Code For A Point Process: 2621  
Plant Lat/Long : 47° 15' 42" / 122° 25' 22"  
% Of Ops Occuring During Qtr Dec-Feb : 22  
% Of Ops Occuring During Qtr Mar-May : 26  
% Of Ops Occuring During Qtr Jun-Aug : 26  
% Of Ops Occuring During Qtr Sep-Nov : 26  
# Of Hours Facility Operates Each Day : 24  
# Of Days Facility Operates Each Week : 7  
# Of Weeks Facility Operates Each Year : 50  
Exit Temp Of A Stack Or Vent : 366  
% Wtr In Stack / Vent Exhaust : 24.5  
Height Of Stack : 275  
Diameter Of Stack : 14  
Air Flow From A Vent Or Stack : 324600  
% Oxygen In Stack / Vent Exhaust : 6.2  
Vertical Dist Exhaust Travels From Stack/vent Outlet : Not reported  
Source Classifcn Code For Each Process In A Facility : 30700110  
EPA Code For Throughput Unit Of Measure : TON  
EPA Mat Code For Throughput At Each Process : 627  
EPA Code For Mat Thrupt Fate Desc/input/output/existing : 0  
Description Of Material : Air-Dried Unbleached Pulp  
Annual Qty Of Throughput Mat : Not reported  
Maximum Rate/amount Of Annual Throughput : Not reported  
Percent Of Sulfur In Fuels : Not reported

Local ID: Not reported  
NO2 Chemical: Not reported  
CO Chemical: Not reported  
Year Of Info: 2003  
Point Desc: RECOVERY BOILER # 4  
Local Air Agency IDS  
Source Number : 0008  
Plant Name : SIMPSON TACOMA KRAFT  
Contact Fax : (253)596-0160

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Percent Of Ash In Fuels :	Not reported		
SCC Process Description :	Not reported		
Emission Unit Output Threshold :	N		
Facility's Throughput Data Confidential :	No		
Tot Suspended Partclt Emissn Tons/Year :	16		
Tot Suspended Partclte Emissions Estmn Code :	1		
Pri Particulate Matter Cntrl Tech Code At Point/Segment :	010		
Sec Particulate Matter Cntrl Tech Code At Point/segment :	Not reported		
% Control Of Particulate Matter Emissions :	99		
Particulate Matter Emission (?10microns) Tons/Year :	9		
Particulate Matter Emission (?10microns) Est Code :	5		
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	010		
Sec Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	Not reported		
% Cntrl Of Prtclte Matter (? 10microns) Emisns :	99		
Prtclte Matter (?2.5microns)emisns In Tons/Yr :	Not reported		
Prtclte Matter Emisn (?2.5microns) Est Code :	Not reported		
Pri Ptcuate Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported		
Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported		
% Cntrl Of Particulate Matter (?2.5microns) Emissions :	Not reported		
Sulfur Dioxide Emissions Tons/Year :	581		
Sulfur Dioxide Emission Estimation Code :	1		
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported		
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported		
Percent Control Of Sulfur Dioxide Emissions :	Not reported		
Nitrous Oxides Emissions In Tons/Yr :	294		
Nitrous Oxides Emission Estimation Code :	1		
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment :	Not reported		
Sec Nitrous Oxide Control Tech Code At Point Segment :	Not reported		
Percent Control Of Nitrous Oxides Emissions :	Not reported		
Desc Of Volatile Organic Compound Emitted :	Not reported		
Volatile Organic Compound Emissions In Tons/Year :	23		
Voltl Organic Compound Emissions Est Code :	1		
Pri Voltl Organic Compound Cntrl Tech Code At Pt/seg :	Not reported		
Sec Voltle Organic Compound Cntrl Tech Code At Pt/Seg :	Not reported		
% Cntrl Of Volatile Organic Compound Emissions :	Not reported		
Carbon Monoxide Emissions In Tons/Year :	654		
Carbon Monoxide Emission Est Code :	1		
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported		
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported		
% Cntrl Of Carbon Monoxide Emissions :	Not reported		
Lead Emissions In Tons/Year :	Not reported		
Lead Emission Estimation Code :	Not reported		
PM10 Nonattainment Area :	A		
Ozone Nonattainment Area :	A		
CO Nonattainment Area :	A		
UTM East :	543.5		
UTM North :	5235		
UTM Zone :	10		
Plant Lat/Long :	47.2616666666667 / -122.422777777778		
Point Lat/Long :	47.2616666666667 / -122.422777777778		
Facility type :	T5		
Plant NAICS :	322122		
Point NAICS :	322122		
P NH3 Control :	Not reported		
Facility ID:	Not reported	Local ID:	Not reported
SO2 Chemical:	Not reported	NO2 Chemical:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

VOC Chemical:	Not reported	CO Chemical:	Not reported
PM10 Chemical:	Not reported	Year Of Info:	2003
Mailing Name:	SIMPSON TACOMA KRAFT 801 PORTLAND AVE TACOMA, WA 98421		
Year Of Info:	2003	Point Desc:	SMELT TANK #4 EAST & WEST VENTS
Mail Add Zip 2:	Not reported	Local Air Agency IDS	
Point Num:	12	Source Number :	0008
Tot Suspended Particulate Tons/Yr:	Not reported	Plant Name :	SIMPSON TACOMA KRAFT
Ecology Facility ID	39	Contact Fax :	(253)596-0160
Fed County Code	053		
Process ID :	01		
Univsl Business ID	000592181		
Contact Name :	RICHARD FORSBERG		
Contact Phone :	(253)596-0304		
Contact E-mail :	DFORSBE@SIMPSON.COM		
Plant SIC Code :	2621		
Plant Lat/Long :	47° 15' 42" / -122° 25' 22"		
Point Comments :	Not reported		
Boilers Design Capacity At A Point :	Not reported		
SIC Code For A Point Process:	2611		
Plant Lat/Long :	47° 15' 42" / 122° 25' 22"		
% Of Ops Occuring During Qtr Dec-Feb :	22		
% Of Ops Occuring During Qtr Mar-May :	26		
% Of Ops Occuring During Qtr Jun-Aug :	26		
% Of Ops Occuring During Qtr Sep-Nov :	26		
# Of Hours Facility Operates Each Day :	24		
# Of Days Facility Operates Each Week :	7		
# Of Weeks Facility Operates Each Year :	50		
Exit Temp Of A Stack Or Vent :	144		
% Wtr In Stack / Vent Exhaust :	20.5		
Height Of Stack :	208		
Diameter Of Stack :	4		
Air Flow From A Vent Or Stack :	44400		
% Oxygen In Stack / Vent Exhaust :	20.9		
Vertical Dist Exhaust Travels From Stack/vent Outlet :	Not reported		
Source Classifcn Code For Each Process In A Facility :	30700105		
EPA Code For Throughput Unit Of Measure :	TON		
EPA Mat Code For Throughput At Each Process :	627		
EPA Code For Mat Throput Fate Desc/input/output/existing :	O		
Description Of Material :	Air-Dried Unbleached Pulp		
Annual Qty Of Throughput Mat :	Not reported		
Maximum Rate/amount Of Annual Throughput :	Not reported		
Percent Of Sulfur In Fuels :	Not reported		
Percent Of Ash In Fuels :	Not reported		
SCC Process Description :	Not reported		
Emission Unit Output Threshold :	N		
Facility's Throughput Data Confidential :	No		
Tot Suspended Partclt Emissn Tons/Year :	60		
Tot Suspended Partclte Emissions Estmn Code :	1		
Pri Particulate Matter Cntrl Tech Code At Point/Segment :	002		
Sec Particulate Matter Cntrl Tech Code At Point/segment :	Not reported		
% Control Of Particulate Matter Emissions :	95		
Particulate Matter Emission (?10microns) Tons/Year :	54		
Partclte Matter Emission (?10microns) Est Code :	3		
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	002		
Sec Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	Not reported		



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

% Cntrl Of Prtclte Matter (? 10microns) Emisns :	95
Prtclte Matter (?2.5microns)emisins In Tons/Yr :	Not reported
Prtclte Matter Emisn (?2.5microns) Est Code :	Not reported
Pri Ptcutate Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions :	Not reported
Sulfur Dioxide Emissions Tons/Year :	6
Sulfur Dioxide Emission Estimation Code :	5
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Percent Control Of Sulfur Dioxide Emissions :	Not reported
Nitrous Oxides Emissions In Tons/Yr :	9
Nitrous Oxides Emission Estimation Code :	5
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment :	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment :	Not reported
Percent Control Of Nitrous Oxides Emissions :	Not reported
Desc Of Volatile Organic Compound Emitted :	Not reported
Volatile Organic Compound Emissions In Tons/Year :	3
Voltil Organic Compound Emissions Est Code :	5
Pri Voltil Organic Compound Cntrl Tech Code At Pt/seg :	999
Sec Volite Organic Compound Cntrl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Volatile Organic Compound Emissions :	Not reported
Carbon Monoxide Emissions In Tons/Year :	0
Carbon Monoxide Emission Est Code :	0
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Carbon Monoxide Emissions :	Not reported
Lead Emissions In Tons/Year :	Not reported
Lead Emission Estimation Code :	Not reported
PM10 Nonattainment Area :	A
Ozone Nonattainment Area :	A
CO Nonattainment Area :	A
UTM East :	543.5
UTM North :	5235
UTM Zone :	10
Plant Lat/Long :	47.2616666666667 / -122.422777777778
Point Lat/Long :	47.2616666666667 / -122.422777777778
Facility type :	T5
Plant NAICS :	322122
Point NAICS :	Not reported
P NH3 Control :	Not reported
Facility ID:	Not reported
SO2 Chemical:	Not reported
VOC Chemical:	Not reported
PM10 Chemical:	Not reported
Mailing Name:	SIMPSON TACOMA KRAFT 801 PORTLAND AVE TACOMA, WA 98421
Year Of Info:	2003
Mail Add Zip 2:	Not reported
Point Num:	14
Tot Suspended Particulate Tons/Yr:	Not reported
Ecology Facility ID	39
Fed County Code	053
Process ID :	01
Univsl Business ID	00592181
Local ID:	Not reported
NO2 Chemical:	Not reported
CO Chemical:	Not reported
Year Of Info:	2003
Point Desc:	LIME KILN #1
Local Air Agency IDS	
Source Number :	0008
Plant Name :	SIMPSON TACOMA KRAFT

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Contact Name : RICHARD FORSBERG  
Contact Phone : (253)596-0304 Contact Fax : (253)596-0160  
Contact E-mail : DFORSBE@SIMPSON.COM  
Plant SIC Code : 2621  
Plant Lat/Long : 47° 15' 42" / -122° 25' 22"  
Point Comments : Not reported  
Boilers Design Capacity At A Point : Not reported  
SIC Code For A Point Process : 2611  
Plant Lat/Long : 47° 15' 42" / 122° 25' 22"  
% Of Ops Occuring During Qtr Dec-Feb : 18  
% Of Ops Occuring During Qtr Mar-May : 27  
% Of Ops Occuring During Qtr Jun-Aug : 27  
% Of Ops Occuring During Qtr Sep-Nov : 27  
# Of Hours Facility Operates Each Day : 24  
# Of Days Facility Operates Each Week : 7  
# Of Weeks Facility Operates Each Year : 46  
Exit Temp Of A Stack Or Vent : 161  
% Wtr In Stack / Vent Exhaust : 32.2  
Height Of Stack : 123  
Diameter Of Stack : 4  
Air Flow From A Vent Or Stack : 42600  
% Oxygen In Stack / Vent Exhaust : 6.1  
Vertical Dist Exhaust Travels From Stack/vent Outlet : Not reported  
Source Classifcn Code For Each Process In A Facility : 30700106  
EPA Code For Throughput Unit Of Measure : TON  
EPA Mat Code For Throughput At Each Process : 627  
EPA Code For Mat Throput Fate Desc/input/output/existing : O  
Description Of Material : Air-Dried Unbleached Pulp  
Annual Qty Of Throughput Mat : Not reported  
Maximum Rate/amount Of Annual Throughput : Not reported  
Percent Of Sulfur In Fuels : Not reported  
Percent Of Ash In Fuels : Not reported  
SCC Process Description : INCLUDES ALL CRITERIA POLLUTANTS FOR SEGMENTS 01-03  
Emission Unit Output Threshold : N  
Facility's Throughput Data Confidential : No  
Tot Suspended Partclt Emissn Tons/Year : 54  
Tot Suspended Partclte Emissions Estmn Code : 1  
Pri Particulate Matter Cntrl Tech Code At Point/Segment : 001  
Sec Particulate Matter Cntrl Tech Code At Point/segment : Not reported  
% Control Of Particulate Matter Emissions : 98  
Particulate Matter Emission (?10microns) Tons/Year : 52  
Partclte Matter Emission (?10microns) Est Code : 5  
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg : 001  
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg : Not reported  
% Cntrl Of Prtclte Matter (? 10microns) Emisns : Not reported  
Prtclte Matter (?2.5microns)emisns In Tons/Yr : Not reported  
Prtclte Matter Emisn (?2.5microns) Est Code : Not reported  
Pri Ptcuate Matter (?2.5microns) Ctl Tech Code At Pt/Seg : Not reported  
Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg : Not reported  
% Cntrl Of Particulate Matter (?2.5microns) Emissions : Not reported  
Sulfur Dioxide Emissions Tons/Year : 40  
Sulfur Dioxide Emission Estimation Code : 1  
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg : Not reported  
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg : Not reported  
Percent Control Of Sulfur Dioxide Emissions : Not reported  
Nitrous Oxides Emissions In Tons/Yr : 31  
Nitrous Oxides Emission Estimation Code : 1

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Pri Nitrous Oxides Cntrl Tech Code At Point/Segment : Not reported  
Sec Nitrous Oxide Control Tech Code At Point Segment : Not reported  
Percent Control Of Nitrous Oxides Emissions : Not reported  
Desc Of Volatile Organic Compound Emitted : Not reported  
Volatile Organic Compound Emissions In Tons/Year : 0.1  
Votl Organic Compound Emissions Est Code : 1  
Pri Votl Organic Compound Cntrl Tech Code At Pt/seg : Not reported  
Sec Votl Organic Compound Cntrl Tech Code At Pt/Seg : Not reported  
% Cntrl Of Volatile Organic Compound Emissions : Not reported  
Carbon Monoxide Emissions In Tons/Year : 59  
Carbon Monoxide Emission Est Code : 1  
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg : 999  
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg : 999  
% Cntrl Of Carbon Monoxide Emissions : 999  
Lead Emissions In Tons/Year : 999  
Lead Emission Estimation Code : 999  
PM10 Nonattainment Area : A  
Ozone Nonattainment Area : A  
CO Nonattainment Area : A  
UTM East : 543.5  
UTM North : 5235  
UTM Zone : 10  
Plant Lat/Long : 47.2616666666667 / -122.422777777778  
Point Lat/Long : 47.2616666666667 / -122.422777777778  
Facility type : T5  
Plant NAICS : 322122  
Point NAICS : Not reported  
P NH3 Control : Not reported

Facility ID: Not reported Local ID: Not reported  
SO2 Chemical: Not reported NO2 Chemical: Not reported  
VOC Chemical: Not reported CO Chemical: Not reported  
PM10 Chemical: Not reported Year Of Info: 2003

Mailing Name: SIMPSON TACOMA KRAFT  
801 PORTLAND AVE  
TACOMA, WA 98421

Year Of Info: 2003  
Mail Add Zip 2: Not reported  
Point Num: 14

Point Desc: LIME KILN #1

Tot Suspended Particulate Tons/Yr: Not reported

Ecolgy Facility ID :39  
Fed County Code 053

Local Air Agency IDS

Source Number : 0008

Process ID : 02

Plant Name : SIMPSON TACOMA KRAFT

Univsl Business ID600592181

Contact Name : RICHARD FORSBERG

Contact Fax : (253)596-0160

Contact Phone : (253)596-0304

Contact E-mail : DFORSBE@SIMPSON.COM

Plant SIC Code : 2621

Plant Lat/Long : 47° 15' 42" / -122° 25' 22"

Point Comments : Not reported

Boilers Design Capacity At A Point : Not reported

SIC Code For A Point Process: 2611

Plant Lat/Long : 47° 15' 42" / 122° 25' 22"

% Of Ops Occuring During Qtr Dec-Feb : 18

% Of Ops Occuring During Qtr Mar-May : 27

% Of Ops Occuring During Qtr Jun-Aug : 27

% Of Ops Occuring During Qtr Sep-Nov : 27

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

# Of Hours Facility Operates Each Day :	24
# Of Days Facility Operates Each Week :	7
# Of Weeks Facility Operates Each Year :	46
Exit Temp Of A Stack Or Vent :	161
% Wtr In Stack / Vent Exhaust :	32.2
Height Of Stack :	123
Diameter Of Stack :	4
Air Flow From A Vent Or Stack :	42600
% Oxygen In Stack / Vent Exhaust :	6.1
Vertical Dist Exhaust Travels From Stack/vent Outlet :	Not reported
Source Classifcn Code For Each Process In A Facility :	39000499
EPA Code For Throughput Unit Of Measure :	TON
EPA Mat Code For Throughput At Each Process :	279
EPA Code For Mat Thrupt Fate Desc/input/output/existing :	1
Description Of Material :	Residual Oil
Annual Qty Of Throughput Mat :	Not reported
Maximum Rate/amount Of Annual Throughput :	Not reported
Percent Of Sulfur In Fuels :	Not reported
Percent Of Ash In Fuels :	Not reported
SCC Process Description :	EMISSIONS ON SEGMENT 01
Emission Unit Output Threshold :	N
Facility's Throughput Data Confidential :	No
Tot Suspended Partclt Emissn Tons/Year :	Not reported
Tot Suspended Partclte Emissions Estmn Code :	1
Pri Particulate Matter Cntrl Tech Code At Point/Segment :	001
Sec Particulate Matter Cntrl Tech Code At Point/segment :	Not reported
% Control Of Particulate Matter Emissions :	98
Particulate Matter Emission (?10microns) Tons/Year :	Not reported
Partclte Matter Emission (?10microns) Est Code :	5
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	001
Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns :	Not reported
Prtclte Matter (?2.5microns)emisns In Tons/Yr :	Not reported
Prtclte Matter Emisn (?2.5microns) Est Code :	Not reported
Pri Ptcuate Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions :	Not reported
Sulfur Dioxide Emissions Tons/Year :	Not reported
Sulfur Dioxide Emission Estimation Code :	1
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Percent Control Of Sulfur Dioxide Emissions :	Not reported
Nitrous Oxides Emissions In Tons/Yr :	Not reported
Nitrous Oxides Emission Estimation Code :	1
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment :	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment :	Not reported
Percent Control Of Nitrous Oxides Emissions :	Not reported
Desc Of Volatile Organic Compound Emitted :	Not reported
Volatile Organic Compound Emissions In Tons/Year :	Not reported
Voltl Organic Compound Emissions Est Code :	Not reported
Pri Voltl Organic Compound Cntl Tech Code At Pt/seg :	Not reported
Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Volatile Organic Compound Emissions :	Not reported
Carbon Monoxide Emissions In Tons/Year :	Not reported
Carbon Monoxide Emission Est Code :	1
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg :	999
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg :	999

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

% Cntrl Of Carbon Monoxide Emissions : 999  
Lead Emissions In Tons/Year : 999  
Lead Emission Estimation Code : 999  
PM10 Nonattainment Area : A  
Ozone Nonattainment Area : A  
CO Nonattainment Area : A  
UTM East : 543.5  
UTM North : 5235  
UTM Zone : 10  
Plant Lat/Long : 47.261666666667 / -122.42277777778  
Point Lat/Long : 47.261666666667 / -122.42277777778  
Facility type : T5  
Plant NAICS : 322122  
Point NAICS : Not reported  
P NH3 Control : Not reported

Facility ID: Not reported  
SO2 Chemical: Not reported  
VOC Chemical: Not reported  
PM10 Chemical: Not reported  
Local ID: Not reported  
NO2 Chemical: Not reported  
CO Chemical: Not reported  
Year Of Info: 2003

Mailing Name: SIMPSON TACOMA KRAFT  
801 PORTLAND AVE  
TACOMA, WA 98421

Year Of Info: 2003

Mail Add Zip 2: Not reported

Point Num: 14

Tot Suspended Particulate Tons/Yr: Not reported

Ecolgy Facility ID :39

Fed County Code 053

Process ID : 03

Univsl Business ID:00592181

Contact Name : RICHARD FORSBERG

Contact Phone : (253)596-0304

Contact E-mail : DFORSBE@SIMPSON.COM

Plant SIC Code : 2621

Plant Lat/Long : 47° 15' 42" / -122° 25' 22"

Point Comments : Not reported

Boilers Design Capacity At A Point : Not reported

SIC Code For A Point Process: 2611

Plant Lat/Long : 47° 15' 42" / 122° 25' 22"

% Of Ops Occuring During Qtr Dec-Feb : 18

% Of Ops Occuring During Qtr Mar-May : 27

% Of Ops Occuring During Qtr Jun-Aug : 27

% Of Ops Occuring During Qtr Sep-Nov : 27

# Of Hours Facility Operates Each Day : 24

# Of Days Facility Operates Each Week : 7

# Of Weeks Facility Operates Each Year : 46

Exit Temp Of A Stack Or Vent : 161

% Wtr In Stack / Vent Exhaust : 32.2

Height Of Stack : 123

Diameter Of Stack : 4

Air Flow From A Vent Or Stack : 42600

% Oxygen In Stack / Vent Exhaust : 6.1

Vertical Dist Exhaust Travels From Stack/vent Outlet : Not reported

Source Classifcn Code For Each Process In A Facility : 39000699

EPA Code For Throughput Unit Of Measure : E3GAL

EPA Mat Code For Throughput At Each Process : 209

Point Desc: LIME KILN #1

Local Air Agency IDS

Source Number : 0008

Plant Name : SIMPSON TACOMA KRAFT

Contact Fax : (253)596-0160

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

EPA Code For Mat Throput Fate Desc/input/output/existing : I  
 Description Of Material : Natural Gas  
 Annual Qty Of Throughput Mat : Not reported  
 Maximum Rate/amount Of Annual Throughput : Not reported  
 Percent Of Sulfur In Fuels : Not reported  
 Percent Of Ash In Fuels : Not reported  
 SCC Process Description : EMISSIONS ON SEGMENT 01  
 Emission Unit Output Threshold : N  
 Facility's Throughput Data Confidential : No  
 Tot Suspended Partclt Emissn Tons/Year : Not reported  
 Tot Suspended Partclte Emissions Estmn Code : 1  
 Pri Particulate Matter Cntrl Tech Code At Point/Segment : 001  
 Sec Particulate Matter Cntrl Tech Code At Point/segment : Not reported  
 % Control Of Particulate Matter Emissions : 98  
 Particulate Matter Emission (?10microns) Tons/Year : Not reported  
 Partclte Matter Emission (?10microns) Est Code : 5  
 Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg : 001  
 Sec Prtclte Matter (?10microns) Cntl Tech Code At Pt/Seg : Not reported  
 % Cntrl Of Prtclte Matter (? 10microns) Emisns : Not reported  
 Prtclte Matter (?2.5microns)emisns In Tons/Yr : Not reported  
 Prtclte Matter Emisn (?2.5microns) Est Code : Not reported  
 Pri Ptcuate Matter (?2.5microns) Ctl Tech Code At Pt/Seg : Not reported  
 Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg : Not reported  
 % Cntrl Of Particulate Matter (?2.5microns) Emissions : Not reported  
 Sulfur Dioxide Emissions Tons/Year : Not reported  
 Sulfur Dioxide Emission Estimation Code : 1  
 Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg : Not reported  
 Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg : Not reported  
 Percent Control Of Sulfur Dioxide Emissions : Not reported  
 Nitrous Oxides Emissions In Tons/Yr : Not reported  
 Nitrous Oxides Emission Estimation Code : 1  
 Pri Nitrous Oxides Cntrl Tech Code At Point/Segment : Not reported  
 Sec Nitrous Oxide Control Tech Code At Point Segment : Not reported  
 Percent Control Of Nitrous Oxides Emissions : Not reported  
 Desc Of Volatile Organic Compound Emitted : Not reported  
 Volatile Organic Compound Emissions In Tons/Year : Not reported  
 Voltl Organic Compound Emissions Est Code : Not reported  
 Pri Voltl Organic Compound Cntl Tech Code At Pt/seg : Not reported  
 Sec Voltle Organic Compound Cntl Tech Code At Pt/Seg : Not reported  
 % Cntrl Of Volatile Organic Compound Emissions : Not reported  
 Carbon Monoxide Emissions In Tons/Year : Not reported  
 Carbon Monoxide Emission Est Code : 1  
 Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg : 999  
 Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg : 999  
 % Cntrl Of Carbon Monoxide Emissions : 999  
 Lead Emissions In Tons/Year : 999  
 Lead Emission Estimation Code : 999  
 PM10 Nonattainment Area : A  
 Ozone Nonattainment Area : A  
 CO Nonattainment Area : A  
 UTM East : 543.5  
 UTM North : 5235  
 UTM Zone : 10  
 Plant Lat/Long : 47.261666666667 / -122.422777777778  
 Point Lat/Long : 47.261666666667 / -122.422777777778  
 Facility type : T5  
 Plant NAICS : 322122

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Point NAICS :                      Not reported  
P NH3 Control :                    Not reported

[Click this hyperlink](#) while viewing on your computer to access  
23 additional WA AIRS record(s) in the EDR Site Report.

[Click this hyperlink](#) while viewing on your computer to access  
additional TSCA detail in the EDR Site Report.

HAZNET:

Gepaid:                      WAD082510595  
TSD EPA ID:                Not reported  
Gen County:                99  
Tsd County:                Sacramento  
Tons:                        0.11  
Facility Address 2:        Not reported  
Waste Category:            Other still bottom waste  
Disposal Method:           Disposal, Other  
Contact:                    GREG NARUM  
Telephone:                (253) 596-0234  
Mailing Name:              Not reported  
Mailing Address:          PO BOX 2133  
                                 TACOMA, WA 98401 - 2133  
County                      Not reported  
  
Gepaid:                      WAD082510595  
TSD EPA ID:                Not reported  
Gen County:                99  
Tsd County:                Alameda  
Tons:                        0.31  
Facility Address 2:        Not reported  
Waste Category:            Not reported  
Disposal Method:           Not reported  
Contact:                    GREG NARUM  
Telephone:                (253) 596-0234  
Mailing Name:              Not reported  
Mailing Address:          PO BOX 2133  
                                 TACOMA, WA 98401 - 2133  
County                      Not reported  
  
Gepaid:                      WAD082510595  
TSD EPA ID:                Not reported  
Gen County:                99  
Tsd County:                Alameda  
Tons:                        0.03  
Facility Address 2:        Not reported  
Waste Category:            Other inorganic solid waste  
Disposal Method:           Transfer Station  
Contact:                    GREG NARUM  
Telephone:                (253) 596-0234  
Mailing Name:              Not reported  
Mailing Address:          PO BOX 2133  
                                 TACOMA, WA 98401 - 2133  
County                      Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

SIMPSON TACOMA KRAFT CO (Continued)

1005932294

Gepaid: WAD082510595  
TSD EPA ID: CAD980884183  
Gen County: 99  
Tsd County: 99  
Tons: 0.45  
Facility Address 2: Not reported  
Waste Category: Off-specification, aged, or surplus organics  
Disposal Method: Disposal, Other  
Contact: GREG NARUM  
Telephone: (253) 596-0234  
Mailing Name: Not reported  
Mailing Address: PO BOX 2133  
TACOMA, WA 98401 - 2133  
County 99  
Gepaid: WAD082510595  
TSD EPA ID: Not reported  
Gen County: 99  
Tsd County: Alameda  
Tons: 0.41  
Facility Address 2: Not reported  
Waste Category:  
Disposal Method: Not reported  
Contact: GREG NARUM  
Telephone: (253) 596-0234  
Mailing Name: Not reported  
Mailing Address: PO BOX 2133  
TACOMA, WA 98401 - 2133  
County Not reported

[Click this hyperlink](#) while viewing on your computer to access  
1 additional CA HAZNET record(s) in the EDR Site Report.

53  
ESE  
1/2-1  
3302 ft.  
1920 PORT OF TACOMA ROAD TACOMA  
1920 PORT OF TACOMA RD  
TACOMA, WA 98421

CSCSL S103084026  
N/A

Relative:  
Higher

Actual:  
6 ft.

SHWS:  
Facility ID: 30005  
MTBE Code: Not reported  
Prog plan code: Not reported  
UXO Code: Not reported  
Lat/Long: 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media: Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

1920 PORT OF TACOMA ROAD TACOMA (Continued)

S103084026

Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 46" / 122° 23' 52"

Facility ID: 30005  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 46" / 122° 23' 52"

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**54**  
**ESE**  
**1/2-1**  
**3826 ft.**

**LINCOLN AVENUE DITCH**  
**PORT OF TACOMA RD & LINCOLN AV**  
**TACOMA, WA 98421**

Database(s)  
EDR ID Number  
EPA ID Number

**RCRA-SQG**  
**CSCSL**  
**FINDS**

**1000199786**  
**WAD980980007**

**Relative:**  
**Higher**

**RCRAInfo:**

Owner: WA ECY  
EPA ID: WAD980980007

**Actual:**  
**7 ft.**

Contact: MICHAEL BLUM  
(360) 754-2775

Classification: Small Quantity Generator  
TSD Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

**SHWS:**

Facility ID: 1208

MTBE Code: Not reported

Prog plan code : 2

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Not reported

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Not reported

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Method Code :

29

Lat/Long : 47° 15' 42" / 122° 23' 51"

Facility ID: 1208

MTBE Code: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

LINCOLN AVENUE DITCH (Continued)

1000199786

Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 42" / 122° 23' 51"

55  
South  
1/2-1  
3860 ft.

Relative:  
Higher

Actual:  
12 ft.

CASCADE POLE & LUMBER COMPANY  
1640 EAST MARC STREET  
TACOMA, WA 98421

CERCLIS 1000166116  
CSCSL 98421CSCDP16  
FINDS  
RCRA-LQG  
TRIS  
CORRACTS  
US ENG CONTROLS  
US INST CONTROL

CERCLIS Classification Data:

Federal Facility: Not a Federal Facility  
Non NPL Status: Not reported  
NPL Status: Site is Part of NPL Site

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	05/05/1981
Assessment:	PRELIMINARY ASSESSMENT	Completed:	12/30/1987
Assessment:	SITE INSPECTION	Completed:	12/08/1988

CERCLIS Site Status:

Addressed as part of an existing NPL site

CORRACTS Data:

EPA Id: WAD008958357  
Region: 10  
Area Name: FACILITY

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Actual Date: 01/01/1995  
Corrective Action: CA050 - RFA Completed  
2002 NAICS Title: Wood Preservation

EPA Id: WAD008958357  
Region: 10  
Area Name: FACILITY  
Actual Date: 01/18/1995  
Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary  
2002 NAICS Title: Wood Preservation

EPA Id: WAD008958357  
Region: 10  
Area Name: FACILITY  
Actual Date: 03/01/1993  
Corrective Action: CA150 - RFI Workplan Approved  
2002 NAICS Title: Wood Preservation

EPA Id: WAD008958357  
Region: 10  
Area Name: FACILITY  
Actual Date: 06/07/1993  
Corrective Action: CA100 - RFI Imposition  
2002 NAICS Title: Wood Preservation

EPA Id: WAD008958357  
Region: 10  
Area Name: FACILITY  
Actual Date: 06/24/1991  
Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations  
2002 NAICS Title: Wood Preservation

[Click this hyperlink](#) while viewing on your computer to access 22 additional CORRACTS record(s) in the EDR Site Report.

US Engineering Control Sites:

EPA ID: WAD008958357  
Site ID: Not reported  
EPA Region: 10  
County: PIERCE  
Event Code : CA770NG  
Actual Date: 11/30/99

Action ID: Not reported  
Action Name: Not reported  
Action Completion date: Not reported  
Planned Completion date: Not reported  
Operable Unit: Not reported  
Contaminated Media: Not reported  
Contam. Media num.: Not reported  
Engineering Control: Not reported

US INST CONTROL:

EPA ID : WAD008958357  
Name : CASCADE POLE & LUMBER CO TACOMA  
Address : 1640 E MARC ST

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

County : TACOMA 98421  
Region : PIERCE  
Event Code : 10  
Actual Dt : Not reported  
EPA ID : 10-SEP-90  
Name : WAD008958357  
Address : CASCADE POLE & LUMBER CO TACOMA  
1640 E MARC ST  
TACOMA 98421  
County : PIERCE  
Region : 10  
Event Code : Not reported  
Actual Dt : 10-SEP-90

RCRAInfo Corrective Action Summary:

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 08/09/2004

Event: Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event Date: 08/09/2004

Event: RFI Workplan Approved

Event Date: 11/04/2003

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 08/13/2003

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 08/13/2003

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 11/08/2001

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event Date: 11/08/2001

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 07/14/2000

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event Date: 07/14/2000

Event: CA770NG

Event Date: 11/30/1999

Event: Stabilization Construction Completed

Event Date: 10/23/1999

Event: RFI Workplan Approved

Event Date: 09/22/1999

Event: CA770NG

Event Date: 12/31/1997

Event: Current Human Exposures under Control, More information is needed to make a determination.

Event Date: 09/11/1997



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.  
Event Date: 09/11/1997  
Event: RFI Workplan Approved  
Event Date: 11/22/1996  
Event: RFA Determination Of Need For An RFI, RFI is Necessary;  
Event Date: 01/18/1995  
Event: RFA Completed  
Event Date: 01/01/1995  
Event: RFI Approved  
Event Date: 12/27/1994  
Event: Stabilization Construction Completed  
Event Date: 11/30/1993  
Event: CA770NG  
Event Date: 09/30/1993  
Event: CA770NG  
Event Date: 08/31/1993  
Event: RFI Imposition  
Event Date: 06/07/1993  
Event: RFI Workplan Approved  
Event Date: 03/01/1993  
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.  
Event Date: 12/20/1992  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 06/24/1991  
Event: CA772ID  
Event Date: 09/10/1990

RCRAInfo:  
Owner: MCFARLAND CASCADE HOLDINGS INC  
(253)572-3033  
EPA ID: WAD008958357  
Contact: Not reported  
Classification: Large Quantity Generator  
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	2257.98	D018	2257.98
D039	2438.88	D040	2257.98
F032	46760.00	F034	38744.00
F035	16347.00		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Violation Status: Violations exist

Regulation Violated: WAC 173-303-070(3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/20/2002  
Actual Date Achieved Compliance: 04/12/2002

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/20/2002  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-330(1-3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/20/2002  
Actual Date Achieved Compliance: 05/01/2002

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/20/2002  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-675(4)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 02/20/2002  
Actual Date Achieved Compliance: 04/12/2002

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/20/2002  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-160-420(13)  
Area of Violation: TSD-GROUNDWATER MONITORING REQUIREMENTS  
Date Violation Determined: 08/06/1999  
Actual Date Achieved Compliance: 01/17/2000

Enforcement Action: VERBAL INFORMAL  
Enforcement Action Date: 08/06/1999  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-200(1)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 03/27/1998  
Actual Date Achieved Compliance: 10/15/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/27/1998  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-070  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 03/27/1998  
Actual Date Achieved Compliance: 10/15/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/27/1998  
Penalty Type: Not reported

Regulation Violated: WAC 173-303-640  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 03/27/1998  
Actual Date Achieved Compliance: 12/18/1998

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/27/1998  
Penalty Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Regulation Violated:	WAC 173-303-200
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/27/1998
Actual Date Achieved Compliance:	10/15/1998
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/27/1998
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-200(1)(B)(I)
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	01/12/1998
Actual Date Achieved Compliance:	01/13/1998
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	01/12/1998
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-070
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/06/1997
Actual Date Achieved Compliance:	05/29/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/06/1997
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-330(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/06/1997
Actual Date Achieved Compliance:	06/10/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/06/1997
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-340(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/06/1997
Actual Date Achieved Compliance:	05/30/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/06/1997
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	09/04/1991
Actual Date Achieved Compliance:	10/17/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/25/1991
Penalty Type:	Not reported
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	04/11/1985
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/06/1984
Penalty Type:	Not reported
Regulation Violated:	-303-070
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Date Violation Determined: 07/29/1991  
Actual Date Achieved Compliance: 07/04/1992  
Enforcement Action: VERBAL INFORMAL  
Enforcement Action Date: 11/19/1991  
Penalty Type: Not reported  
Regulation Violated: -303-630  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 07/29/1991  
Actual Date Achieved Compliance: 07/04/1992  
Enforcement Action: VERBAL INFORMAL  
Enforcement Action Date: 11/19/1991  
Penalty Type: Not reported  
Regulation Violated: -303-330  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 07/29/1991  
Actual Date Achieved Compliance: 08/10/1991  
Enforcement Action: VERBAL INFORMAL  
Enforcement Action Date: 11/19/1991  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/07/1989  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: VERBAL INFORMAL  
Enforcement Action Date: 11/19/1991  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 11/21/1984  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 12/19/1984  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 11/21/1984  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 04/11/1985  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 12/19/1984  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/28/1984  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 10/25/1991  
Penalty Type: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 04/11/1985  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/06/1984  
Penalty Type: Not reported

There are 20 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20020412
	GENERATOR-GENERAL REQUIREMENTS	20020501
	GENERATOR-GENERAL REQUIREMENTS	20020412
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	20000117
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19981015
	GENERATOR-GENERAL REQUIREMENTS	19981015
	GENERATOR-GENERAL REQUIREMENTS	19981015
	GENERATOR-GENERAL REQUIREMENTS	19981218
On-Site Corrective Action Activities Insp.	GENERATOR-OTHER REQUIREMENTS	19980113
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19970529
	GENERATOR-GENERAL REQUIREMENTS	19970610
	GENERATOR-GENERAL REQUIREMENTS	19970530
CDI	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920704
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910810
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920704
Compliance Evaluation Inspection	GENERATOR-LAND BAN REQUIREMENTS	19911017
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920704
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910810
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920704
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19940704

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
NATIONAL COMPLIANCE DATABASE SYSTEM  
NATIONAL EMISSIONS INVENTORY  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 1222  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Confirmed above MTCA cleanup levels

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Not reported

Phenolic Compounds:

Confirmed above MTCA cleanup levels

Non-Halogenated Solvents:

Suspected to be present

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Confirmed above MTCA cleanup levels

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Method Code :

29

Lat/Long : 47° 15' 1" / 122° 24' 25"

Facility ID: 1222

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Not reported

Phenolic Compounds:

Confirmed above MTCA cleanup levels

Non-Halogenated Solvents:

Suspected to be present

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Confirmed above MTCA cleanup levels

Reactive Wastes:

Not reported

Corrosive Wastes:

Not reported

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 1" / 122° 24' 25"

Facility ID: 1222  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Air  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Suspected to be present  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Suspected to be present  
Non-Halogenated Solvents: Suspected to be present  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Suspected to be present  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 1" / 122° 24' 25"

Facility ID: 1222  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CASCADE POLE & LUMBER COMPANY (Continued)

1000166116

Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Not reported
Phenolic Compounds:	Confirmed above MTCA cleanup levels
Non-Halogenated Solvents:	Suspected to be present
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Confirmed above MTCA cleanup levels
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	29
Lat/Long :	47° 15' 1" / 122° 24' 25"

56  
SSE  
1/2-1  
3904 ft.

LINCOLN AVENUE LANDFILL  
1837 LINCOLN AVE  
TACOMA, WA 98421

CSCSL S100080016  
N/A

Relative:  
Higher

Actual:  
13 ft.

SHWS:

Facility ID: 1240  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:  
Awaiting Site Hazard Assessment (SHA)

Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant medals:	Not reported
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Polychlorinated biPhenyls (PCBs):	Not reported
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Pesticides:	Not reported
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Petroleum Products:	Confirmed above MTCA cleanup levels
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Phenolic Compounds:	Not reported
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Non-Halogenated Solvents:	Not reported
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Dioxin:	Not reported
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Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
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Reactive Wastes:	Not reported
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Corrosive Wastes:	Not reported
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Radioactive Wastes:	Not reported
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Asbestos:	Not reported
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Conventional Contaminants, Organic:	Not reported
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Conventional Contaminants, Inorganic:	Not reported
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Method Code :	29
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Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

LINCOLN AVENUE LANDFILL (Continued)

S100080016

Lat/Long : 47° 15' 18" / 122° 24' 23"

Facility ID: 1240

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Awaiting Site Hazard Assessment (SHA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Confirmed above MTCA cleanup levels

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 15' 18" / 122° 24' 23"

57  
South  
1/2-1  
4292 ft.

MAERSK PACIFIC LTD.  
1675 LINCOLN AVE BLDG 950  
TACOMA, WA 98421

CSCSL U003352417  
UST N/A

Relative:  
Higher

SHWS:

Facility ID: 66987611

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Ranked, Awaiting Remedial Action (RA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

MAERSK PACIFIC LTD. (Continued)

U003352417

Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 4  
Lat/Long : 47° 15' 9" / 122° 24' 30"

Facility ID: 66987611  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 4  
Lat/Long : 47° 15' 9" / 122° 24' 30"

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

MAERSK PACIFIC LTD. (Continued)

U003352417

UST:

Facility ID: 100639  
Site ID: 66987611  
Install Date: 10/01/84  
Capacity: 2,001 TO 4,999 GALLONS  
Status: Removed  
Tank Name: T-17  
Substance: USED OIL/WASTE OIL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 100639  
Site ID: 66987611  
Install Date: 01/01/84  
Capacity: 20,000 TO 29,999 GALLONS  
Status: Operational  
Tank Name: T-16  
Substance: DIESEL  
Compartment #: 1  
Ecology Region: South Western

Facility ID: 100639  
Site ID: 66987611  
Install Date: 10/01/84  
Capacity: 111 to 1,100 Gallons  
Status: Operational  
Tank Name: T-15  
Substance: UNLEADED GASOLINE  
Compartment #: 1  
Ecology Region: South Western

58  
NE  
1/2-1  
4387 ft.

G P GYPSUM CORPORATION  
1240 ALEXANDER AVENUE  
TACOMA, WA 98421

RCRA-SQG 1004614265  
CSCSL WAD988476933  
FINDS

Relative:  
Higher

RCRAInfo:  
Owner: GEORGIA PACIFIC CORP  
EPA ID: WAD988476933  
Contact: GARY SHIFFER  
(253)627-2108

Actual:  
8 ft.

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM  
NATIONAL EMISSIONS INVENTORY  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 44479366  
MTBE Code: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

G P GYPSUM CORPORATION (Continued)

1004614265

Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 12" / 122° 23' 35"

Facility ID: 44479366  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Suspected to be present

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

G P GYPSUM CORPORATION (Continued)

1004614265

Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 12" / 122° 23' 35"

K59  
NNE  
1/2-1  
4493 ft.

PORT OF TACOMA 721 ALEXANDER  
721 ALEXANDER AVE  
TACOMA, WA 98421

CSCSL 1007080775  
FINDS 110015574975

Relative:  
Higher

Site 1 of 2 in cluster K

Actual:  
7 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 1377  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 32" / 122° 24' 7"

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

PORT OF TACOMA 721 ALEXANDER (Continued)

1007080775

Facility ID: 1377  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 32" / 122° 24' 7"

K60  
NNE  
1/2-1  
4498 ft.

PRI NORTHWEST INC  
709 ALEXANDER AVE  
TACOMA, WA 98421

CERCLIS 1000118517  
CSCSL WAD094629367  
FINDS  
RCRA-LQG

Relative:  
Higher

Actual:  
7 ft.

Site 2 of 2 in cluster K

CERCLIS Classification Data:

Federal Facility: Not a Federal Facility  
Non NPL Status: Not reported  
NPL Status: Site is Part of NPL Site

CERCLIS Assessment History:

Assessment: PRELIMINARY ASSESSMENT  
Assessment: SITE INSPECTION  
Assessment: DISCOVERY

Completed: 08/16/1985  
Completed: 05/11/1990  
Completed: 03/17/1991

CERCLIS Site Status:

Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**PRI NORTHWEST INC (Continued)**

**1000118517**

RCRAInfo:

Owner: Not reported  
EPA ID: WAD094629367  
Contact: Not reported  
Classification: Large Quantity Generator  
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D033	59280.00	D039	59280.00
D040	574056.00		

Violation Status: Violations exist

Regulation Violated: -220(3)  
Area of Violation: GENERATOR-GENERAL REQUIREMENTS  
Date Violation Determined: 04/09/2004  
Actual Date Achieved Compliance: 05/07/2004  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/09/2004  
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS

Date of  
Compliance  
20040507

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM

SHWS:

Facility ID: 1246  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**PRI NORTHWEST INC (Continued)**

**1000118517**

Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Confirmed above MTCA cleanup levels  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 36" / 122° 24' 13"

Facility ID: 1246  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Confirmed above MTCA cleanup levels  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 36" / 122° 24' 13"

Facility ID: 1246  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

PRI NORTHWEST INC (Continued)

1000118517

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Not reported

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels

Reactive Wastes: Not reported

Corrosive Wastes: Confirmed above MTCA cleanup levels

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 36" / 122° 24' 13"

61  
NNE  
1/2-1  
4538 ft.

Relative:  
Higher

Actual:  
6 ft.

PIONEER AMERICAS LLC  
605 ALEXANDER AVE  
TACOMA, WA 98421

CERCLIS 1000248127  
RCRA-SQG 98421CCDNT60  
CSCSL  
FINDS  
SPILLS  
TRIS  
CORRACTS  
EMI  
US ENG CONTROLS  
US INST CONTROL

CERCLIS Classification Data:

Federal Facility: Not a Federal Facility

Non NPL Status: Not reported

NPL Status: Site is Part of NPL Site

CERCLIS Assessment History:

Assessment: DISCOVERY

Completed: 07/01/1979

Assessment: PRELIMINARY ASSESSMENT

Completed: 11/01/1979

Assessment: PRELIMINARY ASSESSMENT

Completed: 09/02/1988

Assessment: RCRA SB/RTC

Completed: 07/15/1992

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

HOOKEER CHEMICAL

1972 LIME PONDS - PLANT SITE

WATER FRONT BANK FILL

1950 LIME PONDS - PLANT SITE

HOOKEER CHEMICALS & PLASTICS CORP.

FLETCHER OIL

CORRACTS Data:

EPA Id: WAD009242314

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Region: 10  
Area Name: FACILITY  
Actual Date: 02/01/2005  
Corrective Action: CA100 - RFI Imposition  
2002 NAICS Title: Alkalies and Chlorine Manufacturing  
Alkalies and Chlorine Manufacturing  
All Other Basic Inorganic Chemical Manufacturing  
Nitrogenous Fertilizer Manufacturing

EPA Id: WAD009242314  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/01/2005  
Corrective Action: CA150 - RFI Workplan Approved  
2002 NAICS Title: Alkalies and Chlorine Manufacturing  
Alkalies and Chlorine Manufacturing  
All Other Basic Inorganic Chemical Manufacturing  
Nitrogenous Fertilizer Manufacturing

EPA Id: WAD009242314  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/01/2005  
Corrective Action: CA300 - CMS Workplan Approved  
2002 NAICS Title: Alkalies and Chlorine Manufacturing  
Alkalies and Chlorine Manufacturing  
All Other Basic Inorganic Chemical Manufacturing  
Nitrogenous Fertilizer Manufacturing

EPA Id: WAD009242314  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/26/1988  
Corrective Action: CA050 - RFA Completed  
2002 NAICS Title: Alkalies and Chlorine Manufacturing  
Alkalies and Chlorine Manufacturing  
All Other Basic Inorganic Chemical Manufacturing  
Nitrogenous Fertilizer Manufacturing

EPA Id: WAD009242314  
Region: 10  
Area Name: FACILITY  
Actual Date: 03/01/2005  
Corrective Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control  
2002 NAICS Title: Alkalies and Chlorine Manufacturing  
Alkalies and Chlorine Manufacturing  
All Other Basic Inorganic Chemical Manufacturing  
Nitrogenous Fertilizer Manufacturing

[Click this hyperlink](#) while viewing on your computer to access  
58 additional CORRACTS record(s) in the EDR Site Report.

US Engineering Control Sites:

EPA ID: WAD009242314  
Site ID: Not reported  
EPA Region: 10  
County: PIERCE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Event Code : CA770GW  
Actual Date: 10/31/96  
Action ID: Not reported  
Action Name: Not reported  
Action Completion date: Not reported  
Planned Completion date: Not reported  
Operable Unit: Not reported  
Contaminated Media: Not reported  
Contam. Media num.: Not reported  
Engineering Control: Not reported

US INST CONTROL:

EPA ID : WAD009242314  
Name : PIONEER AMERICAS LLC  
Address : 605 ALEXANDER AVE  
TACOMA 98421  
County : PIERCE  
Region : 10  
Event Code : Not reported  
Actual Dt : 23-MAY-03  
EPA ID : WAD009242314  
Name : PIONEER AMERICAS LLC  
Address : 605 ALEXANDER AVE  
TACOMA 98421  
County : PIERCE  
Region : 10  
Event Code : Not reported  
Actual Dt : 23-MAY-03

RCRAInfo Corrective Action Summary:

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 09/16/2005  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 09/16/2005  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 03/01/2005  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 03/01/2005  
Event: RFI Imposition  
Event Date: 02/01/2005

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Event: RFI Workplan Approved  
Event Date: 02/01/2005  
Event: CMS Workplan Approved  
Event Date: 02/01/2005  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 07/30/2004  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 07/30/2004  
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.  
Event Date: 07/30/2004  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 08/14/2003  
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 08/14/2003  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 08/13/2003  
Event: CA772PR  
Event Date: 05/23/2003  
Event: Current Human Exposures under Control, More information is needed to make a determination.  
Event Date: 06/28/2002  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 06/28/2002  
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.  
Event Date: 06/28/2002

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 06/28/2002

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 08/17/2001

Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 08/17/2001

Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 08/17/2001

Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.  
Event Date: 08/17/2001

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 08/17/2001

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 08/17/2001

Event: Current Human Exposures under Control, More information is needed to make a determination.  
Event Date: 07/26/2001

Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 07/26/2001

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 06/30/2000

Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 06/30/2000

Event: CMI Workplan Approved  
Event Date: 10/29/1998

Event: CA772PR  
Event Date: 04/23/1997

Event: CA770GW  
Event Date: 10/31/1996



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 07/29/1992

Event: Corrective Measures Design Approved

Event Date: 07/15/1992

Event: CMI Workplan Approved

Event Date: 07/15/1992

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event Date: 10/03/1991

Event: RFI Approved

Event Date: 07/10/1989

Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event Date: 10/13/1988

Event: RFI Workplan Approved

Event Date: 10/13/1988

Event: RFI Imposition

Event Date: 10/13/1988

Event: Date For Remedy Selection (CM Imposed)

Event Date: 10/13/1988

Event: RFA Completed

Event Date: 02/26/1988

Event: CMS Approved

Event Date: 05/30/1987

RCRAInfo:

Owner: PIONEER AMERICAS LLC  
(253)383-2661

EPA ID: WAD009242314

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: -170(3)

Area of Violation: GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined: 06/06/2005

Actual Date Achieved Compliance: 06/17/2005

Enforcement Action: WRITTEN INFORMAL

Enforcement Action Date: 08/02/2005

Penalty Type: Not reported

Regulation Violated: -802(5)(a)(iii)(D)

Area of Violation: GENERATOR-GENERAL REQUIREMENTS

Date Violation Determined: 06/06/2005

Actual Date Achieved Compliance: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/02/2005
Penalty Type:	Not reported
Regulation Violated:	-180 (1)
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	05/06/1991
Actual Date Achieved Compliance:	06/30/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/27/1985
Penalty Type:	Not reported
Regulation Violated:	-630 (7)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/06/1991
Actual Date Achieved Compliance:	06/30/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/27/1985
Penalty Type:	Not reported
Regulation Violated:	-630 (3)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/06/1991
Actual Date Achieved Compliance:	06/30/1991
Enforcement Action:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Action Date:	01/02/1986
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/08/1987
Penalty Type:	Not reported
Regulation Violated:	40 CFR 268.7(a)(1)
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	05/06/1991
Actual Date Achieved Compliance:	06/30/1991
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/17/1988
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/27/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1985
Actual Date Achieved Compliance:	06/08/1987
Enforcement Action:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Action Date:	01/02/1986
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/12/1985
Actual Date Achieved Compliance:	06/08/1987
Regulation Violated:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS  
Date Violation Determined: 11/04/1985  
Actual Date Achieved Compliance: 06/08/1987  
  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 01/02/1986  
Penalty Type: Not reported  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 06/08/1987  
Penalty Type: Not reported  
  
Regulation Violated: Not reported  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/26/1984  
Actual Date Achieved Compliance: 07/04/1994  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 07/11/1984  
Penalty Type: Not reported

There are 11 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20050617
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	
	TSD-MANIFEST REQUIREMENTS	19910630
	TSD-GENERAL STANDARDS	19910630
	TSD-GENERAL STANDARDS	19910630
	TSD-LAND BAN REQUIREMENTS	19910630
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Non-Financial Record Review	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870608
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870608
Non-Financial Record Review	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19870608
Compliance Evaluation Inspection	TSD-MANIFEST REQUIREMENTS	19910630
	TSD-GENERAL STANDARDS	19910630
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704

NY MANIFEST

[Click this hyperlink](#) while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
NATIONAL COMPLIANCE DATABASE SYSTEM  
NATIONAL EMISSIONS INVENTORY  
PERMIT COMPLIANCE SYSTEM  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 1212  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Suspected to be present

EPA Priority Pollutants - Metals and Cyanide:

Not reported

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Not reported

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Suspected to be present

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Method Code :

29

Lat/Long : 47° 16' 45" / 122° 24' 25"

Facility ID: 1212

MTBE Code: Not reported

Prog plan code : 2

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Not reported

EPA Priority Pollutants - Metals and Cyanide:

Not reported

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Not reported

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29

Lat/Long : 47° 16' 45" / 122° 24' 25"

Facility ID: 1212

MTBE Code: Not reported

Prog plan code : 2

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide: Not reported

Metals - Other non-priority pollutant metals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Not reported

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Suspected to be present

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 45" / 122° 24' 25"

Facility ID: 1212

MTBE Code: Not reported

Prog plan code : 2

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

PIONEER AMERICAS LLC (Continued)

1000248127

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Confirmed above MTCA cleanup levels  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29

Lat/Long : 47° 16' 45" / 122° 24' 25"

WA SPILL:

Facility ID: 429710  
Material Desc : UNKNOWN  
Medium: AIR  
Material Qty: Not reported  
Material Units: Not reported  
Date Received: 06/26/98

WA AIR EMISSIONS:

Facility ID: 0002  
SO2 Chemical: 0.7430  
VOC Chemical: 0.9945  
PM10 Chemical: 0.9935  
Mailing Name: Not reported  
Not reported  
Not reported  
Year Of Info: Not reported  
Mail Add Zip 2: Not reported  
Point Num: Not reported  
Tot Suspended Particulate Tons/Yr: Not reported  
Ecolgy Facility ID :Not reported  
Fed County Code Not reported  
Process ID : Not reported  
Univsl Business ID:Not reported  
Contact Name :  
Contact Phone : Not reported  
Contact E-mail : Not reported  
Plant SIC Code : Not reported  
Plant Lat/Long : Not reported  
Point Comments : Not reported  
Boilers Design Capacity At A Point : Not reported  
SIC Code For A Point Process: Not reported  
Plant Lat/Long : Not reported

Local ID: C  
NO2 Chemical: 146.9565  
CO Chemical: 6.8170  
Year Of Info: Not reported

Point Desc: Not reported

Local Air Agency ID:Not reported  
Source Number : Not reported  
Plant Name : Not reported

Contact Fax : Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

% Of Ops Occuring During Qtr Dec-Feb :	Not reported
% Of Ops Occuring During Qtr Mar-May :	Not reported
% Of Ops Occuring During Qtr Jun-Aug :	Not reported
% Of Ops Occuring During Qtr Sep-Nov :	Not reported
# Of Hours Facility Operates Each Day :	Not reported
# Of Days Facility Operates Each Week :	Not reported
# Of Weeks Facility Operates Each Year :	Not reported
Exit Temp Of A Stack Or Vent :	Not reported
% Wtr In Stack / Vent Exhaust :	Not reported
Height Of Stack :	Not reported
Diameter Of Stack :	Not reported
Air Flow From A Vent Or Stack :	Not reported
% Oxygen In Stack / Vent Exhaust :	Not reported
Vertical Dist Exhaust Travels From Stack/vent Outlet :	Not reported
Source Classifcn Code For Each Process In A Facility :	Not reported
EPA Code For Throughput Unit Of Measure :	Not reported
EPA Mat Code For Throughput At Each Process :	Not reported
EPA Code For Mat Throput Fate Desc/input/output/existing :	Not reported
Description Of Material :	Not reported
Annual Qty Of Throughput Mat :	Not reported
Maximum Rate/amount Of Annual Throughput :	Not reported
Percent Of Sulfur In Fuels :	Not reported
Percent Of Ash In Fuels :	Not reported
SCC Process Description :	Not reported
Emission Unit Output Threshold :	Not reported
Facility's Throughput Data Confidential :	Not reported
Tot Suspended Partclt Emissn Tons/Year :	Not reported
Tot Suspended Partclte Emissions Estmn Code :	Not reported
Pri Particulate Matter Cntrl Tech Code At Point/Segment :	Not reported
Sec Particulate Matter Cntrl Tech Code At Point/segment :	Not reported
% Control Of Particulate Matter Emissions :	Not reported
Particulate Matter Emission (?10microns) Tons/Year :	Not reported
Partclte Matter Emission (?10microns) Est Code :	Not reported
Pri Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	Not reported
Sec Prtclte Matter (?10microns) Cntrl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Prtclte Matter (? 10microns) Emisns :	Not reported
Prtclte Matter (?2.5microns)emisins In Tons/Yr :	Not reported
Prtclte Matter Emisn (?2.5microns) Est Code :	Not reported
Pri Ptcuate Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
Sec Prtclte Matter (?2.5microns) Ctl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Particulate Matter (?2.5microns) Emissions :	Not reported
Sulfur Dioxide Emissions Tons/Year :	Not reported
Sulfur Dioxide Emission Estimation Code :	Not reported
Pri Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Secondary Sulfur Dioxide Cntrl Tech Code At Pt/Seg :	Not reported
Percent Control Of Sulfur Dioxide Emissions :	Not reported
Nitrous Oxides Emissions In Tons/Yr :	Not reported
Nitrous Oxides Emission Estimation Code :	Not reported
Pri Nitrous Oxides Cntrl Tech Code At Point/Segment :	Not reported
Sec Nitrous Oxide Control Tech Code At Point Segment :	Not reported
Percent Control Of Nitrous Oxides Emissions :	Not reported
Desc Of Volatile Organic Compound Emitted :	Not reported
Volatile Organic Compound Emissions In Tons/Year :	Not reported
Voltl Organic Compound Emissions Est Code :	Not reported
Pri Voltl Organic Compound Cntrl Tech Code At Pt/seg :	Not reported
Sec Voltle Organic Compound Cntrl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Volatile Organic Compound Emissions :	Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation     Site

MAP FINDINGS

Database(s)     EDR ID Number  
EPA ID Number

PIONEER AMERICAS LLC (Continued)

1000248127

Carbon Monoxide Emissions In Tons/Year :	Not reported
Carbon Monoxide Emission Est Code :	Not reported
Pri Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported
Sec Carbon Monoxide Cntrl Tech Code At Pt/Seg :	Not reported
% Cntrl Of Carbon Monoxide Emissions :	Not reported
Lead Emissions In Tons/Year :	Not reported
Lead Emission Estimation Code :	Not reported
PM10 Nonattainment Area :	Not reported
Ozone Nonattainment Area :	Not reported
CO Nonattainment Area :	Not reported
UTM East :	Not reported
UTM North :	Not reported
UTM Zone :	Not reported
Plant Lat/Long :	Not reported
Point Lat/Long :	Not reported
Facility type :	Not reported
Plant NAICS :	Not reported
Point NAICS :	Not reported
P NH3 Control :	Not reported

62  
ESE  
1/2-1  
4556 ft.

LILYBLAD PETROLEUM INCORPORATED  
2244 PORT OF TACOMA RD  
TACOMA, WA 98421

CERCLIS 1000441153  
RCRA-SQG WAD027543032

Relative:  
Higher

FINDS  
HAZNET  
CORRACTS  
US ENG CONTROLS  
US INST CONTROL  
WA CSCSL

Actual:  
10 ft.

CERCLIS Classification Data:

Federal Facility:	Not a Federal Facility
Non NPL Status:	Not reported
NPL Status:	Site is Part of NPL Site

CERCLIS Assessment History:

Assessment:	DISCOVERY
Assessment:	PRELIMINARY ASSESSMENT
Assessment:	SITE INSPECTION

Completed:	07/01/1979
Completed:	08/20/1985
Completed:	12/08/1988

CERCLIS Site Status:

Addressed as part of an existing NPL site

CERCLIS Alias Name(s):

SOL-PRO

CORRACTS Data:

EPA Id:	WAD027543032
Region:	10
Area Name:	ENTIRE FACILITY
Actual Date:	01/24/2003
Corrective Action:	CA300 - CMS Workplan Approved
2002 NAICS Title:	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
	42193
	42272
	All Other Business Support Services

EPA Id:	WAD027543032
Region:	10
Area Name:	ENTIRE FACILITY
Actual Date:	02/11/2004

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Corrective Action: CA150 - RFI Workplan Approved  
2002 NAICS Title: Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)  
42193  
42272  
All Other Business Support Services

EPA Id: WAD027543032  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 02/28/2001  
Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations  
2002 NAICS Title: Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)  
42193  
42272  
All Other Business Support Services

EPA Id: WAD027543032  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 02/28/2001  
Corrective Action: CA300 - CMS Workplan Approved  
2002 NAICS Title: Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)  
42193  
42272  
All Other Business Support Services

EPA Id: WAD027543032  
Region: 10  
Area Name: ENTIRE FACILITY  
Actual Date: 02/28/2001  
Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations  
2002 NAICS Title: Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)  
42193  
42272  
All Other Business Support Services

[Click this hyperlink](#) while viewing on your computer to access  
24 additional CORRACTS record(s) in the EDR Site Report.

US Engineering Control Sites:

EPA ID: WAD027543032  
Site ID: Not reported  
EPA Region: 10  
County: PIERCE  
Event Code : CA770GW  
Actual Date: 08/31/03  
Action ID: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Action Name: Not reported  
Action Completion date: Not reported  
Planned Completion date: Not reported  
Operable Unit: Not reported  
Contaminated Media: Not reported  
Contam. Media num.: Not reported  
Engineering Control: Not reported

US INST CONTROL:

EPA ID : WAD027543032  
Name : PACIFIC FUNCTIONAL FLUIDS LLC  
Address : 2244 PORT OF TACOMA RD  
TACOMA 98421  
County : PIERCE  
Region : 10  
Event Code : Not reported  
Actual Dt : 31-DEC-96

EPA ID : WAD027543032  
Name : PACIFIC FUNCTIONAL FLUIDS LLC  
Address : 2244 PORT OF TACOMA RD  
TACOMA 98421  
County : PIERCE  
Region : 10  
Event Code : Not reported  
Actual Dt : 31-DEC-96

RCRAInfo Corrective Action Summary:

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 09/30/2005  
Event: Current Human Exposures under Control, More information is needed to make a determination.  
Event Date: 08/29/2005  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 06/20/2004  
Event: RFI Workplan Approved  
Event Date: 02/11/2004  
Event: CA770GW  
Event Date: 08/31/2003  
Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 08/13/2003  
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Event Date: 08/13/2003

Event: CMS Workplan Approved  
Event Date: 05/02/2003

Event: CMS Workplan Approved  
Event Date: 05/01/2003

Event: CMS Workplan Approved  
Event Date: 01/24/2003

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 09/17/2001

Event: Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.  
Event Date: 09/17/2001

Event: Stabilization Construction Completed  
Event Date: 09/07/2001

Event: CA770GW  
Event Date: 09/07/2001

Event: CA770GW  
Event Date: 09/07/2001

Event: CA770GW  
Event Date: 09/07/2001

Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 02/28/2001

Event: CMS Workplan Approved  
Event Date: 02/28/2001

Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 02/28/2001

Event: Current Human Exposures under Control, Current human exposures are NOT under control.  
Event Date: 05/25/2000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Event: Igration of Contaminated Groundwater under Control, Unacceptable migration  
of contaminated groundwater is observed or expected.  
Event Date: 05/25/2000  
Event: CA772ID  
Event Date: 12/31/1996  
Event: RFI Workplan Approved  
Event Date: 12/13/1996  
Event: RFI Imposition  
Event Date: 10/30/1995  
Event: CA Prioritization, Facility or area was assigned a high corrective action  
priority.  
Event Date: 07/17/1992  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization  
activity based on the status of corrective action work at the facility,  
technical factors, the degree of risk, timing considerations and  
administrative considerations.  
Event Date: 07/17/1992  
Event: RFA Determination Of Need For An RFI, RFI is Necessary;  
Event Date: 07/01/1992  
Event: RFI Imposition  
Event Date: 07/01/1992  
Event: CA Prioritization, Facility or area was assigned a high corrective action  
priority.  
Event Date: 10/01/1991

RCRAInfo:

Owner: PACIFIC FUNCTIONAL FLUIDS LLC  
253-284-4302  
EPA ID: WAD027543032  
Contact: Not reported

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	WAC 173-303-240(6)
Area of Violation:	TRANSPORTER-OTHER REQUIREMENTS
Date Violation Determined:	11/01/2000
Actual Date Achieved Compliance:	03/21/2002
Regulation Violated:	WAC 173-303-240(6)(a)
Area of Violation:	TRANSPORTER-OTHER REQUIREMENTS
Date Violation Determined:	11/01/2000
Actual Date Achieved Compliance:	03/21/2002
Regulation Violated:	WAC 173-303-950(2)
Area of Violation:	TRANSPORTER-OTHER REQUIREMENTS
Date Violation Determined:	11/01/2000
Actual Date Achieved Compliance:	03/21/2002
Regulation Violated:	WAC 173-160-510
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	02/09/1998
Actual Date Achieved Compliance:	08/03/1998

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/09/1998
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-400
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	03/12/1996
Actual Date Achieved Compliance:	04/11/1996
Regulation Violated:	WAC 173-303-330
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/15/1995
Actual Date Achieved Compliance:	06/30/1995
Regulation Violated:	WAC 173-303-141
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	02/28/1995
Actual Date Achieved Compliance:	06/30/1995
Regulation Violated:	-200(1)(B)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/09/1994
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/09/1994
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/11/1990
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/11/1990
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/11/1990
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/11/1990
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	11/22/1988
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/22/1988
Actual Date Achieved Compliance:	07/04/1994
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/17/1988
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Enforcement Action Date:	10/29/1989
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/19/1987
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/30/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	03/22/1985
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	03/22/1985
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/22/1985
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/06/1983
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	10/21/1983
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	10/21/1983
Actual Date Achieved Compliance:	07/04/1994
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	10/21/1983
Penalty Type:	Proposed Monetary Penalty

There are 21 violation record(s) reported at this site:

Evaluation	Area of Violation
Other Evaluation	TRANSPORTER-OTHER REQUIREMENTS
	TRANSPORTER-OTHER REQUIREMENTS
	TRANSPORTER-OTHER REQUIREMENTS

Date of Compliance
20020321
20020321
20020321



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Operation and Maintenance Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19980803
Compliance Evaluation Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19960411
Other Evaluation	GENERATOR-GENERAL REQUIREMENTS	19950630
	GENERATOR-GENERAL REQUIREMENTS	19950630
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19940704
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Non-Financial Record Review	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19940704
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Other Evaluation	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19940704
	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19940704
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704

FINDS:

Other Pertinent Environmental Activity Identified at Site:

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
NATIONAL COMPLIANCE DATABASE SYSTEM  
PERMIT COMPLIANCE SYSTEM  
RACT/BACT/LAER CLEARINGHOUSE  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

HAZNET:

Gepaid: WAD027543032  
TSD EPA ID: Not reported  
Gen County: Not reported  
Tsd County: San Mateo  
Tons: 0.22  
Facility Address 2: Not reported  
Waste Category: Unspecified oil-containing waste  
Disposal Method: Recycler  
Contact: DENNIS MONTGOMERY  
Telephone: (253) 572-4402  
Mailing Name: Not reported  
Mailing Address: PO BOX 1556  
TACOMA, WA 98401 - 1556  
County: Not reported

SHWS:

Facility ID: 1239  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Ground Water  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Confirmed above MTCA cleanup levels  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 33" / 122° 23' 32"

Facility ID: 1239  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

LILYBLAD PETROLEUM INCORPORATED (Continued)

1000441153

Method Code : 29  
Lat/Long : 47° 15' 33" / 122° 23' 32"

63  
ENE  
1/2-1  
4684 ft.

BURLINGTON ENVIRONMENTAL INC TACOMA  
1701 E ALEXANDER AVE  
TACOMA, WA 98421

CSCSL 1000299436  
FINDS WAD020257945

RCRA-LQG  
RCRA-TSDF  
CORRACTS  
CERC-NFRAP  
US ENG CONTROLS

Relative:  
Higher

Actual:  
9 ft.

CERCLIS-NFRAP Classification Data:

Federal Facility: Not a Federal Facility  
Non NPL Code: NFRAP  
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	11/01/1979
Assessment:	PRELIMINARY ASSESSMENT	Completed:	08/01/1980
Assessment:	PRELIMINARY ASSESSMENT	Completed:	06/06/1988
Assessment:	ARCHIVE SITE	Completed:	06/06/1988

CERCLIS-NFRAP Alias Name(s):

CHEMPRO TACOMA  
CHEMICAL PROCESSORS INC - ALEXANDER AVE

CORRACTS Data:

EPA Id: WAD020257945  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/20/1990  
Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary  
2002 NAICS Title: Hazardous Waste Treatment and Disposal

EPA Id: WAD020257945  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/20/1990  
Corrective Action: CA050 - RFA Completed  
2002 NAICS Title: Hazardous Waste Treatment and Disposal

EPA Id: WAD020257945  
Region: 10  
Area Name: FACILITY  
Actual Date: 02/24/1992  
Corrective Action: CA100 - RFI Imposition  
2002 NAICS Title: Hazardous Waste Treatment and Disposal

EPA Id: WAD020257945  
Region: 10  
Area Name: FACILITY  
Actual Date: 03/29/1994  
Corrective Action: CA225YE - Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations  
2002 NAICS Title: Hazardous Waste Treatment and Disposal

EPA Id: WAD020257945  
Region: 10

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Area Name: FACILITY  
Actual Date: 04/29/2005  
Corrective Action: CA200 - RFI Approved  
2002 NAICS Title: Hazardous Waste Treatment and Disposal

[Click this hyperlink](#) while viewing on your computer to access  
15 additional CORRACTS record(s) in the EDR Site Report.

**US Engineering Control Sites:**

EPA ID: WAD020257945  
Site ID: Not reported  
EPA Region: 10  
County: PIERCE  
Event Code : CA770GW  
Actual Date: 11/30/00  
  
Action ID: Not reported  
Action Name: Not reported  
Action Completion date: Not reported  
Planned Completion date: Not reported  
Operable Unit: Not reported  
Contaminated Media: Not reported  
Contam. Media num.: Not reported  
Engineering Control: Not reported

**RCRAInfo Corrective Action Summary:**

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 09/16/2005  
  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 08/24/2005  
  
Event: RFI Approved  
Event Date: 04/29/2005  
  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 07/02/2004  
  
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 08/13/2003  
  
Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.  
Event Date: 08/13/2003

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Event: CA770GW  
Event Date: 11/30/2000  
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.  
Event Date: 06/29/2000  
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.  
Event Date: 06/29/2000  
Event: CA770GW  
Event Date: 07/07/1999  
Event: Current Human Exposures under Control, More information is needed to make a determination.  
Event Date: 08/20/1997  
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.  
Event Date: 08/20/1997  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 07/17/1995  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 03/29/1994  
Event: RFI Workplan Approved  
Event Date: 07/30/1993  
Event: Stabilization Measures Evaluation, This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.  
Event Date: 10/07/1992  
Event: RFI Imposition  
Event Date: 02/24/1992  
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.  
Event Date: 10/08/1991  
Event: RFA Completed  
Event Date: 02/20/1990

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Event: RFA Determination Of Need For An RFI, RFI is Necessary;  
Event Date: 02/20/1990

RCRAInfo:

Owner: BURLINGTON ENVIRONMENTAL INC  
(425)227-0311

EPA ID: WAD020257945

Contact: Not reported

Classification: Large Quantity Generator, TSDF  
TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	8711188.88	D002	771482.31
D003	136474.70	D004	18448557.43
D005	18528897.51	D006	18530274.99
D007	18615342.41	D008	18128851.34
D009	8617253.41	D010	1151131.40
D011	36696.00	D018	557.40
D028	24429.00	D035	974.40
D037	4170.00	F001	10758.78
F002	12893.98	F003	60955.38
F004	10000.00	F005	14991.98
F006	497112.04	F007	486637.00
F008	486220.00	F009	537244.10
F019	486220.00	F032	4170.00
F035	486220.00	U012	391.98
U031	391.98	U037	76728.00
U122	3156.70	U131	76728.00
U211	417.00		

Violation Status: Violations exist

Regulation Violated:	II.B.2
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/11/2005
Actual Date Achieved Compliance:	05/25/2005

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/01/2005
Penalty Type:	Not reported

Regulation Violated:	III.D.1
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	05/11/2005
Actual Date Achieved Compliance:	05/18/2005

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/01/2005
Penalty Type:	Not reported

Regulation Violated:	II.A.4
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/11/2005
Actual Date Achieved Compliance:	Not reported

Regulation Violated:	II A.6.
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/11/2005

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Actual Date Achieved Compliance:	Not reported
Regulation Violated:	II.A.4, Attach. CC, 2.4 2)d)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/11/2005
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	II.A.4. Attach. CC. 2.2.1 3
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/11/2005
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	PC III.D.1 & III.D.2
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/09/2004
Actual Date Achieved Compliance:	07/22/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/20/2004
Penalty Type:	Not reported
Regulation Violated:	PC II.A.7 & II.A.8
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/09/2004
Actual Date Achieved Compliance:	07/22/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/20/2004
Penalty Type:	Not reported
Regulation Violated:	Att II, Sect D1.2.3.
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/09/2004
Actual Date Achieved Compliance:	07/22/2004
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/20/2004
Penalty Type:	Not reported
Regulation Violated:	III.B.1.b.3)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	08/25/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003
Penalty Type:	Not reported
Regulation Violated:	Att. II, Section D1.2.2
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	08/21/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003
Penalty Type:	Not reported
Regulation Violated:	IV.A.5.a
Area of Violation:	TRANSPORTER-GENERAL REQUIREMENTS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	07/18/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Penalty Type:	Not reported
Regulation Violated:	Attachment JJ
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	07/21/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003
Penalty Type:	Not reported
Regulation Violated:	Attachment LL
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	07/18/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003
Penalty Type:	Not reported
Regulation Violated:	III.D.3
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/21/2003
Actual Date Achieved Compliance:	07/18/2003
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/2003
Penalty Type:	Not reported
Regulation Violated:	III.B.8 & WAC 173-303-395(4)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	02/06/2002
Actual Date Achieved Compliance:	03/20/2002
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	IV.C.3
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	02/06/2002
Actual Date Achieved Compliance:	07/17/2002
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	Att. EE, Sect. F.2.3, Pg F7
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	02/06/2002
Actual Date Achieved Compliance:	03/20/2002
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	IIA.6, IIA.4, att. CC
Area of Violation:	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS
Date Violation Determined:	11/09/2001
Actual Date Achieved Compliance:	12/21/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/09/2001
Penalty Type:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Regulation Violated:	I.E.5, II.B.1, II.A.7...
Area of Violation:	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS
Date Violation Determined:	11/09/2001
Actual Date Achieved Compliance:	12/21/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/09/2001
Penalty Type:	Not reported
Regulation Violated:	I.E.6, I.E.7, II.A.8, II.C.3
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	11/09/2001
Actual Date Achieved Compliance:	12/21/2001
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	11/09/2001
Penalty Type:	Not reported
Regulation Violated:	Pg F1 of att. EE
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	09/06/2001
Regulation Violated:	III.E.3
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-070
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	EE.Sec F, pg 4
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	IV.C
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	06/28/2002
Regulation Violated:	II.A.1.b
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	08/06/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

1000299436

Regulation Violated:	I.E.5 and II.A.4
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	03/05/2001
Actual Date Achieved Compliance:	03/21/2002
Regulation Violated:	Section IV.C & attachment JJ
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	05/08/2002
Regulation Violated:	II.A.1.b & attach. JJ, pg D24
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-070(1) and (2)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	Pg F1 of Attachment EE
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	09/06/2001
Regulation Violated:	III.E.3 & pg. D13 of attch II
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	09/06/2001
Regulation Violated:	Att. EE, sec. F2.1, pg F4
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	02/07/2001
Actual Date Achieved Compliance:	09/06/2001
Enforcement Action:	COMBINATION-INFORMAL
Enforcement Action Date:	02/06/2002
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-400(3)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	07/13/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(4)(A&B)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	07/13/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Regulation Violated:	WAC 173-303-400(3)(A)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	12/16/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-320
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	12/16/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-390(3)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	12/16/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-310(2)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/13/1998
Actual Date Achieved Compliance:	08/30/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-330
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/30/1998
Actual Date Achieved Compliance:	06/30/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-320
Area of Violation:	TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/30/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(1)(B)(i&ii)
Area of Violation:	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	12/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-145

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-390(3)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	01/18/1999
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(4)(A,B)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-310(2)(B)OR(C)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-390(3)
Area of Violation:	TSD-PART B APPLICATION
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	12/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(1)(B)(i,ii)
Area of Violation:	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-360 & -145
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	06/30/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-395(1)(B)
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

1000299436

Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	06/30/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	11/16/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-400(3)(A)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-360(2)(A)(ii)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	11/18/1998
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-400(3)(A)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	05/08/2002
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-330
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/29/1998
Actual Date Achieved Compliance:	01/04/1999
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/29/1998
Penalty Type:	Final Monetary Penalty
Regulation Violated:	WAC 173-303-640(4)(E)(I)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/17/1996
Actual Date Achieved Compliance:	10/15/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/17/1996
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-805(6)(A)(B)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/17/1996
Actual Date Achieved Compliance:	06/01/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/17/1996
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-395(6)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/12/1995

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Actual Date Achieved Compliance:	05/12/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/12/1995
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-805(5)(C)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/12/1995
Actual Date Achieved Compliance:	06/01/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/12/1995
Penalty Type:	Not reported
Regulation Violated:	WAC 173-303-950
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	05/12/1995
Actual Date Achieved Compliance:	05/12/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/12/1995
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	12/21/1992
Actual Date Achieved Compliance:	04/19/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1993
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/29/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	12/21/1992
Actual Date Achieved Compliance:	04/19/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1993
Penalty Type:	Not reported
Regulation Violated:	-303-400(3)(a)
Area of Violation:	TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined:	06/30/1992
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/20/1992
Penalty Type:	Not reported
Regulation Violated:	-200(1)(D)
Area of Violation:	TSD-TANKS REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	06/06/1991
Penalty Type:	Not reported
Regulation Violated:	-630(2)



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Area of Violation:	TSD-CONTAINERS REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	06/06/1991
Penalty Type:	Not reported
Regulation Violated:	WAC 173-160-510
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	WAC 173-160-500
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	WAC 173-160-415(1)
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	RCW 90.48.090
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	WAC 173-160-560(1)
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	-320(2)
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	WAC 173-160-085
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	RCW 70.10B.130(2)(D)
Area of Violation:	TSD-GENERAL STANDARDS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/11/1991
Penalty Type:	Not reported
Regulation Violated:	40CFR 268.80(3)
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	06/06/1991
Actual Date Achieved Compliance:	10/30/1992
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	06/06/1991
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/11/1990
Actual Date Achieved Compliance:	06/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/25/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/11/1990
Actual Date Achieved Compliance:	06/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/25/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	02/14/1989
Actual Date Achieved Compliance:	06/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/13/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/14/1989
Actual Date Achieved Compliance:	06/30/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/13/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	02/14/1989

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

Actual Date Achieved Compliance: 03/06/1989  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/03/1989  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/1989  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS  
Date Violation Determined: 02/14/1989  
Actual Date Achieved Compliance: 03/06/1989  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/03/1989  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/13/1989  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/02/1988  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/18/1993  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 04/16/1987  
Actual Date Achieved Compliance: 07/04/1994  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/18/1993  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 06/29/1987  
Penalty Type: Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	1/16/2002	9000	STATE
Final Monetary Penalty	8/6/2001	66000	STATE
Final Monetary Penalty	11/16/1998	25000	STATE
Final Monetary Penalty	6/29/1998	25000	STATE

There are 82 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20050525
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20050518
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20040722

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

	TSD-GENERAL STANDARDS	20040722
	TSD-GENERAL STANDARDS	20040722
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20030825
	TSD-GENERAL STANDARDS	20030821
	TSD-GENERAL STANDARDS	20030721
	TRANSPORTER-GENERAL REQUIREMENTS	20030718
	TSD-GENERAL STANDARDS	20030718
	TSD-GENERAL STANDARDS	20030718
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20020320
	TSD-GENERAL STANDARDS	20020717
	TSD-GENERAL STANDARDS	20020320
CDI	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS	20011221
	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	20011221
	TSD-GENERAL STANDARDS	20011221
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	20020321
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20020628
	TSD-OTHER REQUIREMENTS	20020508
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-GENERAL STANDARDS	20010906
	TSD-OTHER REQUIREMENTS	20010906
	TSD-OTHER REQUIREMENTS	20010906
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19980630
	GENERATOR-GENERAL REQUIREMENTS	19980630
	GENERATOR-GENERAL REQUIREMENTS	19980713
	GENERATOR-GENERAL REQUIREMENTS	19980713
	GENERATOR-GENERAL REQUIREMENTS	19981216
	GENERATOR-GENERAL REQUIREMENTS	19981216
	GENERATOR-GENERAL REQUIREMENTS	19980630
	GENERATOR-GENERAL REQUIREMENTS	19980830
	GENERATOR-GENERAL REQUIREMENTS	19981216
Compliance Evaluation Inspection	TSD-CONTINGENCY PLAN REQUIREMENTS	19981130
	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS	19981218
	TSD-GENERAL STANDARDS	19990118
	TSD-GENERAL STANDARDS	19981118
	TSD-GENERAL STANDARDS	19981118
	TSD-GENERAL STANDARDS	19990104
	TSD-GENERAL STANDARDS	19981118
	TSD-GENERAL STANDARDS	20020508
	TSD-PART B APPLICATION	19981218
	TSD-GENERAL STANDARDS	19981118
	TSD-CHEMICAL/PHYSICAL/BIOLOGICAL REQUIREMENTS	19981118
Compliance Evaluation Inspection	TSD-GENERAL STANDARDS	19981118
	TSD-GENERAL STANDARDS	19950512
	TSD-GENERAL STANDARDS	19970601
	TSD-GENERAL STANDARDS	19950512
	TSD-GENERAL STANDARDS	19971015
	TSD-GENERAL STANDARDS	19970601
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19930419
	TSD-MANIFEST REQUIREMENTS	19930419
Compliance Evaluation Inspection	TSD-CONTINGENCY PLAN REQUIREMENTS	19921030
Operation and Maintenance Inspection	TSD-TANKS REQUIREMENTS	19921030

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)

1000299436

	TSD-CONTAINERS REQUIREMENTS	19921030
	TSD-LAND BAN REQUIREMENTS	19921030
	TSD-GENERAL STANDARDS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GROUNDWATER MONITORING REQUIREMENTS	19921030
	TSD-GENERAL STANDARDS	19921030
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19920630
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19920630
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19920630
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19920630
	GENERATOR-LAND BAN REQUIREMENTS	19890306
	TSD-LAND BAN REQUIREMENTS	19890306
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940704

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM  
INTEGRATED COMPLIANCE INFORMATION SYSTEM  
NATIONAL COMPLIANCE DATABASE SYSTEM  
NATIONAL EMISSIONS INVENTORY  
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM  
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM  
WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

SHWS:

Facility ID: 1233  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Remedial Action in progress  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Confirmed above MTCA cleanup levels  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**BURLINGTON ENVIRONMENTAL INC TACOMA (Continued)**

**1000299436**

Corrosive Wastes: Confirmed above MTCA cleanup levels  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 8" / 122° 23' 30"

Facility ID: 1233  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Remedial Action in progress

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics:

Not reported

Halogenated Organic Compounds:

Confirmed above MTCA cleanup levels

EPA Priority Pollutants - Metals and Cyanide:

Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant metals:

Not reported

Polychlorinated biPhenyls (PCBs):

Not reported

Pesticides:

Not reported

Petroleum Products:

Confirmed above MTCA cleanup levels

Phenolic Compounds:

Not reported

Non-Halogenated Solvents:

Confirmed above MTCA cleanup levels

Dioxin:

Not reported

Polynuclear Aromatic Hydrocarbons (PAH):

Not reported

Reactive Wastes:

Not reported

Corrosive Wastes:

Confirmed above MTCA cleanup levels

Radioactive Wastes:

Not reported

Asbestos:

Not reported

Conventional Contaminants, Organic:

Not reported

Conventional Contaminants, Inorganic:

Not reported

Method Code :

29

Lat/Long : 47° 16' 8" / 122° 23' 30"

L64  
NNE  
1/2-1  
4802 ft.

US ARMY WSMC PIER 23  
401 ALEXANDER AVE  
TACOMA, WA 98421

CSCSL 1007069036  
FINDS 110015456362  
SPILLS

Relative:  
Higher

Site 1 of 2 in cluster L

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Actual:  
6 ft.

**SHWS:**

Facility ID: 54221181  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US ARMY WSMC PIER 23 (Continued)

1007069036

Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Confirmed above MTCA cleanup levels  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant medals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 1  
Lat/Long : 47° 16' 56" / 122° 24' 39"

Facility ID: 54221181  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Soil  
Arsenic Code: S (Suspected) - Due to preliminary investigations or the nature of business  
operations or manufacturing processes, certain contaminants are suspected to be  
present at the site  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant medals: Below MTCA cleanup levels  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

US ARMY WSMC PIER 23 (Continued)

1007069036

Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 1  
Lat/Long : 47° 16' 56" / 122° 24' 39"

Facility ID: 54221181  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Sediments  
Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Confirmed above MTCA cleanup levels  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed above MTCA cleanup levels  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 1  
Lat/Long : 47° 16' 56" / 122° 24' 39"

WA SPILL:

Facility ID: 547756  
Material Desc : PETROLEUM - HYDRAULIC OIL  
Medium: SURFACE WATER-MARINE  
Material Qty: 1  
Material Units: GALLON  
Date Received: 04/27/05



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**L65** TACOMA PORT EARLEY BUSINESS CENTER  
**NNE** 401 ALEXANDER AVE BUSINESS CENTER  
**1/2-1** TACOMA, WA 98421  
**4802 ft.**

Database(s) EDR ID Number  
EPA ID Number

**CSCSL** **S103398263**  
**N/A**

**Relative:** Site 2 of 2 in cluster L  
**Higher**

**Actual:**  
**6 ft.**

**SHWS:**

Facility ID: 9762715  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Ground Water  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Confirmed above MTCA cleanup levels  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 26" / 122° 23' 56"

Facility ID: 9762715  
MTBE Code: Not reported  
Prog plan code : 2  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Ranked, Awaiting Remedial Action (RA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Soil  
Arsenic Code: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TACOMA PORT EARLEY BUSINESS CENTER (Continued)

S103398263

Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Confirmed above MTCA cleanup levels
Metals - Other non-priority pollutant metals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Confirmed above MTCA cleanup levels
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Confirmed above MTCA cleanup levels
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	29
Lat/Long :	47° 16' 26" / 122° 23' 56"

66  
SSE  
1/2-1  
4878 ft.

PUGET SOUND TRUCK LINES INC TAC  
2114 E MARSHALL AVE  
TACOMA, WA 98421

CSCSL 1007062906  
FINDS 110015394492

Relative:  
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site:

PERMIT COMPLIANCE SYSTEM

WASHINGTON-DEPARTMENT OF ECOLOGY FACILITY/SITE IDENTIFICATION SYSTEM

Actual:  
14 ft.

SHWS:

Facility ID: 92961499

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Awaiting Site Hazard Assessment (SHA)

Independent Site Status - those sites undergoing an independent cleanup:

Not reported

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Ground Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics:	Not reported
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Halogenated Organic Compounds:	Not reported
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EPA Priority Pollutants - Metals and Cyanide:	Not reported
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Metals - Other non-priority pollutant metals:	Not reported
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Polychlorinated biPhenyls (PCBs):	Not reported
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Pesticides:	Not reported
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Petroleum Products:	Suspected to be present
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Phenolic Compounds:	Not reported
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Non-Halogenated Solvents:	Not reported
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Dioxin:	Not reported
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Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
------------------------------------------	--------------

Reactive Wastes:	Not reported
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Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PUGET SOUND TRUCK LINES INC TAC (Continued)

1007062906

Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 13" / 122° 24' 0"

Facility ID: 92961499  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Awaiting Site Hazard Assessment (SHA)  
Independent Site Status - those sites undergoing an independent cleanup:  
Not reported  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Soil  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Not reported  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Confirmed above MTCA cleanup levels  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 15' 13" / 122° 24' 0"

67  
NE  
1/2-1  
5046 ft.

TACOMA PORT PARCEL 4  
3533 E 11TH ST  
TACOMA, WA 98421

CSCSL S102554768  
N/A

Relative:  
Higher

SHWS:

Actual:  
6 ft.

Facility ID: 3831  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TACOMA PORT PARCEL 4 (Continued)

S102554768

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media : Surface Water

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Suspected to be present

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Not reported

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Conventional Contaminants, Organic: Not reported

Conventional Contaminants, Inorganic: Not reported

Method Code : 29

Lat/Long : 47° 16' 34" / 122° 23' 47"

Facility ID: 3831

MTBE Code: Not reported

Prog plan code : Not reported

UXO Code : Not reported

Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Independent Site Assessment of Interim Remedial Action Report received

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has been confirmed by laboratory analysis (or field determination in the case of petroleum contamination)

Affected Media : Soil

Arsenic Code: Not reported

Base/Neutral/Acid Organics: Not reported

Halogenated Organic Compounds: Not reported

EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels

Metals - Other non-priority pollutant medals: Not reported

Polychlorinated biPhenyls (PCBs): Not reported

Pesticides: Not reported

Petroleum Products: Not reported

Phenolic Compounds: Not reported

Non-Halogenated Solvents: Not reported

Dioxin: Not reported

Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Reactive Wastes: Not reported

Corrosive Wastes: Not reported

Radioactive Wastes: Not reported

Asbestos: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TACOMA PORT PARCEL 4 (Continued)

S102554768

Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 34" / 122° 23' 47"

Facility ID: 3831  
MTBE Code: Not reported  
Prog plan code : Not reported  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Independent Site Assessment of Interim Remedial Action Report received  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: C (Confirmed) - The presence of hazardous substances above MTCA cleanup levels has  
been confirmed by laboratory analysis (or field determination in the case of  
petroleum contamination)  
Affected Media : Sediments  
Arsenic Code: Not reported  
Base/Neutral/Acid Organics: Not reported  
Halogenated Organic Compounds: Not reported  
EPA Priority Pollutants - Metals and Cyanide: Confirmed above MTCA cleanup levels  
Metals - Other non-priority pollutant metals: Not reported  
Polychlorinated biPhenyls (PCBs): Not reported  
Pesticides: Not reported  
Petroleum Products: Not reported  
Phenolic Compounds: Not reported  
Non-Halogenated Solvents: Not reported  
Dioxin: Not reported  
Polynuclear Aromatic Hydrocarbons (PAH): Not reported  
Reactive Wastes: Not reported  
Corrosive Wastes: Not reported  
Radioactive Wastes: Not reported  
Asbestos: Not reported  
Conventional Contaminants, Organic: Not reported  
Conventional Contaminants, Inorganic: Not reported  
Method Code : 29  
Lat/Long : 47° 16' 34" / 122° 23' 47"

68  
SW  
1/2-1  
5117 ft.

WA BELT CO  
672 E 11TH ST  
TACOMA, WA 98421

CSCSL S105831672  
N/A

Relative:  
Higher

Actual:  
6 ft.

SHWS:  
Facility ID: 2442590  
MTBE Code: Not reported  
Prog plan code : 4  
UXO Code : Not reported  
Lat/Long : 47 / 122  
Responsible Unit: Southwest Region  
Ecology Site Status relative to the MTCA cleanup process:  
Independent Remedial Action  
Independent Site Status - those sites undergoing an independent cleanup:  
Release report received, awaiting assessment by Potentially Liable Person (PLP)  
WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):  
Affected Media Status: S (Suspected) - Due to preliminary investigations or the nature of business

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

WA BELT CO (Continued)

S105831672

operations or manufacturing processes, certain contaminants are suspected to be present at the site

Affected Media :	Ground Water
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Suspected to be present
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported
Method Code :	2
Lat/Long :	47° 15' 21" / 122° 25' 32"

Facility ID: 2442590  
MTBE Code: Not reported  
Prog plan code : 4  
UXO Code : Not reported  
Lat/Long : 47 / 122

Responsible Unit: Southwest Region

Ecology Site Status relative to the MTCA cleanup process:

Independent Remedial Action

Independent Site Status - those sites undergoing an independent cleanup:

Release report received, awaiting assessment by Potentially Liable Person (PLP)

WARM Bin Number indicates the outcome of the Washington Ranking Model (WARM):

Affected Media Status: R (Remediated) - Contaminants have been treated, removed, or contained to meet cleanup levels established for the site. (This status determination may only be made by Ecology)

Affected Media :	Soil
Arsenic Code:	Not reported
Base/Neutral/Acid Organics:	Not reported
Halogenated Organic Compounds:	Not reported
EPA Priority Pollutants - Metals and Cyanide:	Not reported
Metals - Other non-priority pollutant medals:	Not reported
Polychlorinated biPhenyls (PCBs):	Not reported
Pesticides:	Not reported
Petroleum Products:	Confirmed above MTCA cleanup levels
Phenolic Compounds:	Not reported
Non-Halogenated Solvents:	Not reported
Dioxin:	Not reported
Polynuclear Aromatic Hydrocarbons (PAH):	Not reported
Reactive Wastes:	Not reported
Corrosive Wastes:	Not reported
Radioactive Wastes:	Not reported
Asbestos:	Not reported
Conventional Contaminants, Organic:	Not reported
Conventional Contaminants, Inorganic:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

WA BELT CO (Continued)

EDR ID Number  
EPA ID Number

Method Code : 2  
Lat/Long : 47° 15' 21" / 122° 25' 32"

S105831672

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TACOMA	1000395893	RECOVERY 1	1630 E 18TH ST	98421	RCRA-SQG, FINDS, SWF/LF
TACOMA	1007216870	EAST 11TH ST PROPERTIES	2324 2328 2332 E 11TH ST	98421	FINDS, VCP
TACOMA	S106127385	EAST 11TH ST PROPERTIES	2324 2328 2332 E 11TH ST	98421	CSCSL NFA
TACOMA	1007265577	PIERCE COUNTY TERMINAL PORT OF TACOMA	SR 509 PORT OF TACOMA RD & ALE	98421	RCRA-LQG
TACOMA	1000337530	UNION PACIFIC RAILROAD TUNNEL	JEFFERSON 25TH & CENTER YAKIMA	98421	CERCLIS, FINDS
TACOMA	S104971991	PUYALLUP LAND SETTLEMENT D	MARINE VIEW DR / 11TH AVE	98421	CSCSL NFA
TACOMA	1001490543	MULTIMODAL ENGINEERING CORP	710 PORT OF TACOMA TERM 7D 1ST	98421	RCRA-SQG, FINDS
TACOMA	1005445046	PHOENIX ENVIRONMENTAL SVCS INC TRANSFER	2212 PORT OF TACOMA RD TRANSFE	98421	RCRA-SQG, FINDS
TACOMA	S103504390	US OIL/HYUNDAI TERMINAL	PORT OF TACOMA ROAD	98421	ICR
TACOMA	S105992536	CITY OF TACOMA EDUCTOR WASTE DECANT FACILITY	2201 PORTLAND AVENUE	98421	SWF/LF, SPILLS
TACOMA	1001805088	EVERGREEN TACOMA PORT	2207 SITCUM WAY	98421	RCRA-SQG, FINDS
TACOMA	1007081317	PUYALLUP LAND SETTLEMENT E	TAYLOR WAY	98421	CSCSL, FINDS
TACOMA	1007265341	TACOMA CITY THEA FOSS WATERWAY	THEA FOSS WATERWAY N OF SR 509	98421	RCRA-LQG



## EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D018	BENZENE
D028	1,2-DICHLOROETHANE
D033	HEXACHLOROBUTADIENE
D035	METHYL ETHYL KETONE
D037	PENTRACHLOROPHENOL
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE

## EPA Waste Codes Addendum

Code	Description
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F008	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

## EPA Waste Codes Addendum

Code	Description
F009	SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.
F019	WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
F032	WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)
F034	WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)
F035	WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).
U012	ANILINE (I,T)
U012	BENZENAMINE (I,T)
U031	1-BUTANOL (I)
U031	N-BUTYL ALCOHOL (I)
U037	BENZENE, CHLORO-
U037	CHLOROBENZENE
U122	FORMALDEHYDE

## EPA Waste Codes Addendum

Code	Description
U131	ETHANE, HEXACHLORO-
U131	HEXACHLOROETHANE
U211	CARBON TETRACHLORIDE
U211	METHANE, TETRACHLORO-

## 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.

### FEDERAL RECORDS

#### **NPL: National Priority List**

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

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 11/02/05
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/30/06
	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 8  
Telephone: 303-312-6774

EPA Region 4  
Telephone 404-562-8033

#### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 11/02/05
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/30/06
	Data Release Frequency: Quarterly

#### **DELISTED NPL: National Priority List Deletions**

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

Date of Government Version: 10/14/05	Source: EPA
Date Data Arrived at EDR: 11/02/05	Telephone: N/A
Date Made Active in Reports: 12/07/05	Last EDR Contact: 11/02/05
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/30/06
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91  
Date Data Arrived at EDR: 02/02/94  
Date Made Active in Reports: 03/30/94  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 11/21/05  
Next Scheduled EDR Contact: 02/20/06  
Data Release Frequency: No Update Planned

### **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: 09/19/05  
Date Data Arrived at EDR: 10/21/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 6

Source: EPA  
Telephone: 703-413-0223  
Last EDR Contact: 12/21/05  
Next Scheduled EDR Contact: 03/20/06  
Data Release Frequency: Quarterly

### **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05  
Date Data Arrived at EDR: 09/20/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 37

Source: EPA  
Telephone: 703-413-0223  
Last EDR Contact: 12/21/05  
Next Scheduled EDR Contact: 03/20/06  
Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 10/13/05  
Date Data Arrived at EDR: 10/27/05  
Date Made Active in Reports: 12/07/05  
Number of Days to Update: 41

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/06/05  
Next Scheduled EDR Contact: 03/06/06  
Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 10/14/05  
Date Data Arrived at EDR: 10/27/05  
Date Made Active in Reports: 12/07/05  
Number of Days to Update: 41

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/28/05  
Next Scheduled EDR Contact: 02/27/06  
Data Release Frequency: Quarterly

### **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: 12/31/04  
Date Data Arrived at EDR: 01/27/05  
Date Made Active in Reports: 03/24/05  
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342  
Last EDR Contact: 01/12/06  
Next Scheduled EDR Contact: 04/24/06  
Data Release Frequency: Annually

### **HMIRS: Hazardous Materials Information Reporting System**

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

Date of Government Version: 08/17/05  
Date Data Arrived at EDR: 10/18/05  
Date Made Active in Reports: 12/07/05  
Number of Days to Update: 50

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 01/16/06  
Next Scheduled EDR Contact: 04/17/06  
Data Release Frequency: Annually

### **US ENG CONTROLS: Engineering Controls Sites List**

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

Date of Government Version: 08/02/05  
Date Data Arrived at EDR: 08/12/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 55

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 01/24/06  
Next Scheduled EDR Contact: 04/03/06  
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: 01/10/05  
Date Data Arrived at EDR: 02/11/05  
Date Made Active in Reports: 04/06/05  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 703-603-8867  
Last EDR Contact: 01/20/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/04  
Date Data Arrived at EDR: 02/08/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 177

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 11/11/05  
Next Scheduled EDR Contact: 02/06/06  
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: 12/31/04  
Date Data Arrived at EDR: 06/29/05  
Date Made Active in Reports: 08/08/05  
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 01/19/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Varies

### **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: 08/18/05  
Date Data Arrived at EDR: 08/18/05  
Date Made Active in Reports: 10/06/05  
Number of Days to Update: 49

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 11/30/05  
Next Scheduled EDR Contact: 03/13/06  
Data Release Frequency: Semi-Annually

### **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: 12/14/04  
Date Data Arrived at EDR: 02/15/05  
Date Made Active in Reports: 04/25/05  
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/31/05  
Next Scheduled EDR Contact: 01/23/06  
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: 10/07/05  
Date Data Arrived at EDR: 10/20/05  
Date Made Active in Reports: 12/07/05  
Number of Days to Update: 48

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 01/04/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Annually



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 12/29/04	Source: Department of Energy
Date Data Arrived at EDR: 01/07/05	Telephone: 505-845-0011
Date Made Active in Reports: 03/14/05	Last EDR Contact: 10/28/05
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Varies

### ODI: Open Dump Inventory

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

Date of Government Version: 06/30/85	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/04	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/04	Last EDR Contact: 06/09/04
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### 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: 12/31/03	Source: EPA
Date Data Arrived at EDR: 07/13/05	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/05	Last EDR Contact: 12/21/05
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/20/06
	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: 12/31/02	Source: EPA
Date Data Arrived at EDR: 04/27/04	Telephone: 202-260-5521
Date Made Active in Reports: 05/21/04	Last EDR Contact: 01/16/06
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/17/06
	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: 10/12/05	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 10/31/05	Telephone: 202-566-1667
Date Made Active in Reports: 12/20/05	Last EDR Contact: 12/20/05
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/20/06
	Data Release Frequency: Quarterly

### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/12/05	Source: EPA
Date Data Arrived at EDR: 10/31/05	Telephone: 202-566-1667
Date Made Active in Reports: 12/20/05	Last EDR Contact: 12/20/05
Number of Days to Update: 50	Next Scheduled EDR Contact: 03/20/06
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/03  
Date Data Arrived at EDR: 01/03/05  
Date Made Active in Reports: 01/25/05  
Number of Days to Update: 22

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/16/06  
Next Scheduled EDR Contact: 04/17/06  
Data Release Frequency: Annually

### **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: 08/30/05  
Date Data Arrived at EDR: 09/13/05  
Date Made Active in Reports: 10/27/05  
Number of Days to Update: 44

Source: EPA  
Telephone: 202-564-3887  
Last EDR Contact: 12/29/05  
Next Scheduled EDR Contact: 02/06/06  
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: 10/18/05  
Date Data Arrived at EDR: 10/31/05  
Date Made Active in Reports: 12/20/05  
Number of Days to Update: 50

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 01/03/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Quarterly

### **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: 08/12/05  
Date Data Arrived at EDR: 09/27/05  
Date Made Active in Reports: 11/14/05  
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/27/05  
Next Scheduled EDR Contact: 03/27/06  
Data Release Frequency: Semi-Annually

### **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: 09/29/05  
Date Data Arrived at EDR: 10/04/05  
Date Made Active in Reports: 11/14/05  
Number of Days to Update: 41

Source: EPA  
Telephone: N/A  
Last EDR Contact: 01/03/06  
Next Scheduled EDR Contact: 04/03/06  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/95  
Date Data Arrived at EDR: 07/03/95  
Date Made Active in Reports: 08/07/95  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 12/05/05  
Next Scheduled EDR Contact: 03/06/06  
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: 12/31/03  
Date Data Arrived at EDR: 06/17/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/12/05  
Next Scheduled EDR Contact: 12/12/05  
Data Release Frequency: Biennially

### **STATE AND LOCAL RECORDS**

#### **CSCSL: Confirmed & 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: 07/05/05  
Date Data Arrived at EDR: 08/17/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 27

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 11/15/05  
Next Scheduled EDR Contact: 02/13/06  
Data Release Frequency: Semi-Annually

#### **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: 08/24/05  
Date Data Arrived at EDR: 09/21/05  
Date Made Active in Reports: 10/13/05  
Number of Days to Update: 22

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 12/05/05  
Next Scheduled EDR Contact: 03/06/06  
Data Release Frequency: Semi-Annually

#### **CSCSL NFA: Confirmed & 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: 07/05/05  
Date Data Arrived at EDR: 08/17/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 27

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 11/15/05  
Next Scheduled EDR Contact: 02/13/06  
Data Release Frequency: Semi-Annually

#### **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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/04  
Date Data Arrived at EDR: 01/06/05  
Date Made Active in Reports: 02/02/05  
Number of Days to Update: 27

Source: Department of Ecology  
Telephone: 360-407-6132  
Last EDR Contact: 01/04/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Annually

### **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: 07/05/05  
Date Data Arrived at EDR: 07/13/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 29

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 01/10/06  
Next Scheduled EDR Contact: 03/13/06  
Data Release Frequency: Quarterly

### **UST:** Underground Storage Tank Database

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

Date of Government Version: 07/11/05  
Date Data Arrived at EDR: 07/13/05  
Date Made Active in Reports: 08/11/05  
Number of Days to Update: 29

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 01/10/06  
Next Scheduled EDR Contact: 03/13/06  
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: 12/13/05  
Date Data Arrived at EDR: 12/14/05  
Date Made Active in Reports: 01/16/06  
Number of Days to Update: 33

Source: Department of Ecology  
Telephone: 360-407-7562  
Last EDR Contact: 12/12/05  
Next Scheduled EDR Contact: 02/27/06  
Data Release Frequency: Varies

### **SPILLS:** Reported Spills

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

Date of Government Version: 09/08/05  
Date Data Arrived at EDR: 09/21/05  
Date Made Active in Reports: 11/09/05  
Number of Days to Update: 49

Source: Department of Ecology  
Telephone: 360-407-7450  
Last EDR Contact: 01/04/06  
Next Scheduled EDR Contact: 04/03/06  
Data Release Frequency: Semi-Annually

### **INST CONTROL:** Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 12/05/05  
Date Data Arrived at EDR: 12/06/05  
Date Made Active in Reports: 01/05/06  
Number of Days to Update: 30

Source: Department of Ecology  
Telephone: 360-407-7170  
Last EDR Contact: 12/06/05  
Next Scheduled EDR Contact: 03/06/06  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/02  
Date Data Arrived at EDR: 01/03/03  
Date Made Active in Reports: 01/22/03  
Number of Days to Update: 19

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 12/07/05  
Next Scheduled EDR Contact: 02/13/06  
Data Release Frequency: No Update Planned

### **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: 07/05/05  
Date Data Arrived at EDR: 08/17/05  
Date Made Active in Reports: 09/13/05  
Number of Days to Update: 27

Source: Department of Ecology  
Telephone: 360-407-7200  
Last EDR Contact: 11/15/05  
Next Scheduled EDR Contact: 02/13/06  
Data Release Frequency: Varies

### **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: 11/28/05  
Date Data Arrived at EDR: 11/28/05  
Date Made Active in Reports: 01/05/06  
Number of Days to Update: 38

Source: Department of Ecology  
Telephone: 360-407-6732  
Last EDR Contact: 11/14/05  
Next Scheduled EDR Contact: 02/13/06  
Data Release Frequency: Varies

### **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: 11/14/05  
Date Data Arrived at EDR: 12/06/05  
Date Made Active in Reports: 01/05/06  
Number of Days to Update: 30

Source: Department of Health  
Telephone: 360-236-3380  
Last EDR Contact: 12/06/05  
Next Scheduled EDR Contact: 03/06/06  
Data Release Frequency: Varies

### **EMI: Washington Emissions Data System**

Date of Government Version: 12/31/03  
Date Data Arrived at EDR: 01/18/05  
Date Made Active in Reports: 03/04/05  
Number of Days to Update: 45

Source: Department of Ecology  
Telephone: 360-407-6040  
Last EDR Contact: 01/16/06  
Next Scheduled EDR Contact: 04/17/06  
Data Release Frequency: Annually

## **TRIBAL RECORDS**

### **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: 12/31/04  
Date Data Arrived at EDR: 02/08/05  
Date Made Active in Reports: 08/04/05  
Number of Days to Update: 177

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 11/11/05  
Next Scheduled EDR Contact: 02/06/06  
Data Release Frequency: Semi-Annually

### **INDIAN LUST: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/07/05  
Date Data Arrived at EDR: 09/08/05  
Date Made Active in Reports: 10/25/05  
Number of Days to Update: 47

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/10/06  
Next Scheduled EDR Contact: 05/22/06  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/07/05  
Date Data Arrived at EDR: 09/08/05  
Date Made Active in Reports: 10/25/05  
Number of Days to Update: 47

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 11/21/05  
Next Scheduled EDR Contact: 02/20/06  
Data Release Frequency: Varies

### 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 (oil 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: 11/15/05  
Date Data Arrived at EDR: 12/05/05  
Date Made Active in Reports: 12/28/05  
Number of Days to Update: 23

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: 01/25/06  
Next Scheduled EDR Contact: 04/24/06  
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: 04/30/85  
Date Data Arrived at EDR: 11/07/94  
Date Made Active in Reports: N/A  
Number of Days to Update: 23

Source: Seattle-King County Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 10/21/94  
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: 07/30/84  
Date Data Arrived at EDR: 11/07/94  
Date Made Active in Reports: N/A  
Number of Days to Update: 23

Source: Seattle - King County Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 10/21/94  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/86  
Date Data Arrived at EDR: 08/18/95  
Date Made Active in Reports: 09/20/95  
Number of Days to Update: 33

Source: Department of Public Health  
Telephone: 206-296-4785  
Last EDR Contact: 08/14/95  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### SNOHOMISH COUNTY:

#### Solid Waste Sites of Record at Snohomish Health District

Date of Government Version: 02/28/05  
Date Data Arrived at EDR: 04/28/05  
Date Made Active in Reports: 05/26/05  
Number of Days to Update: 28

Source: Snohomish Health District  
Telephone: 206-339-5250  
Last EDR Contact: 01/19/06  
Next Scheduled EDR Contact: 04/17/06  
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: 09/01/02  
Date Data Arrived at EDR: 03/24/03  
Date Made Active in Reports: 05/14/03  
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department  
Telephone: 206-591-6500  
Last EDR Contact: 03/19/03  
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.

**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: PennWell Corporation  
Telephone: (800) 823-6277

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

#### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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 1999 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 from the U.S. Fish and Wildlife Service.

### **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

BROWN & HALEY  
1940 EAST 11TH STREET  
TACOMA, WA 98421

### **TARGET PROPERTY COORDINATES**

Latitude (North):	47.265202 - 47° 15' 54.7"
Longitude (West):	122.411301 - 122° 24' 40.7"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	544535.6
UTM Y (Meters):	5234585.0
Elevation:	5 ft. above sea level

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

### 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  
PIERCE, WA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 5301480025B

Additional Panels in search area: 5301480010B  
5301380169C

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
TACOMA NORTH

NWI Electronic  
Data Coverage  
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
Location Relative to TP:	1/8 - 1/4 Mile SE
Site Name:	ALLIED CHEMICAL CORP TACOMA WORKS
Site EPA ID Number:	WAD001829522
Surficial Aquifer Flow Dir.:	GENERALLY W AND S IN THE UPPER AQUIFER WITH A POSSIBLE DISCHARGE TO DRAINAGE DITCHES TO THE SOUTH AND WEST OF THE SITE
Measured Depth to Water:	less than 30 feet
Hydraulic Connection:	The uppermost aquifers, the upper and middle aquifers, are present within 30 feet of the ground surface and are separated by a silt layer.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

### 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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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\* ©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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
4	1/2 - 1 Mile NE	Not Reported
9	1/2 - 1 Mile SW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

## **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: Stratified 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).

### **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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: PILCHUCK

Soil Surface Texture: loamy sand

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

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	20 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 5.60
3	38 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 6.10
4	60 inches	70 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.60

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subinvariant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam  
silt loam  
silty clay loam  
gravelly - loam  
gravelly - coarse sand  
muck  
loam

Surficial Soil Types: fine sandy loam  
silt loam  
silty clay loam  
gravelly - loam  
gravelly - coarse sand  
muck  
loam

Shallow Soil Types: fine sandy loam

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

silty clay loam  
silt loam  
peaty - silt loam  
loam  
sandy loam

Deeper Soil Types: silt loam  
silty clay loam  
very gravelly - coarse sand  
stratified  
loamy fine sand  
very gravelly - sand  
sapric material  
sand  
very gravelly - loamy sand  
loamy sand

### 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

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

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS3272261	1/4 - 1/2 Mile North
A2	USGS3272260	1/4 - 1/2 Mile North
3	USGS3272117	1/4 - 1/2 Mile ESE
B5	USGS3271881	1/2 - 1 Mile SSW
B6	USGS3271877	1/2 - 1 Mile SSW
B7	USGS3271874	1/2 - 1 Mile SSW
8	USGS3272304	1/2 - 1 Mile ENE
B10	USGS3271871	1/2 - 1 Mile SSW
C11	USGS3272360	1/2 - 1 Mile NE
D13	USGS3272450	1/2 - 1 Mile NNE
14	USGS3271790	1/2 - 1 Mile South
D15	USGS3272449	1/2 - 1 Mile NNE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

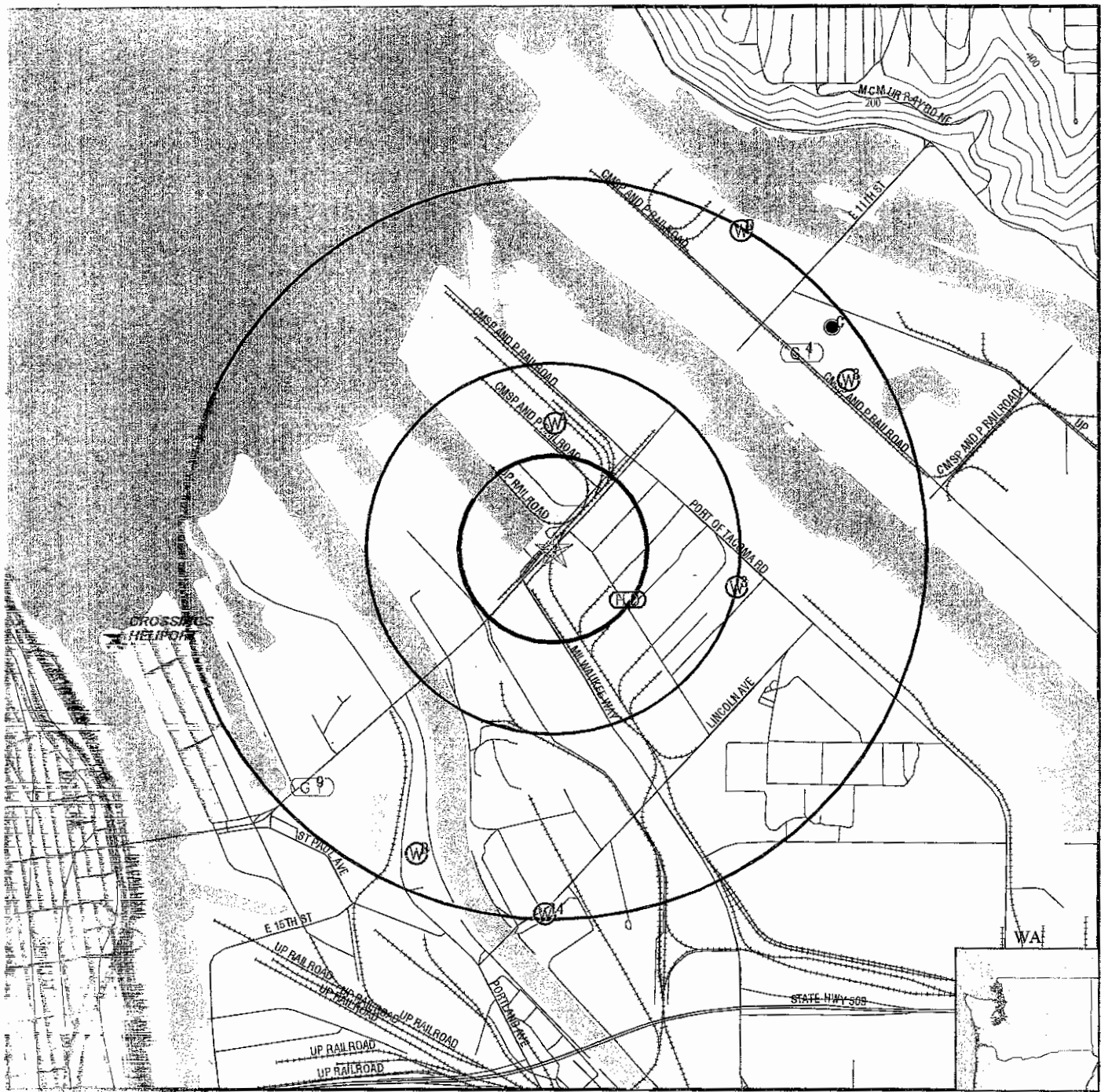
Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C12	WAGRP0000004567	1/2 - 1 Mile NE



# PHYSICAL SETTING SOURCE MAP - 1601090.2s



- North
- Water Feature
- Boundary Line
- Airport
- Richter 5 or greater
- Well
- Water Storage Tank
- Other Feature

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

**Prepared by:** Brown & Haley  
**Address:** 1111 11th Street  
**City:** WA 98421  
**Phone:** 122.4113

**CLIENT:** Nowicki Env. Services Inc  
**CONTACT:** Walt Pich  
**INQUIRY #:** 1601090.2s  
**DATE:** January 26, 2006

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**

**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS3272261**

Agency cd:	USGS	Site no:	471613122243602
Site name:	21N/03E-34C04		
Latitude:	471613		
Longitude:	1222436	Dec lat:	47.27009933
Dec lon:	-122.41123466	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	NE NW S34 T21N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	18	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660701
Date inventoried:	19660830	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:	Not Reported		
Source of depth data:	driller		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		
	Hole depth:	20	
	Project number:	Not Reported	
	Daily flow data begin date:	Not Reported	
	Daily flow data count:	Not Reported	
	Peak flow data end date:	Not Reported	
	Water quality data begin date:	Not Reported	
	Water quality data count:	Not Reported	
	Ground water data end date:	Not Reported	

Ground-water levels, Number of Measurements: 0

**A2**

**North**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS3272260**

Agency cd:	USGS	Site no:	471613122243601
Site name:	21N/03E-34C03		
Latitude:	471613		
Longitude:	1222436	Dec lat:	47.27009933
Dec lon:	-122.41123466	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	NE NW S34 T21N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	18	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19660601
Date inventoried:	19660830	Mean greenwich time offset:	PST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	Not Reported	Hole depth:	25
Source of depth data:	driller	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3

ESE

1/4 - 1/2 Mile

Higher

FED USGS

USGS3272117

Agency cd:	USGS	Site no:	471548122235901
Site name:	21N/03E-34J01		
Latitude:	471550		
Longitude:	1222359	Dec lat:	47.26371055
Dec lon:	-122.40095656	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	NE SE S34 T21N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	13	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19840112
Date inventoried:	19840926	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:	ALLUVIUM		
Well depth:	Not Reported	Hole depth:	14.4
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
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:	1984-02-08
Water quality data end date:	1984-08-22	Water quality data count:	3
Ground water data begin date:	1984-01-19	Ground water data end date:	1984-09-25
Ground water data count:	6		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-09-25					
Note: The well was destroyed (no water level is recorded).					
1984-09-24	8.21		1984-08-15	7.80	
1984-05-09	7.0		1984-02-06	6.5	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-01-19	6.44				

<b>4</b> <b>NE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	4359	<b>AQUIFLOW</b>	<b>42472</b>
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	2.31		
	Deepest Water Table Depth:	10.38		
	Average Water Table Depth:	Not Reported		
	Date:	07/17/1997		

<b>B5</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	<b>FED USGS</b>	<b>USGS3271881</b>
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Agency cd:	USGS	Site no:	471514122250501
Site name:	20N/03E-04H03		
Latitude:	471514		
Longitude:	1222505	Dec lat:	47.25371043
Dec lon:	-122.4192901	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SE NE S04 T20N R03E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99	Altitude method:	U
Altitude accuracy:	999	Altitude datum:	NGVD29
Hydrologic:	Puyallup, Washington. Area = 996 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19650105
Date inventoried:	19660615	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:	980	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
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:	1966-09-07
Water quality data end date:	1966-09-07	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

<b>B6</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	<b>FED USGS</b>	<b>USGS3271877</b>
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	471513122250401
Site name:	20N/03E-04H01		
Latitude:	471513		
Longitude:	1222504	Dec lat:	47.25343266
Dec lon:	-122.41901231	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SE NE S04 T20N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	12	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Puyallup, Washington. Area = 996 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19600323	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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
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:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1901-01-01	Ground water data end date:	1939-08-04
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1939-08-04					
Note: The site was flowing, but the head could not be measured without additional equipment.					
1901-01-01	-1				

**B7**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3271874**

Agency cd:	USGS	Site no:	471512122250301
Site name:	20N/03E-04H02		
Latitude:	471512		
Longitude:	1222503	Dec lat:	47.25315489
Dec lon:	-122.41873452	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SE NE S04 T20N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	20	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puyallup, Washington. Area = 996 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400101
Date inventoried:	19850521	Mean greenwich time offset:	PST

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: Not Reported  
 Source of depth data: other  
 Real time data flag: 0  
 Daily flow data end date: 0000-00-00  
 Peak flow data begin date: 0000-00-00  
 Peak flow data count: 0  
 Water quality data end date: 1966-08-25  
 Ground water data begin date: 0000-00-00  
 Ground water data count: 0

Hole depth: Not Reported  
 Project number: Not Reported  
 Daily flow data begin date: 0000-00-00  
 Daily flow data count: 0  
 Peak flow data end date: 0000-00-00  
 Water quality data begin date: 1966-08-25  
 Water quality data count: 1  
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

8  
 ENE  
 1/2 - 1 Mile  
 Higher

FED USGS USGS3272304

Agency cd: USGS Site no: 471619122233601  
 Site name: 21N/03E-35D01  
 Latitude: 471619  
 Longitude: 1222336  
 Dec lon: -122.39456767  
 Coord acc: S  
 Dec latlong datum: NAD83  
 State: 53  
 Country: US  
 Location map: TACOMA NORTH  
 Altitude: 13  
 Altitude accuracy: 5  
 Hydrologic: Puyallup, Washington. Area = 996 sq.mi.  
 Topographic: Valley flat  
 Site type: Ground-water other than Spring  
 Date inventoried: 19840926  
 Local standard time flag: Y  
 Type of ground water site: Single well, other than collector or Ranney type  
 Aquifer Type: Not Reported  
 Aquifer: ALLUVIUM  
 Well depth: Not Reported  
 Source of depth data: other  
 Real time data flag: 0  
 Daily flow data end date: 0000-00-00  
 Peak flow data begin date: 0000-00-00  
 Peak flow data count: 0  
 Water quality data end date: 1984-08-22  
 Ground water data begin date: 1984-01-30  
 Ground water data count: 6

Dec lat: 47.27176613  
 Coord meth: M  
 Latlong datum: NAD27  
 District: 53  
 County: 053  
 Land net: NW NW S35 T21N R03E W  
 Map scale: 24000  
 Altitude method: M  
 Altitude datum: NGVD29

Date construction: 19840118  
 Mean greenwich time offset: PST

Hole depth: 14.4  
 Project number: Not Reported  
 Daily flow data begin date: 0000-00-00  
 Daily flow data count: 0  
 Peak flow data end date: 0000-00-00  
 Water quality data begin date: 1984-02-03  
 Water quality data count: 3  
 Ground water data end date: 1984-09-25

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-09-25					
Note: The well was destroyed (no water level is recorded).					
1984-09-24	6.32		1984-08-15	5.5	
1984-05-09	2.6		1984-02-01	1.9	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
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1984-01-30	2.01	
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Date	Feet below Surface	Feet to Sealevel
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9  
SW  
1/2 - 1 Mile  
Higher

Site ID:	200780
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	9.5
Deepest Water Table Depth:	10
Average Water Table Depth:	Not Reported
Date:	12/23/1994

AQUIFLOW 42453

B10  
SSW  
1/2 - 1 Mile  
Higher

FED USGS USGS3271871

Agency cd:	USGS	Site no:	471511122250601
Site name:	20N/03E-04H04		
Latitude:	471511		
Longitude:	1222506	Dec lat:	47.2528771
Dec lon:	-122.41956786	Coor meth:	M
Coor acor:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SE NE S04 T20N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	20	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puyallup. Washington. Area = 996 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19850516	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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	driller	Project number:	Not Reported
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:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-25	Ground water data end date:	1966-08-25
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1966-08-25	15	
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Note: Other conditions existed that would affect the measured water level.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

C11

NE

1/2 - 1 Mile

Higher

FED USGS

USGS3272360

Agency cd:	USGS	Site no:	471626122233901
Site name:	21N/03E-26N02		
Latitude:	471626		
Longitude:	1222339	Dec lat:	47.27371056
Dec lon:	-122.39540105	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SW SW S26 T21N R03E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	9999.99	Altitude method:	U
Altitude accuracy:	999	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19880906
Date inventoried:	19880920	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Multiple wells (a group of wells that are pumped through a single header)		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	40	Hole depth:	40
Source of depth data:	driller	Project number:	WA00228
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:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1988-09-12	Ground water data end date:	1988-09-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1988-09-12	6	
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C12

NE

1/2 - 1 Mile

Higher

WA WELLS

WAGRP0000004567



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Source Name:	TIDEFLATS	Range:	03E
Township:	21	Section:	26
QTR Section:	SWSW	Source Type:	W
Source Use:	S	SP X:	1529760
SP Y:	713408	PWS Name:	TACOMA WATER DIVISION, CITY OF
PWS ID:	86800	Source:	09
Key ID:	8680009		

**D13**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3272450**

Agency cd:	USGS	Site no:	471640122235901
Site name:	21N/03E-27B01		
Latitude:	471640		
Longitude:	1222359	Dec lat:	47.27759939
Dec lon:	-122.40095679	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	NW NE S27 T21N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	20	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puget Sound, Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	19850801	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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	other	Project number:	Not Reported
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:	1966-09-08
Water quality data end date:	1966-09-08	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**14**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3271790**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	471504122243801
Site name:	20N/03E-03F01		
Latitude:	471504		
Longitude:	1222438	Dec lat:	47.25093273
Dec lon:	-122.4117899	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	SE NW S03 T20N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	13	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Puyallup. Washington. Area = 996 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19840116
Date inventoried:	19840926	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:	ALLUVIUM		
Well depth:	Not Reported	Hole depth:	14.3
Source of depth data:	reporting agency (generally USGS)	Project number:	Not Reported
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:	1984-02-08
Water quality data end date:	1984-08-21	Water quality data count:	3
Ground water data begin date:	1984-01-16	Ground water data end date:	1984-09-25
Ground water data count:	7		

## Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-09-25					
Note: The well was destroyed (no water level is recorded).					
1984-09-24	6.42		1984-08-15	5.8	
1984-05-10	4.7		1984-02-06	4.3	
1984-01-18	4.11		1984-01-16	7.33	

**D15**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS3272449**

Agency cd:	USGS	Site no:	471640122235701
Site name:	21N/03E-27J01		
Latitude:	471640		
Longitude:	1222357	Dec lat:	47.27759939
Dec lon:	-122.40040122	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	053
Country:	US	Land net:	NE SE S27 T21N R03E W
Location map:	TACOMA NORTH	Map scale:	24000
Altitude:	80	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	19600308	Mean greenwich time offset:	PST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	other	Project number:	Not Reported
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:	1939-02-18
Water quality data end date:	1949-02-11	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

Federal EPA Radon Zone for PIERCE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level  $\geq 2$  pCi/L and  $\leq 4$  pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

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Federal Area Radon Information for PIERCE COUNTY, WA

Number of sites tested: 86

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.665 pCi/L	97%	3%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.120 pCi/L	93%	7%	0%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### TOPOGRAPHIC INFORMATION

#### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

### HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 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 from the U.S. Fish and Wildlife Service.

### HYDROGEOLOGIC INFORMATION

#### **AQUIFLOW<sup>®</sup> 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.

### 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.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STATE RECORDS

#### Water Wells

Source: Department of Transportation  
Telephone: 360-705-7444  
Group A well location points in Washington State.

#### Kitsap County Water Wells in Washington

Source: Public Utility District No. 1 of Kitsap County  
Telephone: 206-779-7656

### OTHER STATE DATABASE INFORMATION

### 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