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ENVIRONMENTAL SERVICES

[Tetra Tech 104(e) response evaluations attached]

DRAFT REPORT

COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE

EPA Region 10
Deemed Releasable 1/20/2021
KRISTINE KOCH Digitally signed by KRISTINE KOCH
Date: 2021.01.20 09:00:25 -08'00'

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PRP STATUS REPORT

Submitted to

PRC Environmental Management, Inc.
Seattle, Washington

For

U.S. Environmental Protection Agency
Region 10
Seattle, Washington

USEPA SF
1206072

February 1990 Draft

Draft
Enforcement
Confidential

PTI Environmental Services
15375 SE 30th Place
Suite 250
Bellevue, Washington 98007

DRAFT REPORT

COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND SITE

PRP STATUS REPORT

Submitted to

PRC Environmental Management, Inc.
1411 Fourth Avenue, Suite 720
Seattle, WA 98101

For

U.S. Environmental Protection Agency
Region 10, HW-113
1200 Sixth Avenue
Seattle, WA 98101

EPA Contract No. 68-W9-0009
PTI Contract No. C805-02-03

February 1990 Draft

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INTRODUCTION

The Commencement Bay Nearshore/Tideflats (CB/NT) potentially responsible party (PRP) search was begun nearly two years ago by the U.S. Environmental Protection Agency (EPA) and its contractor, Tetra Tech, Inc. Tetra Tech identified all parcels within the designated boundaries of the CB/NT site and collected current tenant and owner information for each parcel. Parcels were assigned a PRP status (i.e., *YES*, *MAYBE*, *UNKNOWN*, or *NO*) based on land use, drainage, and documentation that connects current or past tenants with sediment contamination.

Tenants and owners associated with parcels that were assigned a *YES* or *MAYBE* status were sent Comprehensive Environmental Response, Compensation, and Liability Act 104(e) general notice letters and requests for information. A total of 133 letters were mailed and, to date, 118 responses have been received. Tetra Tech reviewed 44 PRP responses prior to the termination of their technical enforcement support (TES) contract with EPA. EPA requested that PRC Environmental Management, Inc. (as the current TES contractor), through its subcontractor PTI Environmental Services, Inc., prepare a PRP status report that includes an evaluation of the 44 response reviews completed by Tetra Tech and a preliminary review of the remaining responses. The report will serve as an aid in the transition of the PRP search work from Tetra Tech to PTI and as a basis for future PRP search efforts.

The status report primarily addresses the completeness and accuracy of each response and is not meant to be a comprehensive review of all responses. To determine the level of completeness and accuracy of each response, the PRP responses were compared to information contained in a PRP database developed by Tetra Tech. The database contains real estate information collected from Real Estate Information Limited (REIL) and environmental information collected from file reviews conducted at the Washington Department of Ecology (Ecology) and the Tacoma-Pierce County Health Department. However, because the database contains data gaps and the responses are often incomplete, evaluation of the accuracy of the responses was not always possible.

The status report also serves the following functions:

- Partial identification of additional PRPs (e.g., previous tenants)
- Partial identification of contaminants, sources, and pathways
- Recommendations for follow-up actions
- Evaluation of Tetra Tech's recommendations for deleting some PRPs.

Several PRPs claim that they are exempt from Superfund actions because they handle only petroleum products. In many cases, however, priority chemicals for CB/NT (e.g., benzene, toluene, ethylbenzene, xylene, and tetraethyl lead) that are not exempt from Superfund actions were added to or ubiquitous in petroleum products and may have entered the waterways through discharges of petroleum products. A determination must be made on whether or not the exemption applies under these circumstances.

The status report contains two major sections: *EVALUATION OF TETRA TECH'S PRP 104(e) RESPONSE REVIEWS* and *PRELIMINARY EVALUATIONS OF 104(e) RESPONSES NOT REVIEWED BY TETRA TECH*. The first section consists of the evaluations of the 44 PRP response reviews prepared by Tetra Tech. The PRPs are organized alphabetically within each waterway. The waterways are ordered to match the order of the CB/NT Administrative Record Table of Contents (i.e., Hylebos, Sitcum, St. Paul, Middle, Wheeler-Osgood, and City). The second section contains PTI's preliminary evaluations of the remaining PRP responses and is organized in the same fashion as the first section.

EVALUATION OF TETRA TECH's PRP 104(e) RESPONSE REVIEWS

BONNEVILLE POWER ADMINISTRATION

Parcel(s)	Address(es)
0321363022	Alexander Avenue

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

RECOMMENDATION FOR DELETION

The property that the Bonneville Power Administration occupies drains to Blair Waterway but may also drain to Hylebos Waterway. Also, the parcel is located next to the Kaiser Plant and may have been used for waste disposal by Kaiser. Therefore, PTI does not agree with Tetra Tech's recommendation to delete Bonneville Power Administration from the list of PRPs for Hylebos Waterway.

FOLLOW-UP ACTIONS

1. Determine if BPA should be held responsible for the contamination that Kaiser may have created.

BUFFELEN WOODWORKING COMPANY

Parcel(s)	Address(es)
0321264006	1901 Taylor Way
0321264035	1901 Taylor Way
0321264042	1901 Taylor Way
0321351019	Lincoln Avenue & Taylor Way
0321351044	Lincoln Avenue & Taylor Way

COMPLETENESS OF RESPONSE

The response in PTI's possession includes answers to Questions 1-5 only.

ACCURACY OF RESPONSE AND EVALUATION

The portion of the response that PTI has in its possession appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

(b) (6)

FOLLOW-UP ACTIONS

1. Obtain Buffelen's response to Questions 6-19 and review.

CHEMICAL PROCESSORS, INC.

Parcel(s)	Address(es)
0321263003	1500 Taylor Way
0321263024	1500 Taylor Way
0321352043	1701 Alexander Avenue
0321352044	1701 Alexander Avenue
0321352053	1851 Alexander Avenue

COMPLETENESS OF RESPONSE

Past tenant and ownership information is not provided.

ACCURACY OF RESPONSE AND EVALUATION

The information that is provided appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenants and which, if any, should receive a request for information.

GENERAL METALS

Parcel(s)	Address(es)
0321362032	1902 Marine View Drive
0321362033	1870 Marine View Drive
0321362037	1870 Marine View Drive
0321362038	1870 Marine View Drive
0321362051	1883 Marine View Drive
0321362053	1870 Marine View Drive

COMPLETENESS OF RESPONSE

The response does not indicate how long General Metals has occupied its current location. There is no mention of former tenants or owners of the site.

ACCURACY OF RESPONSE AND EVALUATION

There is a contradiction between the response and the response evaluation. General Metals indicates that they occupy five parcels totalling 26.73 acres. The evaluation indicates that General Metals also occupies a sixth parcel (0321362051) for a total of 33 acres. The real estate records indicate that General Metals does occupy Parcel 0321362051, but General Metals does not acknowledge it.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenant and which, if any, should receive a request for information.

2. Resolve questions regarding number of parcels and acres that General Metals owns.

LOUISIANA-PACIFIC CORPORATION

Parcel(s)	Address(es)
0321364024	3701 Taylor Way

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

Executive Bark
Seaport Bark

MURRAY PACIFIC CORPORATION

Parcel(s)	Address(es)
0321264051	East of 3502 Lincoln Avenue
0321351039	3502 Lincoln Avenue

COMPLETENESS OF RESPONSE

The response does not verify ownership of parcels by parcel number.

ACCURACY OF RESPONSE AND EVALUATION

Real estate records indicate that Pan Pacific Trading Company (a subsidiary of Murray Pacific) owns two parcels totalling 16.52 acres. This information is reflected in the evaluation. The response, however, does not indicate that Pan Pacific owns these parcels but that Murray Pacific does. In addition, Murray Pacific indicates that they only own and occupy the parcel located at 3502 Lincoln Avenue, which is 13.42 acres. Murray Pacific also states that two small portions of the property were leased from U.S. Gypsum and Mrs. Gilbert Anderson. No dates are provided. It is not clear how Murray Pacific leased portions of the land they already own.

ADDITIONAL PRPs IDENTIFIED

Cheney Lumber Company

FOLLOW-UP ACTIONS

1. Determine which, if any, of the prior owners and tenants should receive a request for information.

2. Resolve questions regarding the number of parcels and acres owned by Murray Pacific.

OCCIDENTAL CHEMICAL CORPORATION

Parcel(s)	Address(es)
2275200560	605 Alexander Avenue

COMPLETENESS OF RESPONSE

For Questions 5-8, 13, and 17, Occidental indicates that this information has previously been submitted to EPA and did not resubmit it for the response. The information is available for review by EPA at Occidental offices. Occidental indicates that there are a number of maps and photographs of their property, but did not submit them with the response. The maps and photographs are also available for review by EPA upon request. Insurance information is not provided. Parcel ownership is not verified by parcel number.

ACCURACY OF RESPONSE AND EVALUATION

Occidental states that they own a total of 31.39 acres. According to real estate records, Occidental only owns 20.89 acres. Occidental purchased the original 20.89 acres in 1928 and the purchased the additional 10.5 acres in 1946 from Todd Shipyards. It is unclear which parcel(s) the are associated with the 10.5 acres.

ADDITIONAL PRPs IDENTIFIED

Todd Shipyards.

FOLLOW-UP ACTIONS

1. Determine if files at Occidental or EPA should be reviewed.
2. Resolve questions regarding the number of acres owned by Occidental.

PORT OF TACOMA/WASSER-WINTERS LOG SORT YARD

Parcel(s)	Address(es)
0321364017	Marine View Drive & Taylor Way
0321364026	1600 E. Marine View Drive

PTI was not able to evaluate this PRP because the 104(e) response is not in PTI's possession.

WASHINGTON DEPARTMENT OF NATURAL RESOURCES

PTI was not able to evaluate this PRP because the 104(e) response is not in PTI's possession.

APEX FORGE AND TOOL COMPANY

Parcel(s)	Address(es)
6965000220	2311 Ross Way
6965000230	2311 Ross Way

COMPLETENESS OF RESPONSE

The response [supplemented by information gathered from a telephone interview conducted by Tetra Tech with Stephen Groves (President of APEX)] appears satisfactory.

ACCURACY OF RESPONSE AND EVALUATION

APEX states that they lease 0.574 acres from Mintercreek Development, but real estate records show that APEX leases 0.804 acres. There are two parcels involved: 1) a 0.574-acre parcel (6965000230) and 2) a 0.230-acre parcel (6965000220).

ADDITIONAL PRPs IDENTIFIED

Trade Industries (owned by Reynold L. Saari, a current stockholder in APEX)
West-Trade Industries
Coski Pacific Forge & Tool

RECOMMENDATION FOR DELETION

APEX appears to run a clean operation and there is no documented evidence of spills or discharges of chemicals to the Sitcum. However, very little is known about the prior operations on this site and there may be a connection between APEX and Trade Industries through ownership. PTI recommends that APEX remain on the PRP list pending further investigation.

FOLLOW-UP ACTIONS

1. Determine if APEX occupies both parcels or just one parcel. If APEX occupies only one parcel, determine who occupies the other parcel.

2. Determine if prior tenants have contributed to sediment contamination and, if so, their connection, if any, with APEX.

BARTHEL COMPANY

Parcel(s)	Address(es)
2275200790	2434 East 11th Street
6965000170	Ross Way & Port of Tacoma Road

COMPLETENESS OF RESPONSE

Norcore Plastics submitted a response for Barthel because Norcore currently owns Barthel. Norcore's response, however, does not address any activities conducted by Barthel at their prior location: 2434 East 11th Street.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate for the time period it covers.

ADDITIONAL PRPs IDENTIFIED

(b) (6)

RECOMMENDATION FOR DELETION

Tetra Tech recommends deleting Barthel as a PRP because they are currently owned by Norcore. Because Barthel may have contributed to sediment contamination at its old location, PTI recommends that the former owners of Barthel Company (Loretta Barthel and T.H. VanRick) be added and maintained on the PRP list.

FOLLOW-UP ACTIONS

1. Send Loretta Barthel and T.H. Van Rick, as prior owners of Barthel Company, a general notice letter and request for information that addresses the time period prior to Norcore Plastics purchasing Barthel Company.

DYKMAN, MARVIN AND GLEE

Parcel(s)	Address(es)
2275200770	2310 East 11th Street

COMPLETENESS OF RESPONSE

See Sound Battery.

ACCURACY OF RESPONSE AND EVALUATION

See Sound Battery.

ADDITIONAL PRPs IDENTIFIED

See Sound Battery.

RECOMMENDATION FOR DELETION

(b) (6) are the current owners of Sound Battery and the property it is located on. They should remain on the PRP list as long as Sound Battery remains on the list.

GENERAL CHEMICAL

Parcel(s)	Address(es)
6965000520	1410 Thorne Road

COMPLETENESS OF RESPONSE

General Chemical's response discusses activities related to the site only since 1986. Allied Chemical (which appears to have eventually become General Chemical) began operating on the site in 1955. Information regarding Allied Chemical's activities should be requested. A more detailed explanation of the connection between Allied Signal (formerly Allied Chemical) is needed. The results of the environmental investigations at the site were not included in the response.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

Allied Chemical/Allied Signal

FOLLOW-UP ACTIONS

1. Determine connection, if any, between Allied Signal and General Chemical.
2. Send the former or present owners of Allied Signal a general notice letter and request for information.
3. Obtain results of environmental investigation.

HERTZ EQUIPMENT RENTAL

Parcel(s)	Address(es)
2275200730	2216 East 11th Street
2275200740	2216 East 11th Street

COMPLETENESS OF RESPONSE

The response does not provide information regarding previous owners or tenants.

ACCURACY OF RESPONSE AND EVALUATION

Hertz indicates that they lease two parcels, but real estate records indicate that they only occupy one parcel (2275200740). Modern Properties indicates in their response that Hertz leases Parcel 2275200730 and 2275200740 (8.7.3.14.2-0001, p. 2). According to real estate records, Parcel 2275200730 is vacant.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenants and which, if any, should receive a request for information.
2. Evaluate possibility of contamination from onsite sources.
3. Verify that Hertz does lease Parcel 2275200730.

MCKENZIE FUEL/MCKENZIE, EVA

Parcel(s)	Address(es)
2275200700	2432 East 11th Street
6965000180	Ross Way
6965000190	2339 Ross Way

COMPLETENESS OF RESPONSE

The response is inadequate. It does not verify ownership of parcels or provide names of previous owners or tenants. Although (b) (6) owns three parcels, the response only

discusses one parcel (2275200700). In addition, the response may not provide a complete list of chemicals used. It does not detail onsite activities nor indicate if any spills, leaks, or discharges have occurred.

ACCURACY OF RESPONSE AND EVALUATION

According to real estate records (b) (6) owns three parcels (two on Ross Avenue, 6965000190 and 6965000180, and one at 2432 East 11th Street, 2275200700). In the PRP database, Parcel 2275200700 is classified as *UNKNOWN* and Parcels 6965000180 and 6965000190 are classified as *MAYBE*. Tetra Tech's evaluation indicates that McKenzie Fuel, which was located at 2432 East 11th, occupied the parcels located on Ross Avenue. This confusion should be cleared up. McKenzie Fuel operated at 2432 East 11th from 1940 to 1984. It is not clear what the parcels on Ross Avenue were used for.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Submit an additional request for information and request clarification of ownership and tenancy issues for all parcels and for chemicals used.
2. Perform a site evaluation to determine if site soils are contaminated.

NORCORE PLASTICS/GLEIN INVESTMENTS

Parcel(s)	Address(es)
6965000512	1144 Thorne Road

COMPLETENESS OF RESPONSE

Prior owner and tenant information is not provided. Parcel ownership is not verified by parcel number. Questions 10 and 11 are not answered.

ACCURACY OF RESPONSE AND EVALUATION

The information provided appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

(b) (6)

All are former owners of Norcore Plastics.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenants and which, if any, should receive a request for information.

2. Request that Norcore respond to Questions 10 and 11 and verify parcel ownership by parcel number.

NULIFE FERTILIZERS

Parcel(s)	Address(es)
6965000530	1424 Thorne Road
6965000570	1903 Lincoln Avenue

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

Steel Container Corporation
L&L Investment Corporation

RECOMMENDATION FOR DELETION

PTI concurs with Tetra Tech's recommendation to delete Nulife Fertilizers from the PRP list. However, Hygrade Food Products Corporation, as owner of the property at 1424 Thorne Road (location of a former steel container plant) should remain on the list pending further investigation.

ONE NEWCO, INC.

COMPLETENESS OF RESPONSE

See General Chemical.

ACCURACY OF RESPONSE AND EVALUATION

See General Chemical.

ADDITIONAL PRPs IDENTIFIED

See General Chemical.

RECOMMENDATION FOR DELETION

PTI concurs with Tetra Tech's recommendation for deleting One Newco, Inc. This company was temporarily formed by General Chemical to transfer ownership of property and is no longer a functioning company.

OREGON-WASHINGTON RAILROAD & NAVIGATION COMPANY (SEE UNION PACIFIC RAILROAD)

RECOMMENDATION FOR DELETION

Tetra Tech recommends that Oregon-Washington Railroad & Navigation (OWRN) be deleted from the PRP list because OWRN was merged into Union Pacific Railroad Company and no longer exists as a separate entity. PTI concurs with this recommendation. However, if OWRN was responsible for contributing to sediment contamination before it merged with Union Pacific, the former owners of OWRN should be added to the PRP list.

PABCO ROOFING PRODUCTS

Parcel(s)	Address(es)
6965000550	1718 Thorne Road

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

Certain-Teed Corporation

RECOMMENDATION FOR DELETION

It does not appear that PABCO has contributed to sediment contamination in Sitcum Waterway. However, the prior occupant of the property, Certain-Teed Products, did contribute to contamination of the sediments and may have also contaminated the onsite soils. Therefore, Pacific Coast Building Products, Inc. (as owner of the property) should remain on the PRP list.

FOLLOW-UP ACTIONS

1. Send Certain-Teed Corporation a general notice letter and request for information.

PACIFIC MARINE REPAIR

Parcel(s)	Address(es)
2275200750	2220 East 11th Street
2275200760	2220 East 11th Street

COMPLETENESS OF RESPONSE

The response does not provide insurance information or a complete list of prior owners and tenants.

ACCURACY OF RESPONSE AND EVALUATION

Tetra Tech's evaluation indicates that the current owners (b) (6) of Pacific Marine purchased the business in February 1988. It was determined in subsequent review that (b) (6) purchased 50 percent of Pacific Marine on 6 February 1986, and the remaining 50 percent was purchased by (b) (6) on 8 February 1988 (8.7.3.20.2-0001, p. 1).

ADDITIONAL PRPs IDENTIFIED

None.

RECOMMENDATION FOR DELETION

Pacific Marine Repair is currently located on a parcel that drains to Hylebos Waterway. There is no evidence that Pacific Marine has contributed to sediment contamination at their present location. However, Pacific Marine was located at 2202 E. 11th Street, which drains to Sitcum Waterway, for 3 years. This property was owned and occupied by William Drury Company. There is evidence that Pacific Marine and William Drury have contributed to sediment contamination in Sitcum Waterway. Therefore, Pacific Marine should remain on the list as a PRP for Sitcum Waterway.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenants at Sitcum Waterway site and which, if any, should receive a request for information.

2. Determine if Pacific Marine should be added to the PRP list for Hylebos Waterway.

SOUND BATTERY

Parcel(s)	Address(es)
2275200770	2310 East 11th Street

COMPLETENESS OF RESPONSE

Although Sound Battery has been in business since 1946, the current owners, (b) (6) (b) (6) have only owned it since 1978. Therefore, the response primarily addresses activities conducted by Sound Battery since the mid- to late-1970s. Insurance information is not provided. Most of the information regarding raw materials is not included in the response but will be made available to EPA through the law offices of Eisenhower, Carlson, Newlands et al.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate for the time period it covers.

ADDITIONAL PRPs IDENTIFIED

(b) (6)

Preco of Boise, ID

RECOMMENDATION FOR DELETION

PTI does not concur with Tetra Tech's recommendation that Sound Battery be deleted from the PRP list. Although the Dykmans state that they run a clean operation, three inspection reports from approximately 1986 indicate that problems existed. Also, very little historical information is known about the past operating practices of Sound Battery. PTI recommends retaining Sound Battery on the PRP list pending further investigation.

FOLLOW-UP ACTIONS

1. Send Preco a general notice letter and request for information.

2. Perform a site investigation to determine if site soils are contaminated.

SUBURBAN PROPANE

Parcel(s)	Address(es)
2275200840	1125 Thorne Road

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response and evaluation appear to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

RECOMMENDATION FOR DELETION

PTI concurs with Tetra Tech's recommendation that Suburban Propane be deleted from the PRP list.

WILLIAM DRURY COMPANY

Parcel(s)	Address(es)
2275200750	2220 East 11th Street
2275200760	2220 East 11th Street

COMPLETENESS OF RESPONSE

The response only addresses solvents used for cleaning parts. No mention is made of oils, acids, or other chemicals that may be used. In addition, no mention is made of the past practices of discharging "hot tank" (sodium hydroxide and sludges) to the storm drain. In general, the response discusses current practices only. There is no mention that Pacific Marine Repair was once a tenant on the property.

ACCURACY OF RESPONSE AND EVALUATION

The response evaluation states that the address is 2202 East 11th Street. The actual address is 2220 East 11th Street.

ADDITIONAL PRPs IDENTIFIED

Exxon Corporation

FOLLOW-UP ACTIONS

1. Request further information regarding chemical use and discharges.
2. Determine if Exxon Corporation should receive a request for information.

CHAMPION INTERNATIONAL CORPORATION

Parcel(s)	Address(es)
8950000440	11th & Canal Street
8950000523	801 Portland Avenue
8950000526	801 Portland Avenue
8950001260	1216 St. Paul Avenue

COMPLETENESS OF RESPONSE

Champion did not verify past ownership of parcels by parcel numbers (they provided legal descriptions only). Champion does not supply information relating to Questions 6-15, but references documents submitted by Simpson Tacoma Kraft. Also, Champion indicates that other materials are available for review if needed.

ACCURACY OF RESPONSE AND EVALUATION

The information provided appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Verify ownership of parcels by parcel number.
2. Determine if additional materials should be reviewed.

SIMPSON TACOMA KRAFT

Parcel(s)	Address(es)
8950000440	11th & Canal Street
8950000523	801 Portland Avenue
8950000526	801 Portland Avenue
8950001260	1216 St. Paul Avenue

COMPLETENESS OF RESPONSE

Simpson does not specifically address the questions in the request for information, but includes three documents that were prepared for the remedial activities that Simpson has undertaken. Answers to Questions 1-5 are not provided.

ACCURACY OF RESPONSE AND EVALUATION

Simpson did not provide information that requires evaluation for accuracy.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Request that Simpson submit a response to Questions 1-5 of the original request for information.

MARINE INDUSTRIES NORTHWEST, INC.

Parcel(s)	Address(es)
6375000011	313 East F Street

COMPLETENESS OF RESPONSE

Marine Industries does not provide complete tenant and owner information.

ACCURACY OF RESPONSE AND EVALUATION

Marine Industries claims that they do not use or generate hazardous substances. However, as Tetra Tech points out in their review, it is well documented that ship repair facilities do generate hazardous substances.

ADDITIONAL PRPs IDENTIFIED

Peterson Boat Building
Foss Launch & Tug (probably Foss Maritime)

FOLLOW-UP ACTIONS

1. Investigate claim that Marine Industries does not generate or use hazardous substances.

2. Investigate prior owners and tenants and determine which, if any, should be sent requests for information.

PAXPORT MILLS

Parcel(s)	Address(es)
8950000551	300 Middle Waterway

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

According to the database, Paxport is located on a 1.5-acre parcel. Paxport states that the property they are located on consists of 13 acres (8.7.5.5.2-0001, p. 1). Paxport states that the current lease with Simpson Tacoma Kraft covers more land than the original lease with Oregon-Washington Railroad and Navigation Company and Union Pacific Railroad (8.7.5.5.2-0001, p. 2).

ADDITIONAL PRPs IDENTIFIED

G. Andersen Fuel & Transfer Company
Friesen Lumber Company
Tide Lumber Company

RECOMMENDATION FOR DELETION

Tetra Tech recommends that Paxport be deleted from the PRP list because the ASARCO slag they deposited in Middle Waterway is not likely to be leaching copper or mercury (priority chemicals for Middle Waterway). However, several other companies are on the PRP list for their use of ASARCO slag. Because the slag contains copper and mercury, and because other PRPs are on the list for use of ASARCO slag, PTI does not concur with Tetra Tech's recommendation to delete Paxport Mills from the PRP list.

FOLLOW-UP ACTIONS

1. Determine why there is such a discrepancy about the number of acres owned.
2. Determine which, if any, of the prior owners and tenants should receive a request for information.

PUGET SOUND PLYWOOD

Parcel(s)	Address(es)
8950000610	220 East F Street
8950000630	230 East F Street
8950000640	230 East F Street

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

In the response for Question 1, Puget Sound Plywood states that they own 11.59 acres, but in the response for Question 3, they state that they own 12.09 acres. According to the database, Puget Sound Plywood owns approximately 12.4 acres.

ADDITIONAL PRPs IDENTIFIED

City of Tacoma
Northern Pacific Plywood
Foss Launch & Tug (probably Foss Maritime)

FOLLOW-UP ACTIONS

1. Determine which, if any, prior tenants and owners should receive a request for information.

2. Resolve discrepancy about the number of acres owned.

WASHINGTON BELT AND DRIVE SYSTEMS

Parcel(s)	Address(es)
4855000130	672 East 11th Street
4855000140	672 East 11th Street

COMPLETENESS OF RESPONSE

Washington Belt does not verify ownership of parcels or provide prior tenant and owner information. Washington Belt states that they do not handle any hazardous wastes, so they did not respond to Questions 6-13, 17, and 19.

ACCURACY OF RESPONSE AND EVALUATION

The information provided appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

RECOMMENDATION FOR DELETION

Tetra Tech has recommended that Washington Belt be deleted from the PRP list for Middle Waterway because they do not handle any hazardous materials. In addition, there is no documented evidence that Washington Belt has contributed to sediment contamination. PTI concurs with this recommendation. However, PTI recommends that the current land owners be sent a request for information in an effort to collect historical information.

FOLLOW-UP ACTIONS

1. Send current land owners a request for information.

WASHINGTON DEPARTMENT OF NATURAL RESOURCES

PTI was not able to evaluate DNR's response because the response is not in PTI's possession.

WESTERN MACHINE WORKS

Parcel(s)	Address(es)
4855000111	660 East 11th Street
4855000112	664 East 11th Street
4855000120	666 East 11th Street

COMPLETENESS OF RESPONSE

Western Machine does not provide information regarding historical operating practices. Tetra Tech contacted Arthur Schmitz, who has been associated with Western Machine for 63 years, but he was unable to describe past practices. Western Machine does not provide insurance information but is to submit this information when Western Machine receives it from their agent.

ACCURACY OF RESPONSE AND EVALUATION

The information provided appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Request historical information regarding operating practices.
2. Perform a site inspection to determine if site soils are contaminated.

BURLINGTON NORTHERN RAILROAD COMPANY

Parcel(s)	Address(es)
0320041028	Wheeler-Osgood Waterway

COMPLETENESS OF RESPONSE

Burlington Northern verifies that they own 1.38 acres at Wheeler-Osgood Waterway, but they do not verify the parcel number. Maps that have the property outlined in red and yellow were included with the response but PTI only received photocopies of the maps so the outlines were not discernable. Burlington Northern indicates that they will supplement lease information (8.7.6.12.-0001, p. 2). Burlington Northern does not supply historical information regarding this site. Burlington Northern does not provide insurance information, but states that their policies are available for review at their Ft. Worth, Texas office.

ACCURACY OF RESPONSE AND EVALUATION

Tetra Tech indicates that there are no fueling, repair, or other railroad facilities on this property. However, there are railroad tracks that Burlington Northern indicates they use to haul commodities to and from the property (8.7.6.1.2-0001, p. 6).

ADDITIONAL PRPs IDENTIFIED

None.

FOLLOW-UP ACTIONS

1. Obtain the prior tenant information that Burlington Northern is to submit.

2. Determine if this parcel is currently being used by Burlington Northern (real estate records indicate that the parcel is vacant). Request more detailed historical information from Burlington Northern.

NORTHWEST CONTAINER CORPORATION, INC.

Parcel(s)	Address(es)
0320045001	635 East 15th Street
0320045002	635 East 15th Street
0320045003	631 East 15th Street
0320045004	631 East 15th Street

COMPLETENESS OF RESPONSE

Northwest Container claims confidentiality on information regarding raw materials and sources of products used at their facility. PTI does not have this information, so it is not possible to evaluate the completeness and accuracy of this information. The remaining response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

Real estate records indicate that Western Plastics is the owner of this property. Premier Industries, the owner of Northwest Container, is the actual owner. Western Plastics was, or is, a division of Hepworth Ceramics, which previously owned the property. Premier Industries gives no indication that Western Plastics ever operated onsite.

ADDITIONAL PRPs IDENTIFIED

Hepworth Ceramics - Astroseal/Western Plastics
Western Realty Corporation
Clover Park Vocational Technical Institute
L.H. Bates Vocational Technical Institute

FOLLOW-UP ACTIONS

1. Determine previous owners of Northwest Container and send them requests for information.
2. Determine if other prior owners and tenants should be sent requests for information.
3. Determine if Western Plastics ever operated at this site.

RAINIER PLYWOOD

Parcel(s)	Address(es)
0320041001	624 East 15th Street
0320041005	624 East 15th Street
0320041021	1646 East J Street

COMPLETENESS OF RESPONSE

Rainier does not indicate from whom they purchased Parcel 0320041001. Rainier does not indicate prior tenants for Parcels 03200041001 and 03200041005. Rainier does not supply a list of prior owners of Rainier Plywood.

ACCURACY OF RESPONSE AND EVALUATION

Rainier claims ownership of all three parcels listed in the database but states that Parcel 0320041021 is not located on D Street as indicated in the database. Rainier does not indicate the correct address.

ADDITIONAL PRPs IDENTIFIED

Burlington Northern Railroad Company
Northwestern Improvement Company
Griffen-Galbraith Fuel Company
Metropolitan Development Counsel
Baxter Manufacturing Company'
Orepac Building Products, Inc.
Bag Shoppe, The
Pamelin Industries, Inc.
Will Wood Prefit, Inc.
P.T.L. Customizing & Accessories Company
Farwest Plywood Company
Totem Plywood Company
Signal Oil (now Chevron)

Tetra Tech recommends that only plywood companies be sent general notice letters.

FOLLOW-UP ACTIONS

1. Determine prior owners and tenants of Parcel 0320041001.
2. Determine prior tenant of Parcel 0320041005.
3. Determine which prior tenants and owners should be sent a request for information.
4. Determine the correct address of Parcel 0320041001.

HARMON FURNITURE/HARMON CABINETS

Parcel(s)	Address(es)
8950001870	1933 Dock Street

COMPLETENESS OF RESPONSE

The response for Harmon Furniture was submitted by Brandrud Furniture because Brandrud owns Harmon Furniture. (This response has been stamped as 8.7.7.2-0001, which is the number assigned to Coastcraft according to the Administrative Record Table of Contents. The number assigned to Harmon Furniture is 8.7.7.7-0001.) The response addresses only the time period that Brandrud has occupied the site as Harmon Furniture (i.e., 1986-present).

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate. The evaluation, however, indicates that Brandrud purchased Harmon Cabinets on 10 September 1964. This is not correct. Brandrud acquired the assets of Harmon Cabinets and the Harmon name on 5 September 1986 (8.7.7.7-0001 p. 2).

ADDITIONAL PRPs IDENTIFIED

None.

RECOMMENDATION FOR DELETION

Tetra Tech recommends that Harmon Furniture/Brandrud be deleted from the PRP list because it does not appear that Brandrud (dba Harmon Furniture) has contributed to sediment contamination in City Waterway. PTI does not agree with this recommendation. Harmon Cabinets has been identified as a contributor to sediment contamination. It is possible that Brandrud may be held responsible for actions of Harmon Cabinets and Harmon Furniture.

FOLLOW-UP ACTIONS

1. Obtain historical information about Harmon Cabinets.

MARINE IRON WORKS

Parcel(s)	Address(es)
8950001070	1118 East D Street
8950001080	1148 East D Street

COMPLETENESS OF RESPONSE

Marine Iron does not provide information about historical practices.

ACCURACY OF RESPONSE AND EVALUATION

According to real estate records, Hervey Petrich owns 2.5 acres. Marine Iron Works occupies approximately 2 of the 2.5 acres owned by Petrich. Tetra Tech has indicated that Petrich Marine Charters and Drury and Petrich, Inc. occupy the remaining 0.5 acres. The response does not state that Petrich Marine and Drury and Petrich occupy the same parcel, only that they are located next to Marine Iron Works.

ADDITIONAL PRPs IDENTIFIED

Petrich Marine Charters
1118 East D Street
Drury and Petrich, Inc.

FOLLOW-UP ACTIONS

1. Determine if Petrich Marine Charters and Drury and Petrich, Inc. occupy the same parcel as Marine Iron Works, and, if so, should they receive a request for information.

2. Request response relating to historical practices and/or spills.

OLYMPIC CHEMICAL CORPORATION

Parcel(s)	Address(es)
895000980	1002 East D Street

COMPLETENESS OF RESPONSE

Olympic Chemical lists several lessees of storage tanks located on the property but does not indicate how long the tenants have leased the tanks. Olympic Chemical also does not indicate the capacity of the tanks or the total number of tanks located on the property.

ACCURACY OF RESPONSE AND EVALUATION

Olympic Chemical indicates that there have been no environmental investigations of the property, but Ecology records indicate that several inspections have been conducted on the property since Olympic Chemical purchased it. The timeline outlined in Tetra Tech's evaluation in the Facility Description and Location section requires clarification. The owner, lessees, and sublessees (except Olympic Chemical) were associated with the property prior to 1976. The header in Tetra Tech's evaluation should have indicated that Olympic Chemical is associated with City Waterway rather than Sitcum Waterway.

ADDITIONAL PRPs IDENTIFIED

Pacific Northern Oil
Boeing
Seattle Metro
Sound Energy
Crown Petroleum
Marine Industries
Ethanol Mkt.
Conan
Woodworth
Crosby & Overton
Puget Sound Oil
Burlington Northern Railroad

FOLLOW-UP ACTIONS

1. Determine which, if any, prior tenants and owners should receive a request for information.

OREGON-WASHINGTON RAILROAD AND NAVIGATION COMPANY

See Union Pacific Railroad Company under Middle Waterway.

PARKER PAINT

Parcel(s)	Address(es)
4860000420	3302 S. Junett
4860000430	3326 S. Junett
4860000440	S. Junett
4860000460	3302 S. Junett
4860000480	3101 S. Tacoma Way

COMPLETENESS OF RESPONSE

Parker Paint does not supply prior tenant and owner information.

ACCURACY OF RESPONSE AND EVALUATION

The response evaluation indicates that Parker Paint owns 4.3 acres at 3226 S. Junett Street. This is not accurate. According to real estate records, Parker Paint owns no property located at 3226 S. Junett Street, but does own 0.33 acres at 3326 S. Junett Street. Parker Paint also owns four other parcels located on S. Junett and S. Tacoma Way. The five parcels total 4.14 acres.

ADDITIONAL PRPs IDENTIFIED

Johnson Paint Company
Standard Iron Works

FOLLOW-UP ACTIONS

1. Determine all prior owners and tenants and which, if any, should receive a request for information.

PICKERING INDUSTRIES/PICK'S COVE MARINA

Parcel(s)	Address(es)
8950001610	1940 East D Street
8950001621	1930 East D Street
8950001623	1930 East D Street
8950001740	1930 East D Street
8950001750	1930 East D Street

COMPLETENESS OF RESPONSE

The response does not confirm the total number of acres owned by Pickering Industries.

ACCURACY OF RESPONSE AND EVALUATION

According to real estate records, Pickering Industries owns five parcels located at 1930 and 1940 East D Street that total 10.75 acres. Pickering Industries indicates that the acreage is wrong, but does not indicate the correct acreage. Tetra Tech indicates in their evaluation that Pickering owns a total of 2.3 acres, half of which are leased to Pick's Cove Marina. It is not clear where Tetra Tech obtained this information.

ADDITIONAL PRPs IDENTIFIED

Ross Lumber Company of Tacoma
Foss Tug Company/Foss Dillingham
Washington/Bellingham Corporation
Northwest Design Products (Big Toys)

FOLLOW-UP ACTIONS

1. Resolve question regarding number of acres owned by Pickering.

2. Determine which prior owners and tenants, if any, should receive a request for information.

SUPERIOR OIL

Parcel(s)	Address(es)
8950000661	250 East D Street

COMPLETENESS OF RESPONSE

The response appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response appears to be accurate.

ADDITIONAL PRPs IDENTIFIED

Tidewater Associated Oil Company
Phillips Petroleum
Puget Sound Plywood
Northwestern Petroleum, Inc.

FOLLOW-UP ACTIONS

1. Determine which prior owners and tenants, if any, should receive a request for information.

WASHINGTON DEPARTMENT OF NATURAL RESOURCES

PTI is unable to evaluate this response because it is not in PTI's possession.

WOODWORTH & COMPANY, INC.

Parcel(s)	Address(es)
8950001060	1200 East D Street
8950001200	1200 East D Street

COMPLETENESS OF RESPONSE

The response, supplemented by a telephone interview by Tetra Tech with J. Woodworth, appears to be complete.

ACCURACY OF RESPONSE AND EVALUATION

The response and evaluation appear to be accurate.

ADDITIONAL PRPs IDENTIFIED

Puget Sound Iron and Steel Works
Tacoma Granite Company

FOLLOW-UP ACTIONS

1. Determine if the prior owners and tenants should receive a request for information.

PRELIMINARY EVALUATIONS OF 104(e) RESPONSES NOT REVIEWED BY TETRA TECH

AIRO SERVICES, INC.

Mailing address: 4110 East 11th Street
Tacoma, WA

Contact:

Attorney:

Parcel(s)	Address(es)
0321262062	4110 East 11th Street
0321262136	4110 East 11th Street

PRP Status: *YES*

Basis for Classification: Past disposal practices and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Cyanide wastes and acids (062).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Airo Services.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Airo Services	--		X	REIL
Camp Manufacturing	1950s	--		062

Owner/Address	Dates Beginning	Dates End	Current	Reference
Airo Services, Inc.	--		X	REIL
(b) (6)	1970	--		062

Follow-Up Actions

1. Review 104(e) response when received.

AK-WA, INC.

Mailing address: 401 Alexander Avenue
Building 588
Tacoma, WA 98421

Contact: Rocky Becker, QA/Safety Director
206-272-0108

Parcel(s)	Address(es)
2275200010	401 Alexander Avenue Building 588

PRP Status: *MAYBE*

Basis for Classification: Past and present land use may have impacted Hylebos Waterway via surface water runoff or direct discharge.

Environmental Information

This site has been used for new ship construction and ship repair for 70 years (CB/NT 8.7.2.1.2-0002 pg. 2).

Potential Contaminants—Zinc oxide, resins, xylene, toluene, vinyl enamel, ketones, 2-butanone, benzene, hydrocarbon solvents, lubricating oils, copper smelting slag, and nickel slag abrasive (8.7.2.1.2-0002).

Sources—Unknown, but possibly contaminated soil.

Pathways/Management Practices—3,000-gallon spill of diesel fuel into Hylebos Waterway. Surface water runoff into storm drains. (8.7.2.1.2-0002)

104(e) Response Status

Completeness—AK-WA does not provide insurance information. AK-WA states in response to Question 17 (regarding records indicating the use, treatment, storage, or disposal of hazardous substances) that their records and files are available for EPA inspection if needed.

Accuracy—According to real estate records, AK-WA occupies Parcel 2275200010, which includes 74 acres. AK-WA explains in their response that this parcel is owned by Port of Tacoma and has several tenants all having the same address (i.e., 401 Alexander Avenue). The tenants are distinguished only by the building or site number they occupy. At the time of their response, AK-WA occupied a total of 8.6 acres of Parcel 2275200010. This amount was to be reduced to 4 acres by the end of 1989. Although AK-WA indicates that Tacoma Boatbuilding and Pacific Marine Repair occupied Building 588, Tacoma Boatbuilding and Pacific Marine Repair do not acknowledge that they occupied Building 588.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
AK-WA, Inc.	1985		X	8.7.2.1.2-0002 p. 2
Tacoma Boatbuilding Co.	--	--		8.7.2.1.2-0002 p. 2
Zidell Marine	--	--		8.7.2.1.2-0002 p. 2
Pacific Marine Repair	--	--		8.7.2.1.2-0002 p. 2
Marine Industries	--	--		8.7.2.1.2-0002 p. 2
Coast Engines	--	--		8.7.2.1.2-0002 p. 2
Kiewit Construction	--	--		8.7.2.1.2-0002 p. 2
Todd Pacific Shipyard	1917	1925		8.7.2.1.2-0002 p. 2
	1939	1948		8.7.2.62.2-0002 p. 7
U.S. Naval Station	1939	1950s		8.7.2.62.2-0002 p. 7

Owner/Address	Dates Beginning	Dates End	Current	Reference
Port of Tacoma	--		X	8.7.2.1.2-0002 p. 2
U.S. Navy	3/12/48	--		8.7.2.62.2-0002A p. 6, Unnumbered response
Todd Shipyards	--	3/12/48		8.7.2.62.2-0002A p. 6, Unnumbered response

Follow-Up Actions

1. Determine if the tenants listed by AK-WA occupied Building 588 and which, if any, should be sent a request for information.

2. Determine whether contaminants in site soils are running off through storm drains.

AOL EXPRESS, INC.

Mailing address: 2000 Taylor Way
Tacoma, WA 98421

Contact: Thomas W. Roberts
206-627-2858

Attorney: Schweppe, Krug & Tausend, P.S.
800 Waterfront Place
1011 Western Avenue
Seattle, WA 98104

Anthony Shapiro
206-223-1600

Parcel(s)	Address(es)
0321263035	2000 Taylor Way
0321351046	3401 Lincoln Avenue

PRP Status: *MAYBE*

Basis for Classification: The old Buffelen Woodworking operation was located on Parcel 0321263035 adjacent to the ChemPro and Poligen sites on Alexander Avenue. Parcel 0321351046 contains onsite metals, pentachlorophenol, and formaldehyde contamination. Proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Pentachlorophenol, metals, formaldehyde (062).

Sources—Woodworking plant previously at site. Contaminants disposed of in sawdust piles or piles directly on soil near bank (062).

Pathways/Management Practices—Recent drainage ditch to storm drain, empties into Blair. Also surface water runoff to Hylebos Waterway. Contaminated soil (147).

104(e) Response Status

Completeness—Insurance information is not provided, but is to be submitted upon receipt from AOL's insurance carrier. Ownership of property is not verified by parcel number. A partial list of owners is provided, but AOL does not indicate which owners are associated with which parcel. AOL does not clarify if prior tenants also owned the parcels.

Accuracy—According to real estate records, AOL owns two parcels. AOL indicates that the property is subdivided into seven parcels and provides legal descriptions for the seven parcels. It is not clear if these seven parcels are collectively the two parcels listed above. In addition, AOL provides ownership history for the properties they own, but does not specify which parcels were owned by whom. There is also conflicting information regarding AOL's ownership of the parcels. AOL initially states they purchased the property that their business is currently located on (presumably Parcel 0321263035 at 2000 Taylor Way) in November 1982, but later in the response, AOL indicates that the property was purchased in September 1982.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
AOL Express	7/17/88		X	8.7.2.16.2-0002 p. 2
Gateway Consolidators	8/83	7/14/88		8.7.2.16.2-0002 p. 2
J.B. Gottstein & Co., Inc./ Carr Gottstein	11/82		X	8.7.2.16.2-0002 p. 2
Lindal Cedar Homes	--	9/15/82		8.7.2.16.2-0002 p. 2
Mutual Fir Column Company	--	--		8.7.2.16.2-0002 p. 2
Buffelen Woodworking (0321351046)	1972	11/16/82		8.7.2.9.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
AOL Express	7/88		X	8.7.2.16.2-0002 p. 2
	1982	8/5/83		8.7.2.16.2-0002 p. 2
Gateway Consolidators	8/5/83	7/88		8.7.2.16.2-0002 p. 2
Educators Manufacturing	--	--		8.7.2.9.2-0002 p. 3
(b) (6)	--	--		8.7.2.9.2-0002 p. 3
E.F. Hausman Company	--	--		8.7.2.9.2-0002 p. 3
Mutual Fir Column Company	--	--		8.7.2.9.2-0002 p. 3
Steamers Service Company	--	--		8.7.2.9.2-0002 p. 3
WWB, Inc.	--	--		8.7.2.9.2-0002 p. 3
Rothschild Washington Stevedoring Co.	--	--		8.7.2.9.2-0002 p. 3
Buffelen Woodworking (0321351046)	1972	11/16/82		8.7.2.9.2-0002 p. 3
Hauserman Inc. (Educators Division)	--	1972		8.7.2.9.2-0002 p. 3

Follow-Up Actions

1. Resolve the questions regarding prior owners and tenants and AOL's dates of ownership.

2. Determine whether or not surface water runoff goes to Hylebos Waterway.

B & L TRUCKING

Mailing address: Executive Bark, Inc.
1621 Marine View Drive
Tacoma, WA 98422

Contact: Camille Fjetland
206-272-5656

Attorney: Geoffrey Cross
252 Broadway
Tacoma, WA
206-272-8998

Parcel(s)	Address(es)
0420053065	Unknown
0421313048	1621 Marine View Drive

PRP Status: *YES* - Parcel 0420053065
MAYBE - Parcel 0421313048

Basis for Classification: Onsite disposal of potentially hazardous materials and elevated levels of metals in downstream runoff at Parcel 0420053065.

Environmental Information

Potential Contaminants—Arsenic, antimony, cadmium, lead, nickel, and zinc (096).

Sources—Landfill leachate and contaminated soil (096).

Pathways/Management Practices—Leachate drains via groundwater and Surprise Lake drains to Hylebos Creek (095).

104(e) Response Status

Completeness—The response primarily addresses Parcel 0420053065 (the site of the landfill). The response does indicate that Parcel 0421313048 is being used by Executive Bark and the Fjetlands for a home, an office, and a gravel pit.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Parcel 0420053065

Tenant/Address	Dates Beginning	Dates End	Current	Reference
B & L Landfill	1978	1982		Unnumbered response

Owner/Address	Dates Beginning	Dates End	Current	Reference
Executive Bark 1621 Marine View Drive Tacoma, WA 98422	mid-1980s		X	Unnumbered response
Fjetland, William c/o Camille Fjetland 1621 Marine View Drive Tacoma, WA 98422	1977	mid-1980s		Unnumbered response
Chervenka, Francis	--	1977		Unnumbered response

Follow-Up Actions

1. Request information about Parcel 0421313048.
2. Determine contributors to landfill and which, if any, should receive a request for information.

Additional PRPs

Eagle Trucking (owned by Fjetland).

BABET FINANCIAL COMPANY, INC.

Mailing address: 154 Corral de Tierra Road
Salinas, CA 93908

Contact: Bruce B. Breiholz
408-484-2111

Parcel(s)	Address(es)
0321264056	2218 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

See Modutech Marina's response.

Potential Contaminants—No information provided by Babet.

Sources—No information provided by Babet.

Pathways/Management Practices—No information provided by Babet.

104(e) Response Status

Completeness—This response is inadequate. Babet does not provide prior tenant or ownership information. Babet references Modutech's response for Questions 4-15.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Modutech Marine	5/83		X	8.7.2.5.2-0001A p. 1
Marine Technical Services, Inc.	--	--		8.7.2.5.2-0001A p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Babet Fund III 154 Corral de Tierra Road Salinas, CA 93908	1979		X	8.7.2.5.2-0001 p. 2
(b) (6) P.O. Box 428 Montesano, WA 98563	--	--		8.7.2.5.2-0001A p. 1

Follow-Up Actions

1. Determine prior owners and tenants and which, if any, should receive a request for information.

BRAZIER FOREST PRODUCTS

Mailing address: Brazier Forest Industries
P.O. Box 99945
Tacoma, WA 98499

Contact: Kent L. Johnson, Senior V.P. and Chief Operating Officer
206-584-1575

Attorney: Garvey, Schubert & Barer
1011 Western Avenue
Seattle, WA 98104-1023

Thomas M. Kilbane, Jr.
206-464-3939

Parcel(s)	Address(es)
0321263014	1501 Taylor Way
0321263031	1501 Taylor Way
0321263032	1501 Taylor Way

PRP Status: *YES*

Basis for Classification: Past discharges of contaminants to soils and surface soils and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Copper, zinc, nickel, chromium, cadmium, lead, mercury, arsenic, and barium (8.7.2.7.2-0001, p. 148). Sulfides and pulp mill wastes (historical) (062).

Sources—Leaky vats of unknown liquids and contaminated soils (8.7.2.7.2-0001).

Pathways/Management Practices—Surface water runoff and possibly groundwater (8.7.2.7.2-0001).

104(e) Response Status

Completeness—Brazier did not respond to Questions 6-9, stating that Brazier Industries has never occupied or operated at this site.

Accuracy—Brazier Industries states that they have never occupied this site, but according to a Hart Crowser report that is attached to the response as Exhibit B, Brazier Forest Products leased the site from approximately 1982-1985 and operated a log sort yard. Brazier Industries states that Brazier Forest Products is a wholly-owned subsidiary of Brazier Industries.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Chemical Processors, Inc.	1986		X	8.7.2.7.2-0002 p. 3
Brazier Forest Products Brazier Forest Industries P.O. Box 99945 Tacoma, WA 98499	1982	1985		8.7.2.7.2-0002 p. 3
Engineered Products	1968	1970		8.7.2.7.2-0002 p. 3
Sierra Sandblasting and Paint Co.	1968	1970		8.7.2.7.2-0002 p. 3
Keller's Sandblasting and Gunite Const.	1966	1968		8.7.2.7.2-0002 p. 3
Allied Building Components	1962	1965		8.7.2.7.2-0002 p. 3
Architectural Woods, Inc.	1958	1965		8.7.2.7.2-0002 p. 3
Chemical Process Company	1956	1960		8.7.2.7.2-0002 p. 3
Rayonier	1940	--		8.7.2.7.2-0002 p. 3
Shaffer Pulp	1928	1932		8.7.2.7.2-0002 p. 3
Shaffer Box	1921	1928		

Owner/Address	Dates Beginning	Dates End	Current	Reference
Taylor Way Properties, Inc. Park 90/5, Suite 400 2203 Airport Way S. Seattle, WA 98134 206-223-0500	6/30/88		X	8.7.2.59.2-0001 p. 1
Taylor Way Investment Corp. (now Taylor Way Properties, Inc.)	4/30/86	6/30/88		8.7.2.59.2-0001 p. 1
Brazier Forest Products Brazier Forest Industries P.O. Box 99945 Tacoma, WA 98499	4/26/85	4/30/86		8.7.2.7.2-0002 p. 2
(b) (6)	1974	4/26/85		8.7.2.7.2-0002 p. 2,4
Busy Bee Industries	1970	1974		8.7.2.7.2-0002 p. 4
Hylebos Properties, Inc.	1965	1970		8.7.2.7.2-0002 p. 3
Puget Sound National Bank	1954	1956		8.7.2.7.2-0002 p. 3
Powdered Metals, Inc.	1953	1954		8.7.2.7.2-0002 p. 3
Tacoma Powdered Metals	1946	1953		8.7.2.7.2-0002 p. 3
Centennial Flouring Mills	1944	1944		8.7.2.7.2-0002 p. 3
Bagley & Sewall	1943	1943		8.7.2.7.2-0002 p. 3
Rayonier, Inc.	1936	1942		8.7.2.7.2-0002 p. 3
Shaffer Pulp Company	1928	1935		8.7.2.7.2-0002 p. 3
Shaffer Box Company	1921	1928		8.7.2.7.2-0002 p. 3

Follow-Up Actions

1. Determine which prior owners and tenants, if any, should receive a request for information.

2. Request information regarding Brazier Forest Products log sort yard operation.

(b) (6)

Mailing address: 2930 Marine View Drive
Tacoma, WA 98422

Contact: (b) (6)

Parcel(s)	Address(es)
0321262022	2930 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Paints, lacquers, enamels, primers, thinners, sealers, and adhesives (8.7.2.8.2-0002).

Sources—Washwater (8.7.2.8.2-0002).

Pathways/Management Practices—Storm drain (8.7.2.8.2-0002).

104(e) Response Status

Completeness—Information regarding prior tenants is not provided.

Accuracy—(b) (6) states that he occupies one-half of the building that The Dent Doctor occupies. He further states that he and (b) (6) (owner of The Dent Doctor) built the shop they are currently located in and that Ken's (b) (6) business) started operations in 1984. (b) (6) (b) (6) states in his response that he moved to his current location in 1982. It is not clear whether The Dent Doctor occupied the entire building from 1982-84 or if the dates have been inaccurately reported.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Ken's	1984		X	8.7.2.8.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6) [redacted] 2930 Marine View Drive Tacoma, WA 98422	1984		X	8.7.2.8.2-0002 p. 1
(b) (6) [redacted]	--	1984		8.7.2.8.2-0002 p. 1

Follow-Up Actions

1. Resolve dates of occupancy of The Dent Doctor and Ken's at the building in which they are currently located.

2. Determine if there have been prior tenants and if they should receive a request for information.

3. Perform a site investigation to determine if surface drainage pathways and sources are significant.

CENEX

Mailing address: 200 West Mercer Street
Suite 305
Seattle, WA 98119

Contact: None given.

Attorney: Ogden, Murphy & Wallace
2100 Westlake Center Tower
1601 Fifth Avenue
Seattle, WA 98101-1686

William F. Joyce
206-447-7000

Parcel(s)	Address(es)
0321264008	1801 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Property is located on Hylebos Waterway and may be contaminated by past land use.

Environmental Information

Potential Contaminants—Oil and petroleum wastes, zinc (8.7.2.10.2-0002), and wood treatment wastes from Buffelen Woodworking (062).

Sources—Possibly contaminated soil.

Pathways/Management Practices—Surface water runoff to Hylebos Waterway through catch basins (8.7.2.10.2-0002).

104(e) Response Status

Completeness—Cenex indicates that some of their property may be submerged into Hylebos Waterway, but it is not stated conclusively.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Land O'Lakes/CENEX Food, Inc.	1/1/87		X	8.7.2.10.2-0002 p. 1
Ryder Truck Rentals P.O. Box 58128 Tukwila, WA 98138	1/87		X	8.7.2.10.2-0002 p. 1
CENEX Ag., Inc. 200 West Mercer Street, Suite 305 Seattle, WA 98119	4/19/82	1/1/87		8.7.2.10.2-0002 p. 1
SeaLite Products 2833 NW 72nd Seattle, WA 98107	1985	1985		8.7.2.10.2-0002 p. 2
Ballard Seafood, Inc. 2313 1/2 NW Market Street Seattle, WA 98107	1984	1984		8.7.2.10.2-0002 p. 2
Mermaid Industries	1982	1984		8.7.2.10.2-0002 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
CENEX Agriculture, Inc. 200 West Mercer Street, Suite 305 Seattle, WA 98119	4/19/82		X	8.7.2.10.2-0002 p. 1
Western Farmers Association c/o Michael Wickstead Ogden, Murphy & Wallace 2100 Westlake Center Tower 1601 Fifth Avenue Seattle, WA 98101-1686	1946	4/19/82		8.7.2.10.2-0002 p. 1

Follow-Up Actions

1. Determine which prior tenants and owners, if any, should receive a request for information.

2. Determine which contaminants, if any, are actually present at this site.

COSKI, BERNARD

Mailing address: 5323 12th Street NE
Tacoma, WA 98422

Contact: Bernard Coski

Parcel(s)	Address(es)
0000000003	5403 Pendle Lange Road

PRP Status: *YES*

Basis for Classification: Site has been used for illegal disposal of potentially hazardous materials. Runoff drains to Hylebos Creek.

Environmental Information

Potential Contaminants—DDT, clay filter material, paints, petroleum products, possible PCBs, solvent sludges, phenols, PAHs, and VOCs (149, 150, 151, 152, 097).

Sources—Landfill leachate (149).

Pathways/Management Practices—Surface water drains to Hylebos Creek (149).

104(e) Response Status

Completeness—Coski does not indicate when he purchased the land. Coski indicates that he runs other businesses but does not state what they are. Overall, the response is very brief and provides little information.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates		Current	Reference
	Beginning	End		
Coski Landfill	1965	1983		8.7.2.13.2-0001 (Coski Landfill)

Owner/Address	Dates Beginning	Dates End	Current	Reference
Coski, Bernard 5323 12th Street NE Tacoma, WA 98422	--		X	8.7.2.13.2-0001 (Coski Landfill)
U.S. Government	--	--		8.7.2.13.2-0001 (Coski Landfill)
(b) (6)	--	--		8.7.2.13.2-0001 (Coski Landfill)

Follow-Up Actions

1. Resubmit request for information requiring more specific and detailed responses.

DENT DOCTOR, THE

Mailing address: 2928 Marine View Drive
Tacoma, WA 98422

Contact: (b) (6)
206-272-6344

Parcel(s)	Address(es)
0321262087	2928 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Present land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Paints, paint thinners, enamel, lacquer, sealers (8.7.2.60.2-0001).

Sources—Unknown.

Pathways/Management Practices—Unknown.

104(e) Response Status

Completeness—Information regarding prior tenants is not provided.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Dent Doctor, The 2928 Marine View Drive Tacoma, Wa 98422	9/82		X	8.7.2.60.2-0002 p. 1
SF Dwell	--	--		REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6) 2928 Marine View Drive Tacoma, WA 98422	9/82		X	8.7.2.60.2-0002 p. 1
(b) (6)	--	9/82		8.7.2.60.2-0002 p. 1

Follow-Up Actions

1. Determine prior tenants and owners and which, if any, should receive a request for information.

2. Perform a site investigation to determine if any sources or pathways exist.

DUNLAP TOWING COMPANY

Mailing address: P.O. Box 593
LaConner, WA 98527

Contact: H.M. Harlan, V.P.
206-466-3114

Parcel(s)	Address(es)
Unknown	3009 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Site has been used as a log sort yard and runoff may have impacted Hylebos Waterway.

Environmental Information

Potential Contaminants—Arsenic (8.7.2.14.2-0001).

Sources—ASARCO slag used as ballast (8.7.2.14.2-0001).

Pathways/Management Practices—Leachate or surface water runoff into Hylebos Waterway.

104(e) Response Status

Completeness—Dunlap does not verify occupancy by parcel number.

Accuracy—According to real estate records, Dunlap occupies land at 2901 Taylor Way. Dunlap states that they have only occupied land at 3009 Taylor Way. The database does not contain any parcels that coincide with 3009 Taylor Way. Pennwalt is the owner of the 70-acre parcel located at 2901 Taylor Way, and in their response, Pennwalt indicates that they also own property located at 3009 Taylor Way that has been leased to various companies. Pennwalt does not provide parcel numbers in their response.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Echo Lumber Company 18119 50th Avenue E. Tacoma, WA 206-847-0073	8/1/84	9/86		8.7.2.43.2-0002 p. 6
Dunlap Towing Company P.O. Box 593 LaConner, WA 98257	1/1/79	11/1/83		8.7.2.43.2-0002 p. 6 8.7.2.14.2-0001 p. 1
Portac/West Coast Lumber Operations Company 4215 East West Road Tacoma, WA 98421	11/1/78	11/1/83		8.7.2.43.2-0002 p. 6
West Coast Orient Lumber Mill	10/24/77	10/31/78		8.7.2.43.2-0002 p. 6
Johnson-Byers, Inc. c/o Goodwin-Johnson Ltd. P.O. Box 82217 North Burnaby, B.C., Canada V5C 5P7	1/1/67	12/31/77		8.7.2.43.2-0002 p. 6
Balfour Guthrie & Company, Ltd.	7/1/64	12/31/86		8.7.2.43.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
Pennwalt Corporation Pennwalt Building Three Parkway Philadelphia, PA 19102-1389	4/57		X	8.7.2.43.2-0002 p. 6
Milwaukie Boom Company (merged with Foss Tug & Barge)	--	4/57		8.7.2.43.2-0002 p. 6

Follow-Up Actions

1. Investigate 3009 Taylor Way to ascertain parcel number(s) and determine if the property is currently occupied.

2. Investigate prior owners and tenants to determine which, if any, should receive a request for information.

FLETCHER OIL COMPANY

Mailing address: F.O. Fletcher, Inc.
471 N. Curtis Road
Boise, ID 83706

Contact: Peter L. Hirschburg, President

Parcel(s)	Address(es)
2275200510	709 Alexander
2275200520	709 Alexander

PRP Status: *YES*

Basis for Classification: Past operations and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Diesel fuel and gasoline (8.7.2.15.2-0001).

Sources—Storage tanks and pipelines and possible contaminated soil (8.7.2.15.2-0001, p. 153).

Pathways/Management Practices—Groundwater, direct runoff, and possible spills (153).

104(e) Response Status

Completeness—Fletcher Oil does not provide dates of occupancy for some tenants.

Accuracy—According to the U.S. Navy's response, Fletcher Oil was located at this site as early as the 1940s (Unnumbered response). Fletcher Oil indicates that they first occupied the site in 1967.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
PRI Northwest, Inc. (Pacific Resources)	7/79	1983		8.7.2.40.2-0004 p. 2
Fletcher Oil Company (Fletcher, Inc. 741 N. Curtis Road Boise, ID 83706)	1967	1/16/79		8.7.2.15.2-0001 p. 3
Tesoro Petroleum, Inc.	5/30/70	1978		8.7.2.15.2-0001 p. 2
United Independent Oil Co., Inc.	1972	1974		8.7.2.15.2-0001 p. 2 8.7.2.40.2-0004 p. 2
Puget Sound Tug & Barge Co.	--	--		8.7.2.15.2-0001 p. 4
All Alaskan Seafood	--	--		8.7.2.40.2-0004 p. 2
Washington Marine Services	--	--		8.7.2.40.2-0004 p. 2
Faustug Marine	--	--		8.7.2.40.2-0004 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
PRI Northwest, Inc. P.O. Box 3379 Honolulu, HI 96842	1/16/79		X	8.7.2.40.2-0004 p. 2
F.O. Fletcher, Inc. 471 N. Curtis Road Boise, ID 83706	1/9/67	1/16/79		8.7.2.15.2-0001 p. 3
Fletcher Oil Company	1938	1/9/67		8.7.2.15.2-0001 p. 3
(b) (6)	--	1938		8.7.2.15.2-0001 p. 2

Follow-Up Actions

1. Investigate prior tenants and owners and determine which, if any, should receive a request for information.

2. Determine when Fletcher Oil first occupied the site.

3. Conduct a site investigation to determine if soils or groundwater are contaminated.

GATEWAY CONSOLIDATORS

(SEE AOL EXPRESS)

(b) (6)

(SEE WESTERN ENGINEERING)

(b) (6)

Mailing address: (b) (6)
Tacoma, WA 98466

Contact: (b) (6)

Parcel(s)	Address(es)
0321262140	3001 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Past land use and proximity to Hylebos Waterway.

Environmental Information

This site was previously occupied by (b) (6) who may have operated a welding shop onsite.

Potential Contaminants—No information is provided by Huke.

Sources—No information is provided by Huke.

Pathways/Management Practices—No information is provided by Huke.

104(e) Response Status

Completeness—Huke does not provide environmental information or prior owner and tenant information about this site.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Cascade Custom Covers	4/86		X	8.7.2.19.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	4/86		X	8.7.2.19.2-0001 p. 1
	--	4/86		REIL

Follow-Up Actions

1. Determine (b) (6) whereabouts and send a second general notice letter and request for information.

2. Determine prior owners and tenants and which, if any, should receive a request for information.

3. Obtain and evaluate environmental information.

J&G INVESTMENTS

Mailing address: 4812 East 64th Street
Tacoma, WA 98443

Contact:

Attorney:

Parcel(s)	Address(es)
0321364022	1690 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Lacquer and paint thinner, toluene, and acetone contaminated with paints (8.7.2.22.2-0001).

Sources—None identified.

Pathways/Management Practices—Surface water runoff and storm drains (8.7.2.22.2-0001).

104(e) Response Status

A 104(e) request for information response has not been received from J&G Investments.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Jones-Goodell Corporation	1976		X	8.7.2.22.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
J&G Investments 4812 East 64th Street Tacoma, WA 98443	1976		X	8.7.2.22.2-0001 p. 2
Jones Goodell Shipbuilding 1690 Marine View Drive Tacoma, WA 98422	1968	1976		8.7.2.22.2-0001 p. 2
Port of Tacoma	--	1968		8.7.2.22.2-0001 p. 2

Follow-Up Actions

1. Review 104(e) response when received.

JONES CHEMICALS

Mailing address: 80 Munson Street
LeRoy, NY 14482

Contact: Benson J. Davis, Environmental Manager
716-768-6281

Parcel(s)	Address(es)
0321362049	1919 Marine View Drive

PRP Status: *YES*

Basis for Classification: History of washdown related to releases of contaminants into nearby ditch.

Environmental Information

Potential Contaminants—Chlorine, ammonia, sulfur dioxide, sodium hydroxide, sodium hypochlorite, and hydrochloric acid (8.7.2.21.2-0001).

Sources—Rinsing of product drums in an area that drains to a leaking sump (8.7.2.21.2-0001).

Pathways/Management Practices—Surface water drainage ditch (8.7.2.21.2-0001).

104(e) Response Status

Completeness—Jones Chemicals does not provide prior tenant information.

Accuracy—According to real estate records, the parcel is 0.372 acres. Jones Chemicals states that the correct size is 4.2 acres.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Jones Chemicals	1974		X	8.7.2.21.2-0001 p. 1
Woodworth & Company 1200 East D Street Tacoma, WA 98421	--	1974		062

Owner/Address	Dates Beginning	Dates End	Current	Reference
Jones Chemicals, Inc. 80 Munson Street LeRoy, NY 14482	5/73		X	8.7.2.21.2-0001 p. 1
(b) (6) 2015 Marine View Drive Tacoma, WA 98422	--	5/73		8.7.2.21.2-0001 p. 1

Follow-Up Actions

1. Resolve the parcel size discrepancy.
2. Determine prior tenants and owners and which, if any, should receive a request for information.
3. Send Donald Oline a request for information.

JONES-GOODELL CORPORATION

Mailing address: 1690 Marine View Drive
Tacoma, WA 98422

Contact: Daniel L. Goodell

Parcel(s)	Address(es)
0321364022	1690 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Lacquer and paint thinner, toluene, and acetone contaminated with paints (8.7.2.22.2-0001).

Sources—No information is provided by Jones-Goodell.

Pathways/Management Practices—Surface water runoff and storm drains (8.7.2.22.2-0001).

104(e) Response Status

Completeness—Jones-Goodell indicates that there is a marine supply store on the property, but the occupant is not identified. No prior tenants of the property are identified. The connection between Jones-Goodell Corporation and Jones-Goodell Shipbuilding (if any) is not explained.

Accuracy—According to the database, Jones-Goodell has been in business for 30 years. Jones-Goodell states that they have been at their present location since 1976. Jones-Goodell does not state their former location, but they do state that they have not been located at any other site in the Commencement Bay NS/TF area.

Tenant/Owner Information

Tenant/Address	Dates		Current	Reference
	Beginning	End		
Jones-Goodell	1976		X	8.7.2.22.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
J&G Investments 4812 East 64th Street Tacoma, WA 98443	1976		X	8.7.2.22.2-0001 p. 2
Jones-Goodell Shipbuilding	1968	1976		8.7.2.22.2-0001 p. 2
Port of Tacoma	--	1968		8.7.2.22.2-0001 p. 2

Follow-Up Actions

1. Request that Jones-Goodell provide the address of their former location and prior tenant information and explain the connection, if any, between Jones-Goodell Corporation and Jones-Goodell Shipbuilding.

2. Determine which, if any, of the former owners and tenants should receive a request for information.

3. Perform a site inspection to determine if contaminant sources to surface or storm water exist.

JOSEPH SIMON & SONS

Mailing address: 2200 E. River Street
Tacoma, WA 98421

Contact: Mark R. Burley, Controller
206-272-9364

Attorney: Bogle & Gates
The Bank of California Center
Seattle, WA 98164

Linda M. Christophersen
206-682-5151

Parcel(s)	Address(es)
0321263030	1515 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Possibility of spills from past activities and location on Hylebos Waterway.

Environmental Information

Potential Contaminants—Degreasers and solvents. Possible fuel, battery acid (8.7.2.23.2-0002). Waste materials from Pacific Marine Chemical Company, and steel fabrication wastes from Custom Iron (062).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

Completeness—The database indicates that Custom Iron and Pacific Marine Iron were occupants of this property. Joseph Simon & Sons, however, does not mention either of these companies as past tenants or owners.

Accuracy—Except for the problem noted above, the information appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Cascade Timber Company	1987		X	8.7.2.23.2-0001 p. 3,5
Miller Livestock Company	1986	1987		8.7.2.23.2-0001 p. 3
Rail & Locomotive Equipment Co. (Joseph Simon & Sons)	1981	1984		8.7.2.23.2-0001 p. 4

Owner/Address	Dates Beginning	Dates End	Current	Reference
Joseph Simon & Sons 2200 E. River Street Tacoma, WA 98421	6/75		X	8.7.2.23.2-0002 p. 3
Peterson, George & Beatrice	--	6/75		8.7.2.23.2-0002 p. 3

Follow-Up Actions

1. Investigate prior tenants to determine if Custom Iron and Pacific Marine did occupy the property. Determine which, if any, of the prior tenants should be sent a request for information.

2. Determine if George and Beatrice Peterson should be sent a request for information and/or a general notice letter.

KAISER ALUMINUM & CHEMICAL CORPORATION

Mailing address: 3400 Taylor Way
Tacoma, WA

Contact:

Attorney:

Parcel(s)	Address(es)
0321363013	3400 Alexander Avenue
0321363033	Alexander Avenue
0321363045	--
5190600032	3400 Taylor Way

PRP Status: *YES*

Basis for Classification: Discharges of PAHs, fluoride, cyanide, and other metals to site soils and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Fluoride, PAHs, and cyanide (035, 036, 066).

Sources—Possibly soil and groundwater (035, 036, 062, 066).

Pathways/Management Practices—Kaiser ditch (066).

104(e) Response Status

A 104(e) request for information response has not been received from Kaiser.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Kaiser Aluminum			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Kaiser Aluminum & Chemical Co.			X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

LONE STAR INDUSTRIES

Mailing address: Lone Star Northwest
5975 E. Marginal Way S.
P.O. Box 1730
Seattle, WA 98111

Contact: James A. Repman, Executive V.P.
206-764-3000

Parcel(s)	Address(es)
0321364037	3601 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Past land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Kerosene, muriatic acid, motor oils and greases, and naphtha (8.7.2.25.2-0003).

Sources—Unknown, but possibly contaminated soil.

Pathways/Management Practices—Surface water and storm drain discharge (NPDES permit) (8.7.2.25.2-0003). Illegal discharge of process water from Glacier Sand and Gravel to Hylebos Waterway (120).

104(e) Response Status

Completeness—Prior tenant and owner information is not complete.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Lone Star Northwest 5973 E. Marginal Way S. P.O. Box 1730 Seattle, WA 98111	12/87		X	8.7.2.25.2-0003 p. 2
Lone Star Industries One Greenwich Plaza P.O. Box 5050 Greenwich, CT 06836	4/8/87	12/87		8.7.2.25.2-0003 p. 2,7
Pioneer Construction Materials Co. (owned by Riedel International)	10/1/85	4/8/87		8.7.2.25.2-0003 p. 2
Glacier Sand & Gravel (subsidiary of: Kaiser Cement Co. P.O. Box 8019 Oakland, CA 94956)	--	10/1/85		8.7.2.25.2-0003 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Lone Star Northwest 5975 E. Marginal Way S. P.O. Box 1730 Seattle, WA 98111	12/87		X	8.7.2.25.2-0003 p. 2
Lone Star Industries One Greenwich Plaza P.O. Box 5050 Greenwich, CT 06836	4/9/87	12/87		8.7.2.25.2-0003 p. 2,7
Riedel International 4455 N. Channel Avenue Portland, OR 97217	1985	4/9/87		8.7.2.25.2-0003 p. 2
Glacier Sand & Gravel (subsidiary of: Kaiser Cement Co. P.O. Box 8019 Oakland, CA 94956)	--	1985		8.7.2.25.2-0003 p. 2

Follow-Up Actions

1. A site investigation is needed to determine if contaminated soils or other sources of contamination to surface water are present.

2. Determine which, if any, of the prior owners and tenants should receive a request for information.

MANKE LUMBER COMPANY

Mailing address: 1717 Marine View Drive
Tacoma, WA 98422

Contact: James D. Manke, Treasurer
206-572-6252

Parcel(s)	Address(es)
0321361015	1730 Marine View Drive
0321361016	1750 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Use of pentachlorophenol onsite and past discharges of steam cleaning effluent to storm sewers.

Environmental Information

Potential Contaminants—Pentachlorophenol, NP-1 (8.7.2.27.2-0002).

Sources—Occasional spills and process water (to storm sewer) (8.7.2.27.2-0002, p. 154).

Pathways/Management Practices—Surface water runoff and storm drain discharge (8.7.2.27.2-0002, p. 154).

104(e) Response Status

Completeness—Manke does not supply complete tenant and owner information. Manke does not discuss discharge of steam cleaning effluents to the storm sewer that Ecology documented (008).

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Parcel 0321361015

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Manke Lumber Company 1717 Marine View Drive Tacoma, WA 98422	1964		X	8.7.2.27.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Manke Lumber Company 1717 Marine View Drive Tacoma, WA 98422	1976		X	8.7.2.27.2-0002 p. 1 8.7.2.35.2-0001 p. 6
Nordlund Boat Company	1967	1976		8.7.2.35.2-0001 p. 6
Port of Tacoma	--	1967		8.7.2.35.2-0001 p. 6

Parcel 0321361016

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Manke Lumber Company 1717 Marine View Drive Tacoma, WA 98422	1964		X	8.7.2.27.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Manke Lumber Company 1717 Marine View Drive Tacoma, WA 98422	1976		X	8.7.2.27.2-0002 p. 1 8.7.2.35.2-0001 p. 6
Port of Tacoma	--	--		8.7.2.35.2-0001 p. 6

Follow-Up Actions

1. Manke discusses other parcels that they own (i.e., 0321361000, 1012, 1020, 1026, and 1030) that are currently classified in the database as *UNKNOWN*. Information provided suggests that further investigation of these parcels may be warranted.

2. Determine prior tenants and owners and which, if any, should receive a request for information.

3. Perform a site investigation to determine if surface water runoff is a pathway of concern.

(b) (6)

Mailing address: **Contact:**

Parcel(s)	Address(es)
0321363021	3003 Taylor Way
0321363028	3003 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Numerous spills to sewage treatment plant. Potential for discharge to surface water.

Environmental Information

Potential Contaminants—Sulfuric acid, demulsifiers and detergents, caustic soaps, aluminum sulfate, calcium chloride, ferric chloride, ferrous sulfate, hydrogen peroxide, sodium metabisulfite, sodium hydroxide, anionic polymer (amine), oil sludges contaminated with heavy metals, PAHs, organic amines, chlorinated hydrocarbons, PCBs, polymers, and metal hydroxide sludges contaminated with heavy metals, oil, and polymers. Metals of concern at the site include arsenic, cadmium, chromium, iron, lead, manganese, mercury, and selenium (8.7.2.44.2-0001).

Sources—Possible leaking tanks and transfer operations. Contaminated soil (transformer fluids, fuels and oils, PAHs, phthalates, heavy metals), groundwater (metals), and surface water (metals). ASARCO smelter slag (8.7.2.44.2-0001).

Pathways/Management Practices—Groundwater and surface water runoff (8.7.2.44.2-0001).

104(e) Response Status

A 104(e) request for information response has not been received from (b) (6)

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Petroleum Services, Inc.	--		X	8.7.2.44.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Follow-Up Actions (also see Petroleum Services, Inc.)

1. Review 104(e) response when received.

MCFARLAND-CASCADE

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0321264005	2602 Marine View Drive
0321264029	2602 Marine View Drive

PRP Status: *YES*

Basis for Classification: Metals-contaminated runoff to Hylebos Waterway.

Environmental Information

Potential Contaminants—Lead, copper, zinc, and arsenic (131).

Sources—ASARCO slag (no reference).

Pathways/Management Practices—Surface runoff (131).

104(e) Response Status

A 104(e) response has not been received from McFarland-Cascade.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Cascade Pole			X	REIL

Owner/Address	Dates		Current	Reference
	Beginning	End		
Cascade Holdings, Inc.			X	REIL

Follow-Up Actions

1. Determine if Cascade Holdings, Inc. or Cascade Pole should receive a request for information.

2. Review McFarland-Cascade's response when received.

MILGARD MANUFACTURING

Mailing address: 1010 54th Avenue East
P.O. Box 11368
Tacoma, WA 98411-0368

Contact: Gary or James Milgard
206-922-6030

Attorney: Gordon, Thomas, Honeywell, Malanca, Peterson & Daheim
2200 First Interstate Plaza
P.O. Box 1157
Tacoma, WA 98410

L.R. Ghilarducci, Jr.
206-572-5050

Parcel(s)	Address(es)
0320014086	1010 54th Avenue E.

PRP Status: *MAYBE*

Basis for Classification: Surface soils are contaminated with lead (106).

Environmental Information

Potential Contaminants—Lead, methylene chloride, polysulfide base, petroleum naphtha, and waste oils (8.7.2.30.2-0002).

Sources—Contaminated soil (8.7.2.30.2-0001).

Pathways/Management Practices—Surface water runoff to storm drain (8.7.2.31.2-0001).

104(e) Response Status

Completeness—Prior tenant information is not provided.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Milgard Manufacturing	1978		X	8.7.2.30.2-0002 p. 1
Milgard Tempering	1980		X	8.7.2.30.2-0002 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Milgard, Gary and James 1010 54th Avenue East P.O. Box 11368 Tacoma, WA 98411-0368	1977		X	8.7.2.30.2-0002 p. 1
Port of Tacoma	--	1977		8.7.2.30.2-0002 p. 1

Follow-Up Actions

1. Obtain prior tenant information and determine which, if any, should receive a request for information.

MINTERCREEK DEVELOPMENT

Mailing address: 4224 Waller Road
Tacoma, WA 98443

Contact: Donald F. Casad
206-922-6676

Parcel(s)	Address(es)
0321262137	4106 East 11th Street
0321262138	4102 East 11th Street
0321263025	Back of 4106 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Proximity to Hylebos Waterway and use of hazardous materials onsite.

Environmental Information

Potential Contaminants—No information was provided by Mintercreek.

Sources—No information was provided by Mintercreek.

Pathways/Management Practices—No information was provided by Mintercreek.

104(e) Response Status

Completeness—This response is inadequate. Ownership of parcels is not verified by parcel number and there is no indication of which tenant has occupied or occupies which parcel. Mintercreek owns the parcels for investment purposes and does not supply information regarding operating practices or hazardous materials, sources, and pathways.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Samson Marine	6/1/74		X	8.7.2.49.2-0001 p. 1
Vancouver Home Furnishings	--	--		8.7.2.31.2-0001A
Rogers Rubber 2890 Meridian E. Puyallup, WA 98321 206-845-8374	3/84??	3/88		8.7.2.31.2-0001A
Industrial Water Services, Inc.	2/27/81	--		8.7.2.31.2-0001A
Ferguson Manufacturing	2/27/87		X	8.7.2.31.2-0001A
Pacific Marine Repair	3/88		X	8.7.2.31.2-0001A

Owner/Address	Dates Beginning	Dates End	Current	Reference
Mintercreek Development	8/83		X	8.7.2.31.2-0001A
Coski, Bernard[a] 5323 12th Street N.E. Tacoma, WA 98422		8/83		8.7.2.31.2-0001A

[a] Coski owned two acres of land at 4106 East 11th from 1968-1983?? Tenants included:

- Cement Boat Manufacturing 1972-74
- Samson Marine 1975 - Current
- Fiberglass Manufacturing 1974-75
- Crown Machine 1974-78
- Rain Proof Roofing 1974-76
- Welding Supply Company 1976-83
- Port of Tacoma Waterbed (this may be the same as Vancouver Home Furnishings) 1978-80.

The land that Mintercreek currently owns totals only 0.94 acres. It is not clear if all of the tenants listed by Coski operated on the three parcels Mintercreek now owns.

Follow-Up Actions

1. Determine which tenants occupied which parcels and determine which, if any, should receive a request for information.

2. Request environmental information from tenants.

MODUTECH MARINE

Mailing address: 2218 Marine View Drive
Tacoma, WA 98422

Contact: Carl Swindahl, President
206-272-9319

Parcel(s)	Address(es)
0321264056	2218 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Acetone and styrene (8.7.2.5.2-0001A). Brine sludge wastes, including TCE and PCE, were landfilled here by Occidental Chemical. Metal wastes were deposited by General Metals (155).

Sources—No information for current tenant operations. Landfill leachate (155).

Pathways/Management Practices—Stormwater drain (8.7.2.5.2-0001A). Groundwater contaminated with PCE and TCE (155).

104(e) Response Status

Completeness—Modutech does not provide complete environmental information.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Modutech Marine	5/83		X	8.7.2.5.2-0001A p. 1
Marine Technical Services, Inc.	--	--		8.7.2.5.2-0001A p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Babet Fund III 154 Corral de Tierra Road Salinas, CA 93908	1979		X	8.7.2.5.2-0001A p. 1
(b) (6) P.O. Box 428 Montesano, WA 98563	--	--		8.7.2.5.2-0001A p. 2

Follow-Up Actions

1. Determine prior owners and tenants and which, if any, should receive a request for information.

2. Determine sources of contamination.

(b) (6)

Mailing address: #1 Stadium Way
Tacoma, WA 98403

Contact: (b) (6)

Parcel(s)	Address(es)
0321351042	2116 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Tenants may have contributed to soil and surface water contamination and site may drain to Hylebos Waterway via HY-066.

Environmental Information

Potential Contaminants—Tetrahydrofuran, methyl ethyl ketone, oils, and polyethylene (8.7.2.56.2-0003).

Sources—None identified by Superlon Plastics.

Pathways/Management Practices—None identified by Superlon Plastics.

104(e) Response Status

A 104(e) request for information response has not been received from (b) (6)

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Superlon Plastics	9/72		X	8.7.2.56.2-0003 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6) #1 Stadium Way Tacoma, WA 98403	2/72		X	8.7.2.56.2-0003 p. 1
Justus Cedar Homes	--	2/72		8.7.2.56.2-0003 p. 1
DuPont Chemical Company	--	--		062
Lattimer-Goodwin Chemical	--	--		062

Follow-Up Actions (also see Superlon Plastics)

1. Review 104(e) response when received.

NORDLUND BOAT COMPANY, INC.

Mailing address: 1621 Taylor Way
Tacoma, WA 98421

Contact: (b) (6)
206-627-5300

Attorney: Karr, Tuttle, Campbell
1201 Third Avenue, Suite 2900
Seattle, WA 98101-3028

Peter H. Haller
206-223-1313

Parcel(s)	Address(es)
0321264054	1621 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Land use may have contributed contaminants to site soils and Hylebos Waterway.

Environmental Information

Potential Contaminants—Polyester resin and gel-kote, acetone, paint thinners, styrene, and methyl ethyl ketone peroxide (8.7.2.35.2-0001, 200).

Sources—No information is provided by Nordlund Boat.

Pathways/Management Practices—Storm drains to Hylebos Waterway (8.7.2.35.2-0001).

104(e) Response Status

Completeness—Nordlund Boat does not provide insurance information in the response but states that they will provide it when it becomes available to them. A list of prior tenants is not provided. No tenant environmental information is provided.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Nordlund Boat Company	1978		X	8.7.2.35.2-0001 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.35.2-0001 p. 6
	--	--		8.7.2.35.2-0001 p. 6
	--	--		8.7.2.35.2-0001 p. 6

Follow-Up Actions

1. Determine how long the Nordlunds and prior owners owned the property.
2. Determine prior tenants of the property.
3. Determine which, if any, of the prior tenants and owners should receive a request for information.

NORDLUND PROPERTIES, INC.

Mailing address: 1621 Taylor Way
Tacoma, WA 98421

Contact:

Attorney: Karr, Tuttle, Campbell
1201 Third Avenue, Suite 2900
Seattle, WA 98101-3028

Peter H. Haller
206-223-1313

Parcel(s)	Address(es)
22752000371	3302 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Report of past discharge to site soils and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Polyester resin (styrene), methyl ethyl ketone peroxide, xylene, paints, lacquers, and thinners (8.7.2.35.2-0001, p. 8).

Sources—No information is provided by Nordlund Properties.

Pathways/Management Practices—Nordlund states no storm drains exist and that surface water flows into Blair Waterway, not Hylebos Waterway (8.7.2.35.2-0001).

104(e) Response Status

Completeness—Nordlund Properties does not indicate when they purchased this parcel.

Accuracy—According the database, this parcel drains to Hylebos Waterway, but Nordlund states that it drains to Blair Waterway. Nordlund is to supply information from the City of Tacoma regarding surface drainage.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vance Lift Truck	1967		X	8.7.2.35.2-0001 p. 6
Nordlund Boat Company	1959	1967		8.7.2.35.2-0001 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.35.2-0001 p. 6
	--	--		8.7.2.35.2-0001 p. 6

Follow-Up Actions

1. Determine direction of surface water drainage.
2. Determine when Nordlund purchased this parcel.

NORTHWEST PROCESSING, INC.

Mailing address: 1707 Alexander Avenue
P.O. Box 940
Tacoma, WA 98401-0940

Contact: Glenn Tegen, President
206-572-4402

Attorney: Eisenhower, Carlson, Newlands, Reha, Henriot & Quinn
1201 Pacific Avenue
First Interstate Plaza, Suite 1200
Tacoma, WA 98402

Charles Douthwaite
206-572-4500

Parcel(s)	Address(es)
0321352050	1701 Alexander Avenue
0321352052	1800 Alexander Avenue
0321352053	1851 Alexander Avenue
0321352054	1701 Alexander Avenue

PRP Status: *MAYBE*

Basis for Classification: Land use and potential for impacting Hylebos Waterway.

Environmental Information

Potential Contaminants—Gasoline, fuel oil, diesel, waste oil, toluene, acetone, lacquer, naphtha, xylene, glycol ether, hydrochloric acid, lacquer thinners, and phenol. PCBs found in stormwater (Blair pipe) (8.7.2.36.2-0001A).

Sources—Possible contaminated soil. Leaky tanks.

Pathways/Management Practices—Surface drainage to storm drains, Blair and Hylebos waterways, one permitted (NPDES) (8.7.2.36.2-0001A).

104(e) Response Status

Completeness—Northwest Processing provides a brief list of prior owners but does not indicate dates of ownership or which owners relate to which parcels. Prior tenants are not discussed.

Accuracy—Northwest Processing has Parcels 0321352053 (1.18 acres) and 0321352050 (0.68 acres) confused. These parcels are adjoining and are both owned by Solidus Corporation, which also owns Northwest Processing. Northwest Processing occupies Parcels 0321352050, 0321352052, and 0321352054, but not Parcel 0321352053. Parcel 0321352053 was leased to Chemical Processors and is currently vacant; however, the database indicates that Northwest Processing occupies Parcel 0321352053.

Tenant/Owner Information

Parcel 0321352050

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	7/88		X	8.7.2.36.2-0001A p. 1
Poligen, Inc.	6/20/74	7/88		8.7.2.36.2-0001A p. 1
Petro Processors, Inc.	--	--		8.7.2.52.2-0001A p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	10/2/81		X	8.7.2.52.2-0001A p. 1 201

Parcel 0321352052

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	7/88		X	8.7.2.36.2-0001A p. 1
Poligen, Inc.	6/20/74	7/88		8.7.2.36.2-0001A p. 1
Petro Processing, Inc.	--	--		8.7.2.52.2-0001A p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	10/2/81		X	8.7.2.52.2-0001A p. 1 201
Poligen, Inc.	4/24/81	10/02/81		201
(b) (6) P.O. Box 428 Montesano, WA 98563	2/28/69	4/24/81		201
Educators Manufacturing Company	12/7/61	2/28/69		201
Port of Tacoma	--	12/7/61		201

Parcel 0321352053

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	12/31/86		X	201
Chemical Processors	10/1/75	12/31/86		201
Chemical Processors of Oregon	1974	10/1/75		201
Puget Sound Industrial Petroleum	1973	1974		201
Acology Oil/Aero Oil	1970	1973		201

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	5/13/81		X	8.7.2.52.2-0001A 201
(b) (6) P.O. Box 428 Montesano, WA 98563	2/28/69	5/13/81		201
Educators Manufacturing Company	12/7/61	2/28/69		201

Parcel 0321352054

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	7/88		X	8.7.2.36.2-0001A p. 1
Poligen	--	7/88		201

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	10/2/81		X	8.7.2.25.2-0001A p. 1 201

Follow-Up Actions

1. Determine exact surface area drainage and stormwater drainage system.
2. Perform an investigation of site soils in areas that drain to Hylebos Waterway and measure contaminants in discharged water.

(b) (6)

Mailing address: P.O. Box 428
Montesano, WA 98563

Contact:

Attorney:

Parcel(s)	Address(es)
0321253039	1950 Marine View Drive
0321264031	2228 Marine View Drive
0321264057	2008 Marine View Drive
0321264059	2228 Marine View Drive
0321362003	1800 Marine View Drive
0321362048	1800 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: These parcels may have been used by Oline for waste disposal.

Environmental Information

Potential Contaminants—Chlorinated solvents, asbestos, and heavy metals (070).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Oline.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 0321253039

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Hylebos Marina	mid-1960s??		X	8.7.2.30.2-0001 p. 1
P.C.I. Corporation	--	--		8.7.2.30.2-0001 p. 1
(b) (6)	--	--		8.7.2.30.2-0001 p. 1
	--	--		8.7.2.30.2-0001 p. 1
	--	--		8.7.2.30.2-0001 p. 1
Harbor Service, Inc. 1940 Marine View Drive Tacoma, WA	--		X	8.7.2.30.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.30.2-0001 p. 1

Parcel 0321264057

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Parcels 0321362003 and 0321362048

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.30.2-0001 p. 1

Parcels 0321264031 and 0321264059

Tenant/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Stone Investments	--		X	REIL

Follow-Up Actions (also see (b) (6)

1. Review 104(e) response when received.

OLINE, RON AND BRAD ET AL.

Mailing address: Hylebos Marina
1940 Marine View Drive
Tacoma, Wa 98422

Contact: (b) (6) President
206-272-6623

Parcel(s)	Address(es)
0321253039	1950 Marine View Drive
0321264057	2008 Marine View Drive
0321362003	1800 Marine View Drive
0321362048	1800 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Parcels may have been used by I(b) (6) for waste disposal.

Environmental Information

Potential Contaminants—Solvent sludges, asbestos, and chlorinated solvents (070).

Sources—Landfill leachate (070).

Pathways/Management Practices—Surface water and groundwater drainage to Hylebos Waterway (8.7.2.30.2-0001).

104(e) Response Status

Completeness—The response does not include adequate tenant and ownership information. It does not clarify when Hylebos Marina began operating at this site. No environmental information is included.

Accuracy—(b) (6) indicates that the property is approximately 1.5 acres. According to the database, the property is 18.3 acres. It is not possible that a boatbuilding operation uses no hazardous materials or pollutants. Oline states that the actual owner of these parcels is (b) (6) (b) (6) The parcels have been transferred to (b) (6) temporarily while (b) (6) completes (b) (6) proceedings.

Tenant/Owner Information

Parcel 0321253039

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Hylebos Marina	mid-1960s??		X	8.7.2.30.2-0001 p. 1
P.C.I. Corporation	--	--		8.7.2.30.2-0001 p. 1
(b) (6)	--	--		8.7.2.30.2-0001 p. 1
	--	--		8.7.2.30.2-0001 p. 1
	--	--		8.7.2.30.2-0001 p. 1
Harbor Service, Inc. 1940 Marine View Drive Tacoma, WA	--		X	8.7.2.30.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.30.2-0001 p. 1

Parcel 0321264057

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Parcels 0321362003 and 0321362048

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	8.7.2.30.2-0001 p. 1

Follow-Up Actions

1. Determine true owner of these parcels.

PACIFIC RESOURCES, INC.

Mailing address: PRI Northwest, Inc.
P.O. Box 3379
Honolulu, HI 96842

Contact: George T. Aoki, Attorney
808-547-3111

Parcel(s)	Address(es)
2275200510	709 Alexander Avenue
2275200520	709 Alexander Avenue

PRP Status: *YES*

Basis for Classification: Past operations and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Diesel oil, heating oil, and tetraethyl lead (8.7.2.40.2-0004).

Sources—Spills of gasoline and diesel fuel (8.7.2.40.2-0004).

Pathways/Management Practices—Surface water runoff and groundwater (8.7.2.40.2-0004).

104(e) Response Status

Completeness—PRI has not provided insurance information, claiming that it is confidential information. A list of past owners and tenants is provided but does not specify which companies or individuals were owners and which were tenants.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
PRI Northwest, Inc.	7/79	1983		8.7.2.40.2-0004 p. 2
Fletcher Oil (Fletcher, Inc. 741 N. Curtis Road Boise, ID 83706)	1967	1/16/79		8.7.2.15.2-0001 p. 3
Tesoro Petroleum, Inc.	5/30/70	1978		8.7.2.15.2-0001 p. 2
United Independent Oil Co., Inc.	1972	1974		8.7.2.15.2-0001 p. 2 8.7.2.40.2-0004 p. 2
Puget Sound Tug & Barge Co.	--	--		8.7.2.15.2-0001 p. 4
All Alaskan Seafood	--	--		8.7.2.40.2-0004 p. 2
Washington Marine Services	--	--		8.7.2.40.2-0004 p. 2
Faustug Marine	--	--		8.7.2.40.2-0004 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
PRI Northwest, Inc. P.O. Box 3379 Honolulu, HI 96842	1/16/79		X	8.7.2.40.2-0004 p. 2
F.O. Fletcher, Inc. 471 N. Curtis Road Boise, ID 83706	1/9/67	1/16/79		8.7.2.15.2-0001 p. 3
Fletcher Oil Company	1938	1/9/67		8.7.2.15.2-0001 p. 3
(b) (6)	--	1938		8.7.2.15.2-0001 p. 2

Follow-Up Actions (Also see Fletcher Oil)

1. Determine if confidentiality claim on insurance information is valid.
2. Determine which prior tenants, if any, should receive a request for information.
3. Perform soil and groundwater sampling to determine if site is contaminated.

PAN PACIFIC TRADING COMPANY

(SEE MURRAY PACIFIC)

PEDERSON OIL

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0321364045	1622 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Potential for release of petroleum products and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Pederson Oil.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Nordlund Boat Company	1988		X	8.7.2.35.2-0001 p. 3,6
Tim Bailey & Associates	1988	--		8.7.2.35.2-0001 p. 3
Aputco	1983	--		8.7.2.35.2-0001 p. 3
Republic Supply Company	1983	--		8.7.2.35.2-0001 p. 3
Pederson Oil			X	REIL
	1980			8.7.2.35.2-0001 p. 3
Harbor Services, Inc.	1980	--		8.7.2.35.2-0001 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Nordlund Properties, Inc.	1974		X	8.7.2.35.2-0001 p. 3
Streich Brothers	--	1979		8.7.2.35.2-0001 p. 3
Hart Construction Company	--	--		8.7.2.35.2-0001 p. 3

Follow-Up Actions

1. Determine which prior owners and tenants should receive a request for information.

PENNWALT CORPORATION

Mailing address: Legal Department
Pennwalt Corporation
Three Parkway
Philadelphia, PA 19102-1389

Contact: Michael Schu, Attorney
215-587-7107

Attorney: Preston, Thorgrimson, Ellis & Holman
5400 Columbia Seafirst Center
701 Fifth Avenue
Seattle, WA 98104-7011

Ross A. McFarlane
206-623-7580

Parcel(s)	Address(es)
0321351041	2901 Taylor Way
--	3009 Taylor Way

PRP Status: *YES*

Basis for Classification: History of onsite spills to Hylebos Waterway and contamination of groundwater.

Environmental Information

Potential Contaminants—Chlorine, sodium hydroxide, hydrochloric acid, ammonia, sodium arsenide, sodium chlorate, sodium dichromate, sodium bisulfide, sulfuric acid, asbestos, chlorinated hydrocarbons, brine sludges, chlorinated wastewaters, acid cleaning wastes, sandblasting waste, and paint waste at 2901 Taylor Way. ASARCO smelter slag at 3009 Taylor Way (8.7.2.43.2-0002). Possible DDT and low-level radioactive waste (062).

Sources—Evaporation ponds, historical (chlorinated hydrocarbons); cooling tower condensate, current; sludge landfill, historical (sodium arsenide sludge and "nonhazardous chemical wastes"); asbestos pit; 1985 spill of sodium chlorate, sodium chloride, and sodium dichromate to soil and storm water, and other spills including some directly into Hylebos Waterway (8.7.2.43.2-0002, 018).

Pathways/Management Practices—Groundwater (arsenic, chromium, chloroform, and cyanide) and historical surface water runoff, NPDES-permitted outfall (cooling water and surface water, pH problems) to Hylebos Waterway, and direct spill (sulfuric acid) (8.7.2.43.2-0002, 017, 019).

104(e) Response Status

Completeness—Pennwalt states that because of the voluminous amount of information they possess and the information already contained in EPA and Ecology files, the response is generally aimed at describing the kinds of information available. Pennwalt will make arrangements for EPA personnel to review Pennwalt's files if EPA desires.

Accuracy—The database contains no information relating to property located at 3009 Taylor Way.

Tenant/Owner Information

Parcel -- 3009 Taylor Way

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Echo Lumber Company 18119 50th Avenue E. Tacoma, WA 206-847-0073	8/1/84	9/86		8.7.2.43.2-0002 p. 6
Dunlap Towing Company P.O. Box 593 LaConner, WA 98257	1/1/79	11/1/83		8.7.2.43.2-0002 p. 6 8.7.2.14.2-0001 p. 1
Portac/West Coast Lumber Operations Company 4215 East West Road Tacoma, WA 98421	11/1/78	11/1/83		8.7.2.43.2-0002 p. 6
West Coast Orient Lumber Mill	10/24/77	10/31/78		8.7.2.43.2-0002 p. 6
Johnson-Byers, Inc. c/o Goodwin Johnson Ltd P.O. Box 82217 North Burnaby, B.C., Canada V5C 5P7	1/1/67	12/31/77		8.7.2.43.2-0002 p. 6
Balfour Guthrie & Company, Ltd	7/1/64	12/31/86		8.7.2.43.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
Pennwalt Corporation Pennwalt Building Three Parkway Philadelphia, PA 19102-1389	4/57		X	8.7.2.43.2-0002 p. 6
Milwaukie Boom Company (merged with Foss Tug & Barge)	--	4/57		8.7.2.43.2-0002 p. 6

Parcel 0321351041

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Pennwalt Corporation P.O. Box 1297 2901 Taylor Way Tacoma, WA 98401	1927		X	8.7.2.43.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Pennwalt Corporation Pennwalt Building Three Parkway Philadelphia, PA 19102-1389	1927		X	8.7.2.43.2-0002 p. 3

Follow-Up Actions

1. Investigate property located at 3009 Taylor Way to determine parcel number and prior owners and tenants.
2. Determine which, if any, prior owners and tenants should receive a request for information.
3. Review original technical documents for environmental information.

PETROLEUM SERVICES, INC.

Mailing address: 3003 Taylor Way
Tacoma, WA 98421

Contact: Gary Smith, President
206-383-4474

Parcel(s)	Address(es)
0321363021	3003 Taylor Way
0321363028	3003 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Numerous spills to sewage treatment plant. Potential for discharge to surface water.

Environmental Information

Potential Contaminants—Sulfuric acid, demulsifiers and detergents, caustic soaps, aluminum sulfate, calcium chloride, ferric chloride, ferrous sulfate, hydrogen peroxide, sodium metabisulfite, sodium hydroxide, anionic polymer (amine), oil sludges contaminated with heavy metals, PAHs, organic amines, chlorinated hydrocarbons, PCBs, and metal hydroxide sludges contaminated with heavy metals, oil, and polymers. Metals of concern at the site include arsenic, cadmium, chromium, iron, lead, manganese, mercury, and selenium (8.7.2.44.2-0001).

Sources—Possible leaking tanks and transfer operations. Contaminated soil (transformer fluids, fuels and oils, PAHs, phthalates, heavy metals), groundwater (metals), and surface water (metals). ASARCO smelter slag (8.7.2.44.2-0001).

Pathways/Management Practices—Groundwater and surface water runoff (8.7.2.44.2-0001).

104(e) Response Status

Completeness—The response does not provide complete information regarding past owners and tenants.

Accuracy—Petroleum Services states that they purchased the previous business from its owners (Coastal Tank Cleaning and Coastal Coatings, Inc.) in 1987. Petroleum Services does not state the name of the business when they purchased it, but the database indicates that it was Pacific Northwest Processing (200). It is not clear if Coastal Tank Cleaning and Coastal Coatings owned Pacific Northwest Processing. Petroleum Services also states that they have been at their present location for 15 years. It is not clear how this is possible if they purchased the previous business

in 1987. In addition, Petroleum Services indicates that (b) (6) are previous owners of the property. The database indicates, however, that (b) (6) is the current owner. Petroleum Services does not indicate who currently owns the property.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Petroleum Services, Inc.	--		X	8.7.2.44.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Follow-Up Actions

1. Determine if Pacific Northwest Processing was a previous tenant and if they were owned by Coast Tank Cleaning and Coastal Coatings, Inc.
2. Resolve question regarding Petroleum Service's length of occupancy at this site.
3. Resolve question regarding current owner of the site.

POLIGEN CORPORATION

Mailing address: 1801 Alexander Avenue
Tacoma, WA

Contact:

Attorney:

Parcel(s)	Address(es)
0321352052	1800 Alexander Avenue
0321352802	1801 Alexander Avenue

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to ChemPro site.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

The 104(e) general notice letter and request for information were sent to Glenn Tegen of the Solidus Corporation. In his response he states that he did not own Poligen during the time in question. He lists the correct owners in his response and provides names and addresses (8.7.2.45.2-0001). The owners are listed below.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 0321352052

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	--		X	8.7.2.52.2-0001A
Poligen	--	--		
Petro Processors, Inc.	--	--		8.7.2.52.2-0001A

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation	10/2/81		X	8.7.2.52.2-0001A 201
Poligen, Inc.	4/21/81	10/2/81		201
(b) (6) P.O. Box 428 Montesano, WA 98563	2/28/69	4/24/81		201
Educators Manufacturing Company	12/7/61	2/28/69		201
Port of Tacoma	--	12/7/61		

Parcel 0321352802

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Poligen	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Poligen	--		X	REIL

Follow-Up Actions

1. Send the owners of Poligen (identified below) a general notice letter and request for information.

Additional PRPs

(b) (6)
(b) (6)
Seattle, WA 98102

(b) (6)
(b) (6)
Tacoma, WA 98422

(b) (6)
(b) (6)
Lakebay, WA 98349

RAIL & LOCOMOTIVE EQUIPMENT COMPANY

(SEE JOSEPH SIMON & SONS)

SAMSON MARINE

Mailing address: (b) (6)
Puyallup, WA 98371

Contact: (b) (6)

Parcel(s)	Address(es)
0321263025	Back of 4106 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Use of hazardous materials onsite and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Acetone and epoxy solvent in small quantities (8.7.2.49.2-0001).

Sources—None identified by Samson Marine.

Pathways/Management Practices—Surface water drainage (8.7.2.49.2-0001).

104(e) Response Status

Completeness—Samson Marine does not provide prior tenants and owners. Mintercreek Development provides a partial summary of past tenants and owners in their response. It is not clear which prior tenant have occupied this particular parcel.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Samson Marine	6/1/74		X	8.7.2.49.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Mintercreek Development 4224 Waller Road Tacoma, WA 206-922-6676	8/88		X	8.7.2.31.2-0001 p. 1
(b) (6) Tacoma, WA 98422	--	8/83		8.7.2.31.2-0001A

Follow-Up Actions

1. Consider reclassifying Samson Marine as a *NO*.
2. Determine prior tenants and which, if any, should receive a request for information.

SEAPORT BARK SUPPLY, INC.

Mailing address: 3542 Lincoln Avenue
Tacoma, WA 98421

Contact:

Attorney: Patrick Biggs
P.O. Box 1193
1001 Pacific Avenue, Suite 400
Tacoma, WA 98401

Parcel(s)	Address(es)
0321351039	3542 Lincoln Avenue

PRP Status: *YES*

Basis for Classification: Seaport discharged waste waters containing metals to Hylebos Waterway.

Environmental Information

Potential Contaminants—Arsenic and other metals from ASARCO slag (8.7.2.50.2-0003).

Sources—ASARCO slag and contaminated wood products delivered for recycling, settling ponds, and wastewater (8.7.2.50.2-0003).

Pathways/Management Practices—Wastewater discharged into Hylebos Waterway (historical), surface water runoff, and storm drain discharge (8.7.2.50.2-0003).

104(e) Response Status

Completeness—Seaport Bark is essentially out of business, but the corporate shell remains intact to interact with EPA and Ecology Superfund personnel. Seaport states that all records relating to environmental investigations were confiscated in February 1988 by EPA. Seaport currently has only copies of these documents. Therefore, the best source of this information is EPA's files. Seaport indicates that they will supplement analysis of samples taken from wastewater with additional reports.

Accuracy—The address indicated in the database for this parcel is 3502 Lincoln Avenue. Murray Pacific's log sort yard is located on this parcel at 3502 Lincoln Avenue.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Murray Pacific Corporation	1967	6/88		8.7.2.33.2-0001 p. 2,3
Seaport Bark Supply 3542 Lincoln Avenue Tacoma, WA 98421	3/85	2/88		8.7.2.50.2-0003 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Murray Pacific Corp. c/o L.T. Murray III 3502 Lincoln Avenue Tacoma, WA 98421	9/67		X	8.7.2.33.2-0001 p. 1
Buffelen Woodworking Company P.O. Box 1383 Tacoma, WA 98401	--	9/67		8.7.2.33.2-0001 p. 1

Follow-Up Actions

1. Determine if the files in EPA's possession should be reviewed.
2. Resolve question regarding address.

SOLIDUS CORPORATION

Mailing address: P.O. Box 817
Tacoma, WA 98401

Contact: Glenn Tegen

Attorney: Eisenhower, Carlson, Newlands, Reha Henriot & Quinn
1201 Pacific Avenue
First Interstate Plaza, Suite 1200
Tacoma, WA 98402

Charles Douthwaite
206-572-4500

Parcel(s)	Address(es)
0321352050	1701 Alexander Avenue
0321352052	1800 Alexander Avenue
0321352053	1851 Alexander Avenue
0321352054	1701 Alexander Avenue

PRP Status: *MAYBE*

Basis for Classification: Proximity to Hylebos Waterway and current and past land use.

Environmental Information

Potential Contaminants—ChemPro parcel (0321352053): nitric acid, arsenic, hexavalent chromium, lead, cadmium, copper, nickel, zinc, petroleum products, PAHs, benzene, acetone, chlorobenzene, ethylbenzene, methylene chloride, PCE, toluene, TCA, xylene, TCE, PCBs, and phthalates. Poligen parcel (0321352052): chlorinated hydrocarbons, heavy metals, and asbestos (8.7.2.52.2-0001).

Sources—ChemPro: contaminated soil from spills, leaky tanks, unlined waste ponds, acid/base treatment facility. Poligen: landfill leachate (8.7.2.52.2-0001).

Pathways/Management Practices—Solidus claims that surface water drains to Blair Waterway (NW Processing parcel). Groundwater and surface water runoff (ChemPro parcel). Groundwater and surface water runoff (Poligen parcel) (8.7.2.52.2-0001).

104(e) Response Status

Completeness—Solidus does not indicate how long Northwest Processing has occupied the property, nor do they give details (i.e., dates, parcels occupied or owned) regarding the remaining owners and tenants. Solidus referenced the Northwest Processing response for details on several questions. Environmental information is mainly referenced to the parcel that ChemPro leased; further information is needed on the other parcels.

Accuracy—Solidus has confused Parcels 0321352050 and 0321352053 in the response. Solidus also states that these parcels drain to Blair Waterway rather than Hylebos Waterway. It is unclear which waterway the parcels actually drain to.

Tenant/Owner Information

Parcel 0321352050

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	7/88		X	8.7.2.52.2-0001A 8.7.2.36.2-0001A p. 1
Poligen, Inc.	6/20/74	7/88		8.7.2.36.2-0001A p. 1
Petro Processors, Inc.	--	--		8.7.2.52.2-0001A

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	10/2/81		X	8.7.2.52.2-0001A 201

Parcel 0321352052

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing, Inc.	7/88		X	8.7.2.52.2-0001A 8.7.6.36.2-0001A p. 1
Poligen, Inc.	6/20/74	7/88		8.7.6.36.2-0001A p. 1
Petro Processors, Inc.	--	--		8.7.2.52.2-0001A

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	10/2/81		X	8.7.2.52.2-0001A p. 1 201
Poligen, Inc.	4/21/81	10/2/81		201
(b) (6) P.O. Box 428 Montesano, WA 98563	2/28/69	4/24/81		201
Educators Manufacturing Company	12/7/61	2/28/69		201
Port of Tacoma	--	12/7/61		

Parcel 0321352053

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	12/31/86		X	201
Chemical Processors	10/1/75	12/31/86		201
Chemical Processors of Oregon	1974	10/1/75		201
Puget Sound Industrial Petroleum	1973	1974		201
Acology Oil/Aero Oil	1970	1973		201

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401	5/13/81		X	8.7.2.52.2-0001A p. 1 201
(b) (6) P.O. Box 428 Montesano, WA 98563	2/28/69	5/13/81		201
Educators Manufacturing Company	12/7/61	2/28/69		201

Parcel 0321352054

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Processing P.O. Box 817 Tacoma, WA 98401	7/88		X	8.7.2.52.2-0001A 201
Poligen, Inc.	--	7/88		201

Owner/Address	Dates Beginning	Dates End	Current	Reference
Solidus Corporation P.O. Box 817 Tacoma, WA 98401			X	8.7.2.52.2-0001A 201

Follow-Up Actions

1. Request that Solidus provide more specific information on past owners and tenants for Parcels 0321352050 and 0321352054. Specifically, length of ownership or occupancy should be indicated.

2. Determine if the parcels drain to Hylebos Waterway, Blair Waterway, or both.

3. Differentiate contaminants for each parcel.

SOUND REFINING, INC.

Mailing address: P.O. Box 1372
Tacoma, WA 98401

Contact: Harry McSwain, VP of Marketing
206-272-9348

Crysen Corporation
P.O. Box 15600
825 Parkcenter Drive
Santa Ana, CA 92705

Charles W. Durgin, VP/Secretary
714-835-6505

Parcel(s)	Address(es)
2275200201	2628 Marine View Drive
2275200200	2628 Marine View Drive
0321264064	2638 Marine View Drive
0321264048	2638 Marine View Drive
0321264005	2638 Marine View Drive
0321264004	2751 Marine View Drive
0321263012	3906 East 11th Street
0321263011	3906 East 11th Street
0321263000	4102 East 11th Street

PRP Status: *YES*

Basis for Classification: Proximity to Hylebos Waterway and past oil discharges to Hylebos Waterway.

Environmental Information

Potential Contaminants—Oil, kerosene, naphtha, TCA, toluene, acetone, and tetraethyl lead. Previous owner produced waste solvents and cyanide (8.7.2.53.1-0004, 200).

Sources—Oil spills into waterway and contaminated soil from tank cleaning (8.7.2.53.1-0004, 062).

Pathways/Management Practices—Surface water runoff to stormwater outfalls. NPDES permit to Hylebos (8.7.2.53.1-0004).

104(e) Response Status

Completeness—Crysen does not verify ownership by parcel numbers. Owner and tenant information is not provided. Crysen has claimed confidentiality in response to Questions 4, 11, 12, 13, and 16. This confidential information is not in PTI's possession so it is not possible for PTI to make an evaluation of completeness or accuracy regarding these questions.

Accuracy—Crysen indicates that Sound Refining is situated on 47 acres of land. According to the database, Sound Refining owns a total of 22.74 acres. It is not clear if Parcel 0321263000 adjoins the other two parcels and is part of the 47 acres discussed by Crysen.

Tenant/Owner Information

	Dates			
Tenant/Address	**Beginning**	**End**	**Current**	**Reference**
Sound Refining	--		X	REIL

	Dates			
Owner/Address	**Beginning**	**End**	**Current**	**Reference**
Sound Refining	--		X	REIL

Follow-Up Actions

1. Resolve question about number of acres Sound Refining owns.
2. Determine if confidentiality claim on Questions 4, 11, 12, 13, and 16 is valid.
3. Review response for Questions 4, 11, 12, 13, and 16.

STONE INVESTMENTS

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0321264031	2228 Marine View Drive
0321264059	2228 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: These parcels may have been used by Donald Oline for waste disposal.

Environmental Information

Potential Contaminants—Chlorinated solvents, asbestos, and heavy metals (070).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Stone Investments.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Stone Investments			X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

(b) (6)

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0321262140	3001 Marine View Drive

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Stracke.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Cascade Custom Covers	4/86		X	8.7.2.19.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6) [redacted] Tacoma, WA 98466	4/86?		X	8.7.2.19.2-0001
(b) (6) [redacted]	--	4/86		8.7.2.19.2-0001

Follow-Up Actions

1. Review 104(e) response when received.

SUPERLON PLASTICS

Mailing address: 2116 Taylor Way
Tacoma, WA 98421

Contact: Donald Richards
206-383-5877

Parcel(s)	Address(es)
0321351042	2116 Taylor Way

PRP Status: *MAYBE*

Basis for Classification: Tenants may have contributed to soil and surface water contamination and site may drain to Hylebos Waterway via HY-066.

Environmental Information

Potential Contaminants—Tetrahydrofuran, methyl ethyl ketone, oils, and polyethylene (8.7.2.56.2-0003).

Sources—None identified by Superlon Plastics.

Pathways/Management Practices—None identified by Superlon Plastics.

104(e) Response Status

Completeness—Environmental information is not complete. More information is needed regarding any possible sources of contamination at the site, spills, and surface water drainage.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Superlon Plastics	9/72		X	8.7.2.56.2-0003 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Nars, Ragnar #1 Stadium Way Tacoma, WA 98403	2/72		X	8.7.2.56.2-0003 p. 1
Justus Cedar Homes	--	2/72		8.7.2.56.2-0003 p. 1
DuPont Chemical Company	--	--		062
Lattimer-Goodwin Chemical	--	--		062

Follow-Up Actions

1. Perform a site inspection to determine if contamination is likely at the site.
2. Investigate previous tenants and owners and determine which, if any, should receive a request for information.

(b) (6)

(ALSO SEE TETRA TECH EVALUATION FOR GENERAL METALS)

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0321362032	1902 Marine View Drive
0321362033	1870 Marine View Drive
0321362037	1870 Marine View Drive
0321362038	1870 Marine View Drive
0321362051	1883 Marine View Drive
0321362053	1870 Marine View Drive

PRP Status: *YES*

Basis for Classification: History of illegal dumping or depositing solid wastes on the ground or into state waters.

Environmental Information

Potential Contaminants—See General Metals.

Sources—See General Metals.

Pathways/Management Practices—See General Metals.

104(e) Response Status

A 104(e) response has not been received from Sussman.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
General Metals	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Follow-Up Actions

1. Determine if the General Metals' response was intended to be Sussman's response as well.

TACOMA BOATBUILDING, INC.

Mailing address: 1840 Marine View Drive
Tacoma, WA 98422

Contact: Ray E. Nichols
206-572-3600

Parcel(s)	Address(es)
0321361800	1840 Marine View Drive
2275200010	401 Alexander Avenue

PRP Status: *YES*

Basis for Classification: Past discharges of acids and metals to Hylebos Waterway (0321361800). Potential for past and present land use to impact Hylebos Waterway (2275200010).

Environmental Information

Potential Contaminants—Methyl ethyl ketone; antifouling paints; resins; hydrochloric, hydrofluoric, chromic, and sulfuric acid contaminated with metals; paint strippers; oils; and sandblasting grit (8.7.2.58.2-0001).

Sources—Sediment in drainage ditch (antimony, arsenic, calcium, copper, lead, zinc, mercury, TCA) and contaminated soil (zinc, copper, toluene, ethylbenzene, xylene) (8.7.2.58.2-0001). Acid and cleaning tanks may overflow to Hylebos Waterway storm drains.

Pathways/Management Practices—Surface water runoff to drains (cadmium, mercury, copper, lead, zinc, arsenic, acetone, chloroform, sandblasting grit) (8.7.2.58.2-0001).

104(e) Response Status

Completeness—Tacoma Boatbuilding does not indicate when they purchased Parcel 0321361800. Tacoma Boatbuilding indicates that they have leased portions of Parcel 2275200010, but they do not provide dates of occupancy.

Accuracy—Tacoma Boatbuilding indicates that they have no information that supports EPA's contention that they occupy 51 acres of Parcel 2275200010. However, in reviewing the various portions of parcels that Tacoma Boatbuilding indicates they have leased or are leasing, the total acreage leased is at least 51 acres.

Tenant/Owner Information

Parcel 0321361800

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Tacoma Boatbuilding Company	1969		X	8.7.2.52.2-0003 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Tacoma Boatbuilding Company	--		X	8.7.2.52.2-0003 p. 1
(b) (6) (b) (6) Mercer Island, WA 98040	1974	--		8.7.2.52.2-0003 p. 1
(b) (6) (b) (6) Tacoma, WA 98465	1927	1974		8.7.2.52.2-0003 p. 1

Parcel 227520010

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Tacoma Boatbuilding Company	1969		X	8.7.2.52.2-0003 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Port of Tacoma U.S. Navy				

Follow-Up Actions

1. Determine when Tacoma Boatbuilding purchased Parcel 0321361800.
2. Determine length of time of various leases Tacoma Boatbuilding holds or has held regarding Parcel 227520010.

TAYLOR WAY INVESTMENT CORPORATION

Mailing address: Chemical Processors, Inc.
Park 90/5, Suite 400
2203 Airport Way S.
Seattle, WA 98134

Contact: 206-223-0500

Attorney:

Parcel(s)	Address(es)
0321263014	1501 Taylor Way
0321263031	1501 Taylor Way
0321263032	1501 Taylor Way

PRP Status: *YES*

Basis for Classification: Past discharge of contaminants to soils and surface water.

Environmental Information

Potential Contaminants—Copper, zinc, nickel, chromium, cadmium, lead, mercury, arsenic, and barium (8.7.2.7.2-0001, p. 148). Sulfides and pulp mill wastes (historical) (062).

Sources—Leaky vats of unknown liquids and contaminated soils (8.7.2.7.2-0001).

Pathways/Management Practices—Surface water runoff and possibly groundwater (8.7.2.7.2-0001).

104(e) Response Status

Completeness—Because Taylor Way has only owned the property and never operated on it, they did not provide responses to Questions 6-10. Taylor Way also states that Chemical Processors has not conducted business on the property even though they currently lease the property.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Chemical Processors, Inc.	2/29/88		X	8.7.2.59.2-0001 p. 4
Brazier Forest Products	1982	1985		8.7.2.7.2-0002 p. 3
Engineered Products	1968	1970		8.7.2.7.2-0002 p. 3
Sierra Sandblasting and Paint Co.	1968	1970		8.7.2.7.2-0002 p. 3
Keller's Sandblasting and Gunite Const.	1966	1968		8.7.2.7.2-0002 p. 3
Allied Building Components	1962	1965		8.7.2.7.2-0002 p. 3
Architectural Woods, Inc.	1958	1965		8.7.2.7.2-0002 p. 3
Chemical Process Company	1956	1960		8.7.2.7.2-0002 p. 3
Rayonier, Inc.	1940	--		8.7.2.7.2-0002 p. 3
Shaffer Pulp	1928	1932		8.7.2.7.2-0002 p. 3
Shaffer Box	1921	1928		8.7.2.7.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Taylor Way Properties, Inc. Park 90/5, Suite 400 2203 Airport Way S. Seattle, WA 98134	6/30/88		X	8.7.2.59.2-0001 p. 1
Taylor Way Investment Corporation (now Taylor Way Properties, Inc.)	4/30/86	6/30/88		8.7.2.59.2-0001 p. 1
Brazier Forest Industries P.O. Box 99945 Tacoma, WA 98499	4/26/85	4/30/86		8.7.2.7.2-0002 p. 2
Brazier, John Mr. & Mrs.	1974	4/26/85		8.7.2.7.2-0002 p. 2
Busy Bee Industries	1970	1974		8.7.2.7.2-0002 p. 2
Hylebos Properties, Inc.	1965	1970		8.7.2.7.2-0002 p. 2
Puget Sound National Bank	1954	1956		8.7.2.7.2-0002 p. 2
Powdered Metals, Inc.	1953	1954		8.7.2.7.2-0002 p. 2
Tacoma Powdered Metals	1946	1953		8.7.2.7.2-0002 p. 2
Centennial Flouring Mills	1944	1944		8.7.2.7.2-0002 p. 2
Bagley & Sewall	1943	1943		8.7.2.7.2-0002 p. 2
Rayonier, Inc.	1936	1942		8.7.2.7.2-0002 p. 2
Shaffer Pulp Company	1928	1935		8.7.2.7.2-0002 p. 2
Shaffer Box Company	1921	1928		8.7.2.7.2-0002 p. 2

Follow-Up Actions

1. Determine which prior owners and tenants should be sent a request for information.

U.S. GYPSUM COMPANY

Mailing address: USG Corporation
101 South Wacker Drive
Chicago, IL 60606-4385

Contact: Christopher J. McElroy
312-606-4000

Attorney: Gardner, Carton & Douglas
Suite 3400 - Quaker Tower
321 North Clark Street
Chicago, IL 60610-4795

John W. Watson
312-644-3000

Parcel(s)	Address(es)
0321351006	2301 Taylor Way
0321351026	2301 Taylor Way

Basis for Classification: Location on Hylebos Waterway and past land use.

Environmental Information

Potential Contaminants—ASARCO slag (arsenic), phenol-formaldehyde resin, petroleum products, chromium, and TCA (8.7.2.61.2-0002).

Sources—None identified by U.S. Gypsum.

Pathways/Management Practices—Surface water discharge to storm drains (8.7.2.61.2-0002).

104(e) Response Status

Completeness—USG did not include insurance information, but will make it available if desired.

Accuracy—Tenants and dates do not fully correspond to those in database (062).

Tenant/Owner Information

Parcel 0321351006

Tenant/Address	Dates Beginning	Dates End	Current	Reference
USG Interiors, Inc.	4/1/86		X	8.7.2.61.2-0002 p. 1
USG Acoustical Products Company	1/1/85	4/1/86		8.7.2.61.2-0002 p. 1
U.S. Gypsum Company	1959	1/1/85		8.7.2.61.2-0002 p. 1
American Rock Wool Company	--	1959		8.7.2.61.2-0002 p. 1
USG Interiors, Inc.	4/1/86		X	8.7.2.61.2-0002 p. 1
USG Acoustical Products Company	1/1/85	4/1/86		8.7.2.61.2-0002 p. 1
U.S. Gypsum Company	1959	1/1/85		8.7.2.61.2-0002 p. 1
American Rock Wool Company	--	1959		8.7.2.61.2-0002 p. 1

Parcel 0321351026

Tenant/Address	Dates Beginning	Dates End	Current	Reference
USG Interiors, Inc.	4/1/86		X	8.7.2.61.2-0002 p. 1
USG Acoustical Products Company	1/1/85	4/1/86		8.7.2.61.2-0002 p. 1
U.S. Gypsum Company	1959	1/1/85		8.7.2.61.2-0002 p. 1
American Rock Wool Company	--	1959		8.7.2.61.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
USG Interiors, Inc.	4/1/86		X	8.7.2.61.2-0002 p. 1
USG Acoustical Products Company	1/1/85	4/1/86		8.7.2.61.2-0002 p. 1
U.S. Gypsum Company	1959	1/1/85		8.7.2.61.2-0002 p. 1
American Rock Wool Company	--	1959		8.7.2.61.2-0002 p. 1

Follow-Up Actions

1. Determine which prior owners or tenants, if any, should receive a request for information.

2. Site investigation is needed to determine if contaminant sources are present.

U.S. NAVY

Mailing address: Officer in Charge of Construction
Naval Facilities Engineering Command Contacts
3505 NW Anderson Hill Road
P.O. Box 2360
Silverdale, WA 98383-2360

Contact: Patrick R. Vasicek,
Head, Environmental Restoration
206-476-5775

Parcel(s)	Address(es)
2275200502	1100 Alexander Avenue
2275200532	1100 Alexander Avenue

PRP Status: *MAYBE*

Basis for Classification: Chlorinated solvent-contaminated waste oil handled onsite and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—Sewage, oil, fuel, paint, solvents, sandblast grit, batteries, PCE, sodium phosphate, and xylene (Unnumbered response).

Sources—Ship holding tanks (sewage, oil), oil-water separator (oil), oil and paint spills onto site soils (Unnumbered response).

Pathways/Management Practices—Direct discharge (sewage, oil), storm drain (oil), groundwater (Unnumbered response).

104(e) Response Status

Completeness—The Navy does not verify ownership by parcel numbers.

Accuracy—The Navy indicates that they currently own a total of 9.03 acres rather than 10.61 acres as indicated in the database.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
U.S. Naval & Marine Corps Reserves	1940s		X	8.7.2.62.2-0002A

Owner/Address	Dates Beginning	Dates End	Current	Reference
U.S. Navy	9/15/43		X	Unnumbered response
(b) (6)	--	9/15/43		Unnumbered response

Follow-Up Actions

1. Resolve question regarding number of acres owned.
2. Perform a site reconnaissance to determine if site soils are contaminated.

VANCE LIFTRUCK

Mailing address: 3302 East 11th Street
Tacoma, WA 98421

Contact:

Attorney: Kessler & Johnson
543 Broadway
Tacoma, WA 98402

Kenneth S. Kessler
206-383-1751

Parcel(s)	Address(es)
2275200371	3302 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Past report of discharge to site soils and proximity to Hylebos Waterway.

Environmental Information

Potential Contaminants—TCA, other solvents, ethylene glycol, and waste oils (8.7.2.63.2-0002).

Sources—Oil-water separator (8.7.2.63.2-0002).

Pathways/Management Practices—Surface water runoff to Lincoln ditch (8.7.2.63.2-0002).

104(e) Response Status

Completeness—The response does not state how long Vance Liftruck has operated at this site, but Nordlund Properties indicates that Vance first occupied the site in 1967.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vance Liftruck	1967		X	8.7.2.35.2-0001 p. 6
Nordlund Boat Company	1959	1967		8.7.2.35.2-0001 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
Nordlund, Norman and Phyllis	--		X	8.7.2.35.2-0001 p. 6
(b) (6)	--	--		8.7.2.35.2-0001 p. 6

Follow-Up Actions

1. Conduct a site investigation to determine if sources of contaminants are present.
2. Determine how long the present owners have owned the parcel.

WESTERN ENGINEERING, LTD.

Mailing address: 6713 Pacific Highway E.
Tacoma, WA 98424

Contact: Mary C. Howard, Secretary

Parcel(s)	Address(es)
0420064074	6713 Pacific Highway E.
2750000120	6713 Pacific Highway E.

PRP Status: *MAYBE*

Basis for Classification: Past discharges of paints to Hylebos Creek.

Environmental Information

Potential Contaminants—Red oxide primer, zinc chromate, arsenic, copper, and lead (8.7.2.65.2-0002, 156).

Sources—Paint overspray and contaminated soil (8.7.2.65.2-0002).

Pathways/Management Practices—Surface water runoff (8.7.2.65.2-0002).

104(e) Response Status

Completeness—Western Engineering does not indicate how long they have been located at this site. They are researching prior ownership information. It is not clear from the response if Donna Howard is the current owner of both parcels or just the owner of Parcel 04200064074 as the database indicates. Western Engineering does not provide prior tenant information.

Accuracy—Western Engineering does not provide enough details, but the information provided appears to be acccurate.

Tenant/Owner Information

Parcel 0420064074

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Western Engineering	--		X	8.7.2.65.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	1973		X	8.7.2.65.2-0002 p. 1 REIL
	--	1973		8.7.2.65.2-0002 p. 1
	--	--		8.7.2.65.2-0002 p. 1
(KIST Bottling Company)				

Parcel 2750000120

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Western Engineering	--		X	8.7.2.65.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Western Engineering, Ltd. (or Donna Howard)	1973		X	8.7.2.65.2-0002 p. 1 REIL
(b) (6)	--	1973		8.7.2.65.2-0002 p. 1
	--	--		8.7.2.65.2-0002 p. 1
(KIST Bottling Company)				

Follow-Up Actions

1. Perform a site investigation to determine if contaminant sources remain onsite.
2. Determine how long Western Engineering has operated at this site.

WEYERHAEUSER COMPANY

Mailing address: Weyerhaeuser Company
CH 1M31
Tacoma, WA 98477

Contact: David C. Nicholson,
Environmental Affairs Manager
206-924-2661

Parcel(s)	Address(es)
0321362046	3401 Taylor Way
--	2340 Alexander Avenue

PRP Status: *YES*

Basis for Classification: Current use as log sort yard and potential for past use for waste disposal.

Environmental Information

Potential Contaminants—Oils and possibly explosives (109, 110).

Sources—Contaminated site soils, abandoned tanks, and pipelines (109, 110).

Pathways/Management Practices—Surface water runoff and runoff to storm sewer (110).

104(e) Response Status

Completeness—Weyerhaeuser does not indicate low long they have owned or occupied these parcels, nor do they provide prior tenant and ownership information. Weyerhaeuser does not provide a list of corporate officers and directors. No useful environmental information is included in the response.

Accuracy—Weyerhaeuser indicates that they operate a chipping facility at 2340 Alexander Avenue. The database does not list a parcel associated with this address. Weyerhaeuser claims that no spills have occurred, but there are large areas of contaminated soil onsite.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Weyerhaeuser Company	--		X	Unnumbered response

Owner/Address	Dates Beginning	Dates End	Current	Reference
Weyerhaeuser Company	--		X	Unnumbered response

Follow-Up Actions

1. Determine the parcel or parcels associated with 2340 Alexander Avenue.
2. Request that Weyerhaeuser provide more detailed information regarding past tenant and ownership information (including their own).
3. Perform a site investigation to determine magnitude of sources and contributions of abandoned tanks and pipelines. Determine whether explosives are a problem from previous site use.

GEORGIA PACIFIC RESINS, INC.

Mailing address: 133 Peachtree St. NE
P.O. Box 105605
Atlanta, GA 30348

Contact: Andrew F. Hodges,
Senior Counsel
404-521-4812

Parcel(s)	Address(es)
6965000561	1754 Thorne Road
6965000562	1754 Thorne Road

PRP Status: *YES*

Basis for Classification: History of onsite waste disposal by former tenant and owner, Pacific Resins and Chemicals (Pacific Resins).

Environmental Information

1) = Georgia Pacific; 2) = Pacific Resins.

Potential Contaminants—

1) Resins and polymers, substituted phenols, formaldehydes, alkyl amines, alcohols, acids and bases, urea, melamine. Less than 50,000 lbs/year handled (8.7.3.7.2-0002, p. 4).
2) Phenolic wastes (055).

Sources—

1) Used in synthetic processes onsite (8.7.3.7.2-0002, p. 3).
2) Spills, phenolic wastes disposed of in onsite ponds (055, 056).

Pathways/Management Practices—

1) Solid wastes recycled or disposed of offsite. Wastewater and rainwater accumulated in diked and sealed area and recycled. Spills contained by collection trenches and sumps. No known spills or leaks from current operation. Georgia Pacific performed some site cleanup [groundwater and contaminated soil removal from old ponds (145)], but ponds are probably still leaking (062). Storm drain (NPDES permitted) and groundwater are possible pathways (8.7.3.7.2-0002, pp. 5,7,9).
2) Seepage into groundwater, surface water runoff to storm drain, and contaminated soils.

104(e) Response Status

Completeness—Georgia Pacific does not provide insurance information or complete tenant and owner information (i.e., no dates were given) and it is not clear if the prior owners of the facility owned the property as well. Georgia Pacific does not discuss cleanup operations they undertook in 1982.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Georgia Pacific Resins, Inc.	7/81		X	8.7.3.7.2-0002 p. 1
Pacific Resins	--	7/81		8.7.3.7.2-0002 p. 1
Balfour Guthrie	--	--		8.7.3.7.2-0002 p. 1
Hercules Chemicals	--	--		

Owner/Address	Dates Beginning	Dates End	Current	Reference
Georgia Pacific Resins, Inc.	7/81		X	8.7.3.7.2-0002 p. 1
Balfour Guthrie	--	--		8.7.3.7.2-0002 p. 1

Follow-Up Actions

1. Resolve questions regarding past owners and tenants, and determine which, if any, should receive a request for information.

MANN RUSSEL ELECTRONICS

Mailing address: **Contact:**

Parcel(s)	Address(es)
6965000330	1401 Thorne Road

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Sitcum Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Mann Russel Electronics.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Mann Russel Electronics	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Mann Russel Electronics	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

MINTERCREEK DEVELOPMENT

Mailing address: 4224 Waller Road
Tacoma, WA 98443

Contact: (b) (6)
206-922-6676

Parcel(s)	Address(es)
6965000220	2311 Ross Way
6965000230	2311 Ross Way

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Sitcum Waterway.

Environmental Information

Potential Contaminants—No information is provided by Mintercreek Development.

Sources—No information is provided by Mintercreek Development.

Pathways/Management Practices—No information is provided by Mintercreek Development.

104(e) Response Status

Completeness—This response is not adequate. Mintercreek owns the parcels for investment purposes only and has never occupied them. Therefore, the response does not provide operating practices and hazardous materials information. Also missing from the response is corporate structure information, insurance information, and prior ownership information. Mintercreek does not verify ownership of parcels by parcel number.

Accuracy—In the response submitted by APEX, they indicate that they only occupy Parcel 6965000230. According to real estate records, APEX occupies both parcels.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
APEX Forge & Steel	4/22/83		X	8.7.2.31.2-0001A 8.7.3.2.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Mintercreek Development	8/83		X	8.7.2.31.2-0001A

Follow-Up Actions (also see Hylebos Waterway Mintercreek)

1. Determine prior owners and tenants and which, if any, should receive a request for information.

2. As suggested in the APEX evaluation, the discrepancy regarding occupancy of one parcel vs. two parcels should be resolved.

3. Once prior tenants and owners are identified, request environmental information from them.

MODERN PROPERTIES

(ALSO SEE TETRA TECH EVALUATION WILLIAM DRURY AND HERTZ EQUIPMENT - SITCUM WATERWAY)

Mailing address: P.O. Box 110880
Tacoma, WA 98411

Contact:

Attorney: Bonneville, Viert, Morton & McGoldrick
820 A Street, Suite 600
P.O. Box 1533
Tacoma, WA 98401

Daniel N. Schuman
206-627-8131

Parcel(s)	Address(es)
2275200730	2016 East 11th Street
2275200740	2006 East 11th Street
2275200750	2220 East 11th Street
2275200760	2220 East 11th Street
2275200820	Back of 220 East 11th Street
2275200840	1125 Thorne Road

PRP Status: *YES* - Parcels 2275200750 and 2275200760
MAYBE - Parcels 2275200740 and 2275200840
UNKNOWN - Parcels 2275200730 and 2275200820

Basis for Classification: Past land use and proximity to Sitcum Waterway.

Environmental Information

See Hertz Equipment, William Drury, and Suburban Propane responses.

104(e) Response Status

Completeness—Modern Properties does not supply prior tenant information, nor do they state how long the current tenant has occupied the property. In some cases, this information is supplied by the tenant. Modern Properties does not provide information regarding operations or hazardous materials but references the tenants' responses instead.

Accuracy—According to real estate records, Parcel 2275200760 is occupied by William Drury and has an address of 2220 East 11th Street, and Parcel 2275200820 is vacant and has an address of Back of 220 East 11th Street. However, according to Modern Properties, Parcel 2275200820 is part of the 2220 East 11th Street site and is occupied by William Drury Company. Modern Properties does not discuss Parcel 2275200760 in their response. Also, according to real estate records, Suburban Propane is the current occupant of Parcel 2275200840, but Modern Properties states that Pargas, Inc. is the current tenant. Suburban Propane and Pargas merged in 1985. The current phone book lists Suburban Propane as the occupant.

Tenant/Owner Information

Parcels 2275200730 and 2275200740

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Hertz Equipment	--		X	8.7.3.14.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Modern Properties, Inc. P.O. Box 110880 Tacoma, WA 98411 (formerly Foreign Traders)	6/29/59		X	8.7.3.14.2-0001 p. 2
Foreign Traders, Inc. (formerly B&M Distributing)	4/1/59	6/29/59		8.7.3.14.2-0001 p. 2
B&M Distributing	9/16/47	4/1/59		8.7.3.14.2-0001 p. 2
Port of Tacoma	--	9/16/47		8.7.3.14.2-0001 p. 2

Parcels 2275200750, 2275200760, and 2275200820

Tenant/Address	Dates Beginning	Dates End	Current	Reference
William Drury Company	1972		X	8.7.3.14.2-0001 p. 2 8.7.3.2.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Modern Properties, Inc. P.O. Box 110880 Tacoma, WA 98411 (formerly Foreign Traders)	6/29/59		X	8.7.3.14.2-0001 p. 2
Foreign Traders, Inc. (formerly B&M Distributing)	4/1/59	6/29/59		8.7.3.14.2-0001 p. 2
B&M Distributing	5/17/49	4/1/59		8.7.3.14.2-0001 p. 2
Port of Tacoma	--	5/17/49		8.7.3.14.2-0001 p. 2

Parcel 2275200840

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Suburban Propane	12/31/85		X	8.7.3.14.2-0001 p. 2
Pargas of Tacoma	1/1/78	12/31/85		8.7.3.14.2-0001 p. 2 8.7.3.24.2-0001 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Modern Properties, Inc. P.O. Box 110880 Tacoma, WA 98411 (formerly Foreign Traders)	6/29/59		X	8.7.3.14.2-0001 p. 2
Foreign Traders, Inc. (formerly B&M Distributing)	4/1/59	6/29/59		8.7.3.14.2-0001 p. 2
B&M Distributing	9/16/47	4/1/59		8.7.3.14.2-0001 p. 2
Port of Tacoma	--	9/16/47		8.7.3.14.2-0001 p. 2

Follow-Up Actions (also see Hylebos Waterway Mintercreek)

1. Resolve discrepancies regarding parcel addresses and occupancy.
2. Determine prior tenants and which, if any, should receive a request for information.

NELSON, CARL

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
6965000240	2235 Ross Way

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Sitcum Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Nelson.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Tacoma-Port Angeles Auto Freight	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Nelson, Carl	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

PACIFIC RIM PACKAGING CORPORATION

Mailing address: 801 Chesley Avenue
P.O. Box 4026
Richmond, CA 94804-0026

Contact: Thomas S. Robson
415-234-7114

Parcel(s)	Address(es)
6965000380	1702 Port of Tacoma Road
6965000390	1702 Port of Tacoma Road

PRP Status: *YES*

Basis for Classification: Discharge of liquids from spray booths to storm sewer that drains to Sitcum Waterway.

Environmental Information

Potential Contaminants—Paints, phenolic/epoxy linings and coatings, resins, methyl ethyl ketone, butyl Cellosolve, isopropanol, isobutanol, acetone, Cellosolve solvent, hexane, xylene, toluene, lead chromate, titanium dioxide, phenol, ethylene glycol, pentachlorophenol, methylene chloride, triethyl amine, formaldehyde, (bis)2-ethyl hexyl phthalate, butyl benzyl phthalate, phenyl mercuric acetate, ethoxy ethanol, aromatic hydrocarbons, methyl isobutyl ketone, aliphatic hydrocarbons, cyclohexanol, alkyl sulfates (8.7.3.21.2-0001, pp. 2,146).

Sources—Water wash paint booth (liquid, sludge) (8.7.3.21.2-0001). Possible leaking transformer, owned by city of Tacoma (No reference).

Pathways/Management Practices—Liquid disposed of in storm sewer. Ordered to desist this disposal 31 January 1984. Sludge landfilled offsite (No reference). Storm sewer discharging into Sitcum Waterway gathers surface runoff. Groundwater flows toward Blair Waterway (8.7.3.21.2-0001 pp. 2,3).

104(e) Response Status

Completeness—No confirmation of ownership of parcels by parcel numbers is provided. Insurance information is not provided, but is available if requested. The connection between Rheem Manufacturing and Rheem Pacific, if any, is not clear.

Accuracy—Pacific Rim indicates that they own a total of 8.5 acres, but only 3 acres are developed. According to real estate records, Pacific Rim owns a total of 3 acres.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Pacific Rim Packaging Corp.	1/1/89		X	8.7.3.21.2-0001 p. 2
Rheem Pacific Packaging Corp.	1/1/86	1/1/89		8.7.3.21.2-0001 p. 2
Rheem Manufacturing Corp.	1957	1/1/86		8.7.3.21.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Pacific Rim Packaging Corp.	1/1/89		X	8.7.3.21.2-0001 p. 2
Rheem Pacific Packaging Corp.	1/1/86	1/1/89		
Rheem Manufacturing Corp.	1957	1/1/86		
Port of Tacoma	--	1957		

Follow-Up Actions

1. Determine connection between Pacific Rim and Rheem Packaging, if any, and send additional general notice letters and requests for information, if necessary.

2. Resolve discrepancy regarding the number of acres Pacific Rim owns.

3. Obtain a copy of the subsurface contamination study from GeoEngineers, Inc. that shows minor subsurface contamination.

4. Investigate the possibility of a leaking transformer onsite.

(b) (6)

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
6965000210	2331 Ross Way

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Sitcum Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Shortt.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Shortt Saw & Knife	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

TACOMA-PORT ANGELES AUTO FREIGHT

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
6965000240	2235 Ross Way

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Sitcum Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Tacoma-Port Angeles Auto Freight.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Tacoma-Port Angeles Auto Freight	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

COASTCRAFT, INC.

(ALSO SEE COASTCRAFT, INC. - CITY WATERWAY)

Mailing address: 1002 East F Street
P.O. Box 1777
Tacoma, WA 98401-1777

Contact: Mark Mennella, General Manager
206-272-1154

Attorney: Gordon, Thomas, Honeywell, Malanca, Peterson & Daheim
2200 First Interstate Plaza
P.O. Box 1157
Tacoma, WA 98401

Bradley B. Jones
206-572-5050

Parcel(s)	Address(es)
8950000760	1002 East F Street
8950000880	919 East F Street

PRP Status: *MAYBE*

Basis for Classification: Proximity to Middle Waterway and use of pentachlorophenol and other chemicals.

Environmental Information

Contaminants—Diesel fuel, lubrication oil, pentachlorophenol, resins, glues, sulfites, sodium hydroxide, diethylaminoethanol, sulfuric acid, toluene, xylene, ammonium chloride, formaldehyde, paints, thinners (8.7.7.2.2-0002).

Sources—Ground disposal of phenolic glue wastes (045, 158).

Pathways/Management Practices—Storm drains, groundwater (8.7.7.2.2-0002).

104(e) Response Status

Completeness—Coastcraft does not explain their relationship, if any, with Coast Sash & Door. Verification of ownership by parcel number is not provided. The response is not detailed enough to determine when and from whom Coastcraft purchased the parcels, present and prior tenants, and to which waterway the parcels drain.

Accuracy—The database indicates that Parcels 8950000760 and 8950000880 drain to Middle Waterway while Parcels 6375000030 and 8950001870 drain to City Waterway. Coastcraft does not supply enough information to verify the drainage information.

Tenant/Owner Information

Parcel 8950000760

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Coast Sash & Door	--		X	REIL
Coastcraft	--		X	8.7.7.2.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Coastcraft, Inc. 1002 East F Street P.O. Box 1777 Tacoma, WA 98401-1777			X	8.7.7.2.2-0002 p. 1

Parcel 8950000880

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Coast Sash & Door	--		X	REIL
Coastcraft	--		X	8.7.7.2.2-0002 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Coastcraft, Inc. 1002 East F Street P.O. Box 1777 Tacoma, WA 98401-1777			X	8.7.7.2.2-0002 p. 1

Follow-Up Actions

1. Request details regarding ownership (i.e., dates and prior owners) and tenancy (i.e., present and prior tenants and dates of occupancy).
2. Request clarification regarding Coastcraft's association with Coast Sash & Door.
3. Determine which, if any, present and prior tenants and owners should receive a request for information.
4. Determine if parcel drainage specified in the database is correct.
5. Perform a site investigation to determine sources and pathways of contaminants.

COOK'S MARINE SPECIALTIES

Mailing address: 223 East F Street
Tacoma, WA 98421

Contact: Stuart Cook
206-272-0424

Parcel(s)	Address(es)
8950000741	223 East F Street

PRP Status: *YES*

Basis for Classification: Past discharge of hazardous materials to Middle Waterway.

Environmental Information

Contaminants—Sandblast grit (metals), epoxies, enamels, paints (tributyltin), thinners (toluene and acetone), oil, fuel, detergents, used batteries (8.7.5.2.2-0001, 161).

Sources—Sandblast grit on ground, soil contamination (161).

Pathways/Management Practices—Surface water runoff (8.7.5.2.2-0001). Direct discharge of antifouling paint into waterway (078).

104(e) Response Status

Completeness—Cook's Marine does not supply complete tenant and owner information.

Accuracy—Cook's Marine states that they are not aware of any spills, leaks, or pipeline breaks, but according to the database, Ecology inspectors found antifouling paint dripping into Middle Waterway (078).

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Cook's Marine Specialties	9/81		X	8.7.5.2.2-0001 p. 1
Peterson Boat Building	--	--		8.7.5.2.2-0001 p. 1
Foss Launch & Tug	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime Company 225 East F Street Tacoma, WA 98421	--		X	REIL

Follow-Up Actions

1. Obtain complete information about prior owners and tenants and determine which, if any, should receive a request for information.

FOSS LAUNCH & TUG

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
8950000741	223 East F Street
8950000742	225 East F Street
8950000743	East F Street

PRP Status: *YES*

Basis for Classification: Past discharges of waste materials to Middle Waterway.

Environmental Information

Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

Foss Launch & Tug has not responded to the 104(e) request for information. Foss Maritime, which owns the property and probably owns or owned Foss Launch & Tug has also not responded to the 104(e) request for information. There is no listing in the current phone book for Foss Launch & Tug.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 8950000741

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Foss Launch & Tug	--		X	REIL
Cook's Marine Specialties	9/81		X	8.7.5.2.2-0001 p. 1
Peterson Boat Building	--	--		8.7.5.2.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	--		X	REIL

Parcels 8950000742 and 8950000743

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Foss Launch & Tug			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	--		X	REIL

Follow-Up Actions

1. Review Foss Maritime's response when received to determine present and past tenants and past owners.

2. Determine which prior tenants and owners, if any, should receive a request for information.

FOSS MARITIME

Mailing address: Foss Maritime Company
660 West Ewing Street
Seattle, WA 98119

Contact: Joseph Langjahr

Attorney: Garvey, Schubert & Barer
Tenth Floor
1011 Western Avenue
Seattle, WA 98104-1023

Thomas M. Kilbane, Jr.
206-464-3939

Parcel(s)	Address(es)
6375000011	313 East F Street
8950000741	223 East F Street
8950000742	223 East F Street
	255 East F Street
8950000743	East F Street

PRP Status: *YES*

Basis for Classification: Past discharge of waste material to Middle Waterway.

Environmental Information

Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

Foss Maritime has not responded to the 104(e) request for information.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 6375000011

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Marine Industries P.O. Box 1275 Tacoma, WA 98401	9/81		X	8.7.5.4.2-0001 p. 1
Peterson Boat Building	--	--		8.7.5.4.2-0001 p. 1
Foss Launch & Tug	--	--		8.7.5.4.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime 660 West Ewing Street Seattle, WA 98119	--		X	8.7.5.4.2-0001 p. 1
Foss Launch & Tug	--	--		8.7.5.4.2-0001 p. 1

Parcel 8950000741

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Foss Launch & Tug	--		X	REIL
Cook's Marine Specialties	9/81		X	8.7.5.2.2-0001 p. 1
Peterson Boat Building	--	--		8.7.5.2.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	--		X	REIL

Parcel 8950000742

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Foss Launch & Tug (225 East F Street)	--		X	REIL
Pioneer Painting Company (255 East F Street)	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime Company 660 West Ewing Street Seattle, WA 98119	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

PIONEER PAINTING COMPANY

Mailing address: 255 East F Street
Tacoma, WA 98421

Contact:

Attorney:

Parcel(s)	Address(es)
8950000742	255 East F Street

PRP Status: *MAYBE*

Basis for Classification: Past and present activities may have contributed to contamination of Middle Waterway.

Environmental Information

Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A response to the 104(e) request for information has not been received from Pioneer Painting. It appears that the 104(e) notice letter was sent to Pioneer-Gudmundson Painting Company at 255 East F Street. A letter from Gudmundson Company, Inc. states that Pioneer-Gudmundson was a joint venture for one project only - the Husky Stadium. The current telephone book lists the Pioneer Painting Company at 255 East F Street.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Pioneer Painting Company	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Foss Maritime 660 West Ewing Street Seattle, WA 98119	--		X	REIL

Follow-Up Actions

1. Contact Pioneer Painting Company about the 104(e) response.
2. Review 104(e) response when received.

SIMPSON TACOMA KRAFT COMPANY

(ALSO SEE TETRA TECH EVALUATION FOR SIMPSON TACOMA KRAFT - ST. PAUL WATERWAY)

Mailing address: 801 Portland Avenue
Tacoma, WA

Contact:

Attorney: Preston, Thorgrimson, Ellis & Holman
5400 Columbia Seafirst Center
701 Fifth Avenue
Seattle, WA 98104-7011

Kenneth S. Weiner
206-623-7580

Parcel(s)	Address(es)
0320041033	Near Busti Street
8950000540	917 East 11th Street

PRP Status: *YES*

Basis for Classification: The basis for classification for these parcels is given as past drainage of mill effluents directly to St. Paul Waterway. It is not clear if mill effluents from these parcels drain to Middle Waterway, so it is not clear what the basis for classification is for these parcels.

Environmental Information

Contaminants—Copper, naphthalene, phenolic compounds, phthalates, zinc (066).

Sources—Kraft mill, contaminated soil (066).

Pathways/Management Practices—Possible surface water drainage to Middle Waterway (067).

104(e) Response Status

Completeness—Simpson does not address the questions in the request for information but includes three documents that were prepared as part of the remedial activities that Simpson has undertaken for St. Paul Waterway. Therefore, parcel ownership is not verified and the ownership and tenancy history of the parcels is not included. Insurance information and corporate structure information are also not provided.

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Simpson Tacoma Kraft	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Simpson Tacoma Kraft 801 Portland Avenue Tacoma, WA	--		X	REIL

Follow-Up Actions

1. Determine the basis for classification, if any, for these parcels.
2. Request that Simpson respond to corporate, insurance, and parcel information.

UNION PACIFIC RAILROAD COMPANY

(ALSO SEE TETRA TECH EVALUATION FOR PAXPORT MILLS)

Mailing address: Law Department
1416 Dodge Street
Omaha, NE 68179

Contact: Nancy A. Roberts, General Attorney
402-271-4752

Attorney:

Parcel(s)	Address(es)
8950000551	300 Middle Waterway

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to Middle Waterway.

Environmental Information

Contaminants—None identified by Union Pacific.

Sources—None identified by Union Pacific.

Pathways/Management Practices—None identified by Union Pacific.

104(e) Response Status

Completeness—According to Union Pacific, Union Pacific Realty Company, a wholly-owned subsidiary of Union Pacific, owns this parcel. For that reason, Union Pacific does not address this parcel in their response.

Accuracy—According to Paxport Mills, Simpson Tacoma Kraft owns this property.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Paxport Mills	1950		X	8.7.5.5.2-0001 p. 1
G. Andersen Fuel & Transfer Company	11/1/61	8/31/66		8.7.5.5.2-0001 p. 2
Friesen Lumber Company	6/10/66	--		8.7.5.5.2-0001 p. 2
Tide Lumber Company	1950	--		8.7.5.5.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Simpson Tacoma Kraft	--		X	8.7.5.5.2.-0001 p. 1,2
Union Pacific Realty Company			X	8.7.5.9.2-0002 p. 2
Union Pacific Railroad	--	--		8.7.5.5.2-0001 p. 1,2
Oregon-Washington Railroad and Navigation Company	--	--		8.7.5.5.2-0001 p. 1,2

Follow-Up Actions

1. Determine if Simpson Tacoma Kraft or Union Pacific Realty owns the property.
2. Determine which, if any, of the prior tenants and owners should receive a request for information.

CHEVRON

Mailing address: P.O. Box 7141
San Francisco, CA 94120-7141

Contact: Jeffrey J. Truskey, Attorney
415-894-4849

Parcel(s)	Address(es)
0320044002	1648 East J Street

PRP Status: *MAYBE*

Basis for Classification: Proximity to Wheeler-Osgood Waterway and land use.

Environmental Information

Contaminants—Diesel fuel, gasoline, heating fuel, fuel oil, aviation fuel, lubricating oil, benzene, toluene, ethylbenzene, xylene (8.7.6.2.2-0001).

Sources—Loading rack area (groundwater), contaminated soil (petroleum hydrocarbons, mostly diesel; benzene, toluene, ethylbenzene, xylene) (8.7.6.2.2-0001).

Pathways/Management Practices—Surface water runoff, oil-water separator to storm drain, contaminated groundwater (petroleum product) (8.7.6.2.2-0001).

104(e) Response Status

Completeness—Chevron does not indicate the dates that tenants occupied the site. It is likely that Chevron has not submitted a complete list of tenants. Chevron states that they are unable to make a determination about the ownership and tenancy of the property as listed in the database.

Accuracy—Chevron indicates that they have sublet the property to other companies. This implies that they lease the property rather than own it as the database indicates.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Griffen-Galbraith 1646 East J Street Tacoma, WA 98421-1693	8/27/82	5/31/89		8.7.6.4.2-0002 p. 3
Associated Petroleum Products 2320 Milwaukie Way Tacoma, WA	--	--		8.7.6.4.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Chevron Corporation P.O. Box 7141 San Francisco, CA 94120-7141	1905		X	8.7.6.2.2-0001 p. 2

Follow-Up Actions

1. Determine if the property is currently occupied.
2. Determine all prior tenants and dates of occupancy. Determine which, if any, of the prior tenants should receive a request for information.

GRIFFEN-GALBRAITH

Mailing address: Mathews Heating Oils, Inc.
1646 East J Street
Tacoma, WA 98421-1693

Contact: Dugald H. Stewart, Chairman
206-627-3151

Parcel(s)	Address(es)
0320044002	1648 East J Street

PRP Status: *MAYBE*

Basis for Classification: Facility has spilled oil into site soils.

Environmental Information

Contaminants—Waste oil, heating oil, lubricating oil, transmission fluid, motor oil, hydrofluoric acid, sodium hydroxide (8.7.6.4.2-0002).

Sources—Washwater goes to floor drain. Contaminated soil (8.7.6.4.2-0002, 062).

Pathways/Management Practices—Storm drains (8.7.6.4.2-0002).

104(e) Response Status

Completeness—Griffen-Galbraith does not verify occupancy by parcel number, but they do state that they no longer occupy the 1648 East J Street site (Parcel 032004402). They are currently located at 1646 East J Street (Parcel 0320041021), which is owned by Rainier Plywood and leased to Griffen-Galbraith (8.7.6.6.2-0002, p. 2).

Accuracy—According to the database, this site has been the scene of several spills (no reference). Griffen-Galbraith states that there have been no reportable spills or leaks.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Griffen Galbraith 1646 East J Street Tacoma, WA 98421-1693	8/27/82	5/31/89		8.7.64.2-0001 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Chevron Corporation P.O. Box 7141 San Francisco, CA 94120-7141	1905		X	8.7.6.2.2-0001 p. 2

Follow-Up Actions

1. Determine if Parcel 0320044002 is currently occupied.
2. Determine prior tenants and which, if any, should receive a request for information.
3. Perform a site investigation to determine if sources of contamination are present.

WESTERN PLASTICS

(ALSO SEE TETRA TECH EVALUATION FOR NORTHWEST CONTAINERS - WHEELER-OSGOOD WATERWAY)

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
0320045001	635 East 15th Street
0320045002	635 East 15th Street
0320045003	631 East 15th Street
0320045004	631 East 15th Street

PRP Status: *MAYBE*

Basis for Classification: Type of business and proximity to Wheeler-Osgood Waterway.

Environmental Information

Contaminants—See Northwest Container Corporation.

Sources—See Northwest Container Corporation.

Pathways/Management Practices—See Northwest Container Corporation.

104(e) Response Status

A 104(e) response for information has not been received from Western Plastics. Premier Industries, owner of Northwest Container Corporation, states that Western Plastics does not own these parcels, but that Premier Industries does (8.7.6.5.2-0002, p. 3). Premier Industries also indicates that Hepworth Ceramics was the former owner of these parcels. Western Plastics was, or is, a division of Hepworth.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 0320045002

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Northwest Container Corporation	9/79		X	8.7.6.5.2-0002 p. 4

Owner/Address	Dates Beginning	Dates End	Current	Reference
Premier Industries 1019 Pacific Avenue, Suite 1501 Tacoma, WA 98402	5/11/87		X	8.7.6.5.2-0002 p. 3
Hepworth Ceramics, Inc. 820 A Street, Suite 600 Tacoma, WA 98402	10/80	5/11/87		8.7.6.5.2-0002 p. 3
Western Realty Corporation	1955	10/80		8.7.6.5.2-0002 p. 3

Parcels 0320045001, 0320045003, 0320045004

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	8.7.6.5.2-0002 p. 3 REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Premier Industries 1019 Pacific Avenue, Suite 1501 Tacoma, WA 98402	5/11/87		X	8.7.6.5.2-0002 p. 3
Hepworth Ceramics, Inc. 820 A Street, Suite 600 Tacoma, WA 98402	10/80	5/11/87		8.7.6.5.2-0002 p. 3
Western Realty Corporation	1955	10/80		8.7.6.5.2-0002 p. 3

Follow-Up Actions

1. Determine Western Plastics current status and if they ever owned or operated on this site.

CITY OF TACOMA - GENERAL GOVERNMENT

Mailing address: Office of City Attorney
Tacoma Municipal Building
747 Market Street, Suite 1120
Tacoma, WA 98402-3767

Contact: Bill Barker
206-591-5885
Michael Price, Sewer Utility Chief
206-591-5593
(for additional information)

Parcel(s)	Address(es)
8950001960	1131 Dock Street
	1133 Dock Street
	1137 Dock Street
	11th & Dock Street
8950002100	1025 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Floor drains at 1137 Dock Street discharged to City Waterway. Past land use and proximity to City Waterway.

Environmental Information

The property at 1133 Dock Street is currently classified as *UNKNOWN*. Because it is in close proximity to 1131 and 1137 Dock Street and has been occupied by a machine shop, it should be reclassified as *MAYBE*.

Potential Contaminants—None identified by city of Tacoma.

Sources—None identified by city of Tacoma.

Pathways/Management Practices—None identified (other than storm drains) by city of Tacoma.

104(e) Response Status

Completeness—City of Tacoma does not indicate when or from whom they purchased this property, nor do they indicate previous tenants. Very little environmental information is included. The information that is provided does not allow a determination of which contaminants, sources, and pathways might apply to each parcel.

Accuracy—There are several problems with the response regarding parcel ownership and tenancy. Much of the information received from the city of Tacoma conflicts with information in the database. In response to Question 2, Tacoma states that the General Government has held Parcel 8950001960 only, and that the remaining properties listed in the database are held by the city of Tacoma Department of Public Utilities. However, in response to Question 3, the city of Tacoma states that the General Government has leased portions of Parcels 8950001906, 8950002010, and 8950002100. It is not clear if the General Government was the lessor or lessee of the properties.

Tenant/Owner Information

Parcel 8950001960 - 1131 Dock Street

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Sea Scouts	--		X	8.7.7.1.2-0002 p. 6
Coast Iron	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	--		X	8.7.7.1.2-0002 p. 6

Parcel 8950001960 - 1133 Dock Street

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Pacific Machine Shop	--	--		8.7.7.1.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	--		X	8.7.7.1.2-0002 p. 6

Parcel 8950001960 - 1137 Dock Street

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Western Fish & Oyster	--		X	8.7.7.1.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	--		X	8.7.7.1.2-0002 p. 6

Parcel 8950001960 - 11th & Dock Street

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Marine Services	--		X	REIL
Tacoma Steam Plant	--	--		8.7.7.1.2-0002A p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	5/88		X	8.7.7.1.2-0002 p. 6

Parcel 8950002100

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Marine Services	--		X	8.7.7.1.2-0002 p. 6 8.7.7.1.2-0002A p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	11/10		X	8.7.7.1.2-0002A p. 2

Follow-Up Actions

1. Conduct an investigation at the Pierce County auditor's office to resolve ownership and tenancy questions regarding the parcels.

2. Determine which tenants[a] and owners (past and present), if any, should be sent a request for information.

3. Request more detailed environmental information on specific parcels as well as a separate response for each parcel.

[a] Please note that Coast Iron and Western Fish & Oyster have been sent a 104(e) general notice letter and request for information but have not yet responded.

CITY OF TACOMA - DEPARTMENT OF PUBLIC UTILITIES

Mailing address: Tacoma Public Utilities
3628 S. 35th Street
P.O. Box 11007
Tacoma, WA 98411

Contact: E.E. Coates, Director
206-383-2471
Bill Barker, Coordinator of Information
206-591-5885

Attorney: Office of City Attorney
Tacoma Municipal Building
747 Market Street, Suite 1920
Tacoma, WA 98402-3767

G.S. Karavitis
206-591-5885

Parcel(s)	Address(es)
8950001960	1141 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Past land use and proximity to City Waterway.

Environmental Information

Potential Contaminants—See city of Tacoma, General Government.

Sources—See city of Tacoma, General Government.

Pathways/Management Practices—See City of Tacoma, General Government.

104(e) Response Status

The city of Tacoma Department of Utilities has not submitted a response that PTI is aware of. See comments from city of Tacoma, General Government.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma Light Plant	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Dept. of Public Utilities	--		X	REIL

Follow-Up Actions

1. Obtain and review 104(e) response.

COASTCRAFT, INC.

(ALSO SEE COASTCRAFT, INC. - MIDDLE WATERWAY)

Mailing address: 1002 East F Street
P.O. Box 1777
Tacoma, WA 98401-1777

Contact: Mark Mennella, General Manager
206-272-1154

Attorney: Gordon, Thomas, Honeywell,
Malanca, Peterson & Daheim
2200 First Interstate Plaza
P.O. Box 1157
Tacoma, WA 98401

Bradley B. Jones
206-572-5050

Parcel(s)	Address(es)
6375000030	1002 East F Street
8950001870	1933 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Use of pentachlorophenol and other chemicals and proximity to City Waterway.

Environmental Information

Potential Contaminants—Diesel fuel, lubrication oil, pentachlorophenol, resins, glues, sulfites, sodium hydroxide, diethylaminoethanol, sulfuric acid, toluene, xylene, ammonium chloride, formaldehyde, paints, thinners (8.7.7.2.2-0002).

Sources—Ground disposal of phenolic glue wastes (045, 158).

Pathways/Management Practices—Storm drains, groundwater (8.7.7.2.2-0002).

104(e) Response Status

Completeness—Coastcraft does not explain their relationship, if any, with Coast Sash & Door. Verification of ownership by parcel number is not provided. The response is not detailed enough to determine when and from whom Coastcraft purchased the parcels, present and prior tenants, and to which waterway the parcels drain.

Accuracy—The database indicates that Parcels 6375000030 and 8950001870 drain to City Waterway, and Parcels 8950000760 and 8950000880, which Coastcraft also owns, drain to Middle Waterway. Coastcraft does not supply enough information to verify the drainage information.

Tenant/Owner Information

Parcel 6375000030

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Coast Sash & Door	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Coastcraft, Inc. 1002 East F Street P.O. Box 1777 Tacoma, WA 98401-1777	--		X	8.7.7.2.2-0002 p. 1

Parcel 8950001870

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Brandrud Furniture	9/8/86		X	8.7.7.7.2-0001 p. 1
Harmon Cabinets, Inc.	--	9/8/86		8.7.7.7.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Coastcraft, Inc. 1002 East F Street P.O. Box 1777 Tacoma, WA 98401-1777	--		X	8.7.7.2.2-0002 p. 1

Follow-Up Actions

1. Request details regarding ownership (i.e., dates and prior owners) and tenancy (i.e., present and prior tenants and dates of occupancy).

2. Request clarification regarding Coastcraft's association, if any, with Coast Sash & Door.

3. Determine which, if any, present and prior tenants and owners should receive a request for information.

4. Determine if parcel drainage specified in the database is correct.

5. Perform a site investigation to determine sources and pathways of contaminants to City Waterway.

COAST IRON

Mailing address: 5225 East 7th
Tacoma, WA 98421

Contact: Susan Fiss

Attorney:

Parcel(s)	Address(es)
8950001960	1131 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Past land use and proximity to City Waterway.

Environmental Information

Potential Contaminants—Paints, solvents, and oils (001).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) response has not been received from Coast Iron. They are to submit a response by 21 February 1990.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Coast Iron	--		X	REIL
Sea Scouts	--		X	8.7.7.1.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt.	--		X	8.7.7.1.2-0002 p. 6

Follow-Up Actions

1. Obtain and review the 104(e) response.

COAST SASH & DOOR

(SEE COASTCRAFT, INC.)

FICK FOUNDRY - AMERICAN SAVINGS BANK

(ALSO SEE FICK FOUNDRY - (b) (6))

Mailing address: American Savings Bank
P.O. Box 2037
Tacoma, WA 98401

Contact: Jim Caldwell
206-272-8305

Attorneys: Jones, Day, Reavis & Pogue
1900 Huntington Center
Columbus, OH 43215

John W. Edwards
614-469-3876

Graham & Dunn
34th Floor
Rainier Bank Tower
1301 Fifth Avenue
Seattle, WA 98101-2653

Frederick O. Frederickson
206-272-6048

Parcel(s)	Address(es)
6375000141	1005 East D Street
8950000680	1005 East D Street
8950000910	11th & East D Street
8950000931	1005 East E Street
8950000950	1017 East D Street
8950000960	672 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Nature of business and proximity to City Waterway.

Environmental Information

Potential Contaminants—Diesel fuel, gasoline, benzene, toluene, xylene, ethylbenzene, lead, chromium, PCB, PAHs (8.7.7.4.2-0001, 8.7.7.4.2-0004).

Sources—Contaminated surface soil, slag, leakage from diesel tanks, D Street facility offsite (8.7.7.4.2-0004).

Pathways/Management Practices—NPDES-permitted discharge of storm water to City Waterway, contaminated groundwater (petroleum products, benzene, toluene, xylene, ethylbenzene, lead) could be from on or off the site (8.7.7.4.2-0001, 8.7.7.4.2-0001).

104(e) Response Status

Completeness—American Savings responded to the general notice letter because Fick Foundry filed for bankruptcy in 1987 and American Savings was the mortgage holder. American Savings claims that they have not foreclosed on the property, and therefore, do not own it and cannot be held responsible. As such, American Savings submitted an unsatisfactory response. Present and prior owner and tenant information and hazardous materials management information is sketchy. Slightly more information is available from (b) (6) response.

Accuracy—According to the database, Fick Foundry owns six parcels that drain to City Waterway, but American Savings indicates that Fick Foundry owns only five parcels.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Fick Foundry	1920s		X	REIL 8.7.7.4.2-0001 p. 2
Pacific Pattern	--	--		8.7.7.4.2-0001 p. 2
Globe Machine	--	--		8.7.7.4.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Fick Foundry	1920s		X	REIL 8.7.7.4.2-0001 p. 2

Follow-Up Actions

1. Request that EPA regional counsel determine if American Savings Bank is liable for the Fick Foundry property.
2. Determine if Fick Foundry owned five or six parcels and obtain owner and tenant information.
3. Determine owners (past and present) of Fick of Texas (parent company of Fick Foundry) and send them requests for information.

FICK FOUNDRY - FICK, THEODORE

(ALSO SEE FICK FOUNDRY - AMERICAN SAVINGS BANK)

Mailing address: Fick & Associates
7406 27th Street West, Suite S
Tacoma, WA 98466

Contact: (b) (6)

Parcel(s)	Address(es)
6375000141	1005 East D Street
8950000680	1005 East D Street
8950000910	11th & East D Street
8950000931	1005 East E Street
8950000950	1017 East D Street
8950000960	672 East 11th Street

PRP Status: *MAYBE*

Basis for Classification: Nature of business and proximity to City Waterway.

Environmental Information

Potential Contaminants—Diesel fuel, gasoline, benzene, toluene, xylene, ethylbenzene, lead, chromium, PCB, PAHs (8.7.7.4.2-0001, 8.7.7.4.2-0004).

Sources—Contaminated surface soil, slag, leakage from diesel tanks, D Street facility offsite (8.7.7.4.2-0004).

Pathways/Management Practices—NPDES-permitted discharge of storm water to City Waterway, contaminated groundwater (petroleum products, benzene, toluene, xylene, ethylbenzene, lead) could be from on or off the site (8.7.7.4.2-0001, 8.7.7.4.2-0001).

104(e) Response Status

(b) (6) states in his response that he is no longer employed or connected with Fick Foundry. His response is on his own behalf only and is not to be considered a response from Fick Foundry.

Completeness—

Accuracy–(b) (6) states that the address for Fick Foundry was 1005 East E Street (8.7.7.4.2-0001 p. 2). This does not correspond with any information in the database.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Fick Foundry	1920s		X	REIL 8.7.7.4.2-0001 p. 2
Pacific Pattern	--	--		8.7.7.4.2-0001 p. 2
Globe Machine	--	--		8.7.7.4.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Fick Foundry	1920s		X	REIL 8.7.7.4.2-0001 p. 2

Follow-Up Actions (also see Fick Foundry - American Savings Bank)

1. Determine if Fick Foundry was located on D or E Street.

GEORGE SCOFIELD COMPANY

Mailing address: P.O. Box 1730
Seattle, WA 98111

Contact: James A. Repman, V.P.

Parcel(s)	Address(es)
8950001890	1543 Dock Street
8950001920	1715 Dock Street

PRP Status: *MAYBE* - Parcel 8950001890
UNKNOWN - Parcel 8950001920

Basis for Classification: Past discharges of cement plant washwaters to City Waterway.

Environmental Information

Potential Contaminants—Motor oils and greases, waste petroleum naphtha, paints, leaded gasoline, alkaline wastewater.

Sources—None identified by George Scofield Company.

Pathways/Management Practices—Surface water runoff, surface runoff to storm drains.

104(e) Response Status

Completeness—Scofield does not indicate when they ceased operations at 1715 Dock Street. Past tenant and owner information is not provided in sufficient detail.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Parcel 8950001890

Tenant/Address	Dates Beginning	Dates End	Current	Reference
George Scofield Company P.O. Box 1730 Seattle, WA 98111	1930		X	8.7.7.5.2-0001 p. 3
Pioneer Sand & Gravel	--	1930		8.7.7.5.2-0001 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Burlington Northern or Glacier Park	--		X	8.7.7.5.2-0001 p. 3

Parcel 8950001920

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	8.7.7.5.2-0001 p. 3
George Scofield Company P.O. Box 1730 Seattle, WA 98111	1964	--		8.7.7.5.2-0001 p. 2
Graystone Corporation	1961	1964		8.7.7.5.2-0001 p. 2
C.S. Barlow Sand & Gravel Corp.	--	1964		8.7.7.5.2-0001 p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
Burlington Northern or Glacier Park	--		X	8.7.7.5.2-0001 p. 2

Follow-Up Actions

1. Determine if Parcel 8950001920 should be reclassified as *MAYBE*.
2. Determine if Graystone Corporation and C.S. Barlow Sand & Gravel Corporation were owners, tenants, or both, of Parcel 895001920.
3. Determine if Pioneer Sand & Gravel owned Parcel 8950001890.
4. Determine if Burlington Northern or Glacier Park (a subsidiary of Burlington Northern) owns these parcels.

5. Determine which, if any, of the previous owners and tenants should be sent a request for information.

6. Perform a site investigation to determine if contaminants and sources are present onsite.

GLOBE MACHINE MANUFACTURING

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
6375000120	701 East D Street
6375000130	701 East D Street

PRP Status: *MAYBE*

Basis for Classification: Nature of business and proximity to City Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Globe Machine.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Globe Machine Manufacturing	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Globe Machine Manufacturing	--		X	REIL

Follow-Up Actions

1. Obtain and review 104(e) response.

INDUSTRIAL RUBBER & SUPPLY, INC.

Mailing address: P.O. Box 2276
2307 East D Street
Tacoma, WA 98401

Contact: Jay Smalling
206-272-3244

Parcel(s)	Address(es)
2073210010	2301 East D Street

PRP Status: *MAYBE*

Basis for Classification: Waste materials from this facility may have entered City Waterway via storm drains.

Environmental Information

Potential Contaminants—Urethane foam, foam adhesive (TCA, methylene chloride) (8.7.7.8.2-0001).

Sources—None identified by Industrial Rubber & Supply.

Pathways/Management Practices—Surface water runoff to storm drains (8.7.7.8.2-0001).

104(e) Response Status

Completeness—In general, the response is very brief and lacks in-depth information. Industrial Rubber does not supply complete information regarding ownership and tenancy.

Accuracy—Industrial Rubber indicates that they have been associated with four different locations: 2301, 2307, and 2310 East D Street, and 2306 East E Street. Only 2301 East D Street has a parcel number associated with it in the database, but Industrial Rubber indicates that the list of properties submitted by EPA in the general notice letter is correct.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Industrial Rubber & Supply P.O. Box 2276 2307 East D Street Tacoma, WA 98401	--		X	8.7.7.8.2-0001 p. 1
Pozzi Bros. Trucking	--	--		8.7.7.8.2-0001 p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
Industrial Rubber & Supply, Inc. P.O. Box 2276 2307 East D Street Tacoma, WA 98401	--		X	8.7.7.8.2-0001 p. 1

Follow-Up Actions

1. Determine the parcels that 2307 and 2310 East D Street and 2306 East E Street are associated with.

2. Determine if Industrial Rubber is currently operating at the four locations listed in their response, and, if not, how long they operated at each location.

3. Determine prior owners and tenants and which, if any, should be sent a request for information.

4. Perform a site inspection to determine if the potential for contamination exists.

MARTINAC SHIPBUILDING

Mailing address: 401 East 15th Street
Tacoma, WA 98421

Contact: Joe Martinac

Parcel(s)	Address(es)
0320041017	1501 East D Street
0320041019	15 Street and Railroad Avenue
5215000905	East D Street
8950001560	East 15th Street and City Waterway
8950001680	East 15th Street at D Street

PRP Status: *YES*

Basis for Classification: Shipbuilding and repair activities have contributed to sediment contamination.

Environmental Information

Potential Contaminants—Arsenic, copper, and zinc (067).

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received. A response is to be submitted by 22 February 1990.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Martinac Shipbuilding	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Martinac Shipbuilding	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

JONES, LEWIS

Mailing address: Lewis R. Jones Company
(b) (6)
Tacoma, WA 98493

Contact: Lewis Jones
206-588-7147
206-572-4868

Parcel(s)	Address(es)
8950001760	2130 East D Street
8950001770	2130 East D Street
8950001780	1118 East D Street
2071200031	2110 East D Street

PRP Status: *YES*

Basis for Classification: Repeated violations by American Plating of NPDES permit. Repeated discharges of metal plating wastes to soils and City Waterway.

Environmental Information

Potential Contaminants—Cyanide, PCE, TCA, TCE, DCE, vinyl chloride, metals (8.7.7.10.2-0001).

Sources—Leaks, spills, and discharges onsite and to the sewer system (8.7.7.10.2-0001).

Pathways/Management Practices—Groundwater, surface water runoff (8.7.7.10.2-0001).

104(e) Response Status

Completeness—The response is not complete and consists only of insurance information and a portion of a soil and groundwater investigation report produced by Applied Geotechnology.

Accuracy—According to the Applied Geotechnology report, American Plating was located at 2110 East D Street, which is Parcel 2071200031. According to real estate records, this parcel is owned and occupied by Jones and has an address of 2130 East D Street.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	8.7.7.10.2-000C p. 1
American Plating	1955	1986		8.7.7.10.2-000C p. 1

Owner/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	1962		X	8.7.7.10.2-000C p. 1

Follow-Up Actions

1. Request that (b) (6) submit a complete response.
2. Determine if American Plating was located at 2110 or 2130 East D Street.
3. Determine former owners of American Plating and send them a general notice letter and request for information.
4. Obtain complete results of site investigations.

MOBIL OIL CORPORATION

Mailing address: Environmental Health & Safety Department
P.O. Box 1031
Princeton, NJ 08540

Contact: A. Ozer or R.J. Brenner
609-737-5642

Parcel(s)	Address(es)
8950000720	520 East D Street

PRP Status: *YES*

Basis for Classification: Past spills of petroleum products to site soils and oil found in groundwater.

Environmental Information

Potential Contaminants—PAHs, benzene, toluene, acetone, ethylbenzene, xylene, TCA, TCE, arsenic, copper, lead, and nickel (159).

Sources—Leaks and spills from tanks and lines, disposal of sludge onsite, and contaminated soil (159).

Pathways/Management Practices—Groundwater contamination, surface water discharge under NPDES to City Waterway (159).

104(e) Response Status

Completeness—Mobil Oil is now owned by British Petroleum (BP). BP has possession of all documents relating to prior owners and tenant information.

Accuracy—The information that is provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Mobil Oil Corporation	--	--		Unnumbered response p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
British Petroleum Company Mr. Gerry Hageman Aetna Building, Suite 360 2868 Prospect Park Drive Rancho Cordova, CA 95670-6020	5/89		X	Unnumbered response p. 2
Mobil Oil Corporation	1960s (early)	5/89		Unnumbered response p. 2

Follow-Up Actions

1. Send BP a general notice letter and request for information.

MOORAGE ASSOCIATION

Mailing address: 821 Dock Street
Tacoma, WA 98421

Contact: Eva Palka

Attorney:

Parcel(s)	Address(es)
8950001960	11th and Dock Street
8950002081	821 Dock Street
8950002181	821 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to City Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Moorage Association. The response is to be submitted by 17 February 1990.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 8950001960

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven	--		X	REIL
Tacoma Steam Plant	--	--		8.7.7.1.2-0002A p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt. Office of City Attorney Tacoma Municipal Bldg. 747 Market Street, Suite 1120 Tacoma, WA 98402-3767	5/88		X	8.7.7.1.2-0002 p. 6

Parcel 8950002081

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Moorage Association 821 Dock Street Tacoma, WA 98421	--		X	REIL

Parcel 8950002181

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Moorage Association 821 Dock Street Tacoma, WA 98421	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

NORTH PACIFIC PLYWOOD

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
8950001900	1549 Dock Street
8950001910	1549 Dock Street

PRP Status: *YES*

Basis for Classification: Discharge of phenols to surface water and site soils and numerous spills from phenol (glue tank) hose to City Waterway.

Environmental Information

Potential Contaminants—Phenols (049).

Sources—Boiler blowdown and washwaters (051). Spills of phenolic glue to City Waterway (050).

Pathways/Management Practices—Boiler blowdown and washwaters discharged to City Waterway (051).

104(e) Response Status

A 104(e) request for information response has not been received from North Pacific Plywood.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
North Pacific Plywood	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
North Pacific Plywood	--		X	REIL

Follow-Up Actions

2. Review 104(e) response when received.

PUGET SOUND PLYWOOD

(ALSO SEE TETRA TECH EVALUATION FOR PUGET SOUND PLYWOOD - MIDDLE WATERWAY)

Mailing address: 230 East F Street
P.O. Box 1378
Tacoma, WA 98401

Contact: Carl R. Wiley, General Manager
206-627-4111

Parcel(s)	Address(es)
6375000060	5th & East E Street
6375000061	230 East F Street
6375000070	East 3rd & F Street
6375000080	301 East D Street
6375000180	362 East D Street
6375000190	East D Street & 3rd

PRP Status: *YES*

Basis for Classification: Past discharges of phenolic resins to marine waters. This classification is for Puget Sound Plywood's plant located at 230 East F Street that drains to Middle Waterway. However, the discharges may have also affected City Waterway.

Environmental Information

These parcels have been used primarily for parking and veneer storage. Portions of the parcels have been leased to various businesses.

Potential Contaminants—Phenolic resin and urea resin, PCBs, TCE, boiler treatment chemicals, sodium hydroxide, potassium hydroxide, butyl Cellosolve, detergents, trithanolamine, epoxy, caustic soda, oils and lubricants, ethylene glycol, metal shavings, ink, and adhesives (8.7.5.7.2-0002).

Sources—Wash water, transformer leak, boiler blowdown, contaminated soil from spills and washing (8.7.5.7.2-0002).

Pathways/Management Practices—Surface water runoff (wash water, spills), direct discharge (boiler blowdown, polyurethane line scrapings, spill of phenolic resins), surface water to storm drains (8.7.5.7.2-0002).

104(e) Response Status

Completeness—Prior owner and tenant information is not complete.

Accuracy—In answer to Question 1, Puget Sound Plywood states that they own 11.59 acres of land, but in Question 3, Puget Sound Plywood states that they own 12.09 acres. According to real estate records, Puget Sound Plywood owns 12.4 acres.

Tenant/Owner Information

Parcel 6375000060

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood	4/3/67		X	8.7.5.7.2-0002A p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood P.O. Box 1378 230 East F Street Tacoma, WA 98401	4/3/67		X	8.7.5.7.2-0002A p. 3
Mobil Oil Corporation	--	4/3/67		8.7.5.7.2-0002A p. 3

Parcel 6375000061

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	8.7.5.7.2-0002A p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood P.O. Box 1378 230 East F Street Tacoma, WA 98401	6/2/81		X	8.7.5.7.2-0002A p. 3
City of Tacoma	--	6/2/81		8.7.5.7.2-0002A p. 3

Parcel 6375000070

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood	9/9/64		X	8.7.5.7.2-0001A p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood P.O. Box 1378 230 East F Street Tacoma, WA 98401	9/9/64		X	8.7.5.7.2-0002A p. 3
Tidewater Oil Company (formerly Tidewater Associated Oil)	--	9/9/64		8.7.5.7.2-0002A p. 3
Tidewater Associated Oil	--	--		8.7.5.7.2-0002A p. 3

Parcel 6375000080

Tenant/Address	Dates Beginning	Dates End	Current	Reference
(b) (6)	2/88		X	8.7.5.7.2-0002B p. 2 8.7.5.7.2-0002 p. 2
Chevron Oil	1/1/82	1/31/86		8.7.5.7.2-0002B p. 2 8.7.5.7.2-0002 p. 2
Eakin Oil Company	10/9/75	7/31/86		8.7.5.7.2-0002B p. 2 8.7.5.7.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood P.O. Box 1378 230 East F Street Tacoma, WA 98401	4/8/76		X	8.7.5.7.2-0002A p. 3
Time Oil Company	--	4/8/76		8.7.5.7.2-0002A p. 3

Parcels 6375000180 and 6375000190

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Vacant	--		X	8.7.5.7.2-0002 p. 2 8.7.5.7.2-0002A p. 3
Ritchie Shake Mill	12/22/70	12/20/77		8.7.5.7.2-0002 p. 2 8.7.5.7.2-0002A p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
Puget Sound Plywood P.O. Box 1378 230 East F Street Tacoma, WA 98401	11/6/68		X	8.7.5.7.2-0002A p. 3
Phillips Petroleum	--	11/6/68		8.7.5.7.2-0002A p. 3

Follow-Up Actions

1. Resolve discrepancy regarding how much property Puget Sound Plywood owns.
2. Determine which prior owners and tenants, if any, should receive a request for information.
3. Determine what part of this response applies to City Waterway.

SHELL OIL COMPANY

Mailing address: Two Shell Plaza
P.O. Box 2099
Houston, TX 77252

Contact: G.S. Hagy
713-241-1448

Attorney: Shell Oil Company
Environmental Legal Department
One Shell Plaza
P.O. Box 2463
Houston, TX 77252

Steven J. Killworth
713-241-1386

Parcel(s)	Address(es)
6375000040	East 7th & E Street & FS
6375000050	East 7th & E Street & FS

PRP Status: *YES*

Basis for Classification: 500-gallon oil spill to City Waterway via storm drain.

Environmental Information

Potential Contaminants—Gasolines, diesel fuel, fuel oil, lubricating oils, gasoline additives (tetraethyl lead?), tank bottoms and oil-water separator sediments, PAHs, benzene, toluene, acetone, ethylbenzene, xylene, TCA, TCE, arsenic, copper, lead, and nickel (8.7.2.51.2-0003).

Sources—Tank bottoms and separator sediments buried onsite, spills to soils and waterways (8.7.2.51.2-0003).

Pathways/Management Practices—Contaminated groundwater, surface water runoff, oil-water separator effluent (8.7.2.51.2-0003).

104(e) Response Status

Completeness—Shell Oil did not respond to Question 18, stating that it was overly burdensome.

Accuracy—The information provided appears to accurate.

Tenant/Owners Information

Parcels 6375000040 and 6375000050

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Olympic Pipeline	1964		X	8.7.2.51.2-0003 p. 3
Shell Oil Company Two Shell Plaza P.O. Box 2099 Houston, TX 77252	1949	1988		8.7.2.51.2-0003 p. 4

Owner/Address	Dates Beginning	Dates End	Current	Reference
Shell Oil Company Two Shell Plaza P.O. Box 2099 Houston, TX 77252	1949		X	8.7.2.51.2-0003 p. 2

Follow-Up Actions

1. Send Olympic Pipeline a request for information.
2. Determine if Shell Oil should respond to Question 18.

TOTEM BOAT HAVEN

Mailing address: 821 Dock Street
Tacoma, WA 98421

Contact: L.R. Westgard

Attorney:

Parcel(s)	Address(es)
8950001960	11th and Dock Street
8950002081	821 Dock Street
8950002181	821 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Land use and proximity to City Waterway.

Environmental Information

Potential Contaminants—None identified.

Sources—None identified.

Pathways/Management Practices—None identified.

104(e) Response Status

A 104(e) request for information response has not been received from Totem Boat Haven. The response is to be submitted by 17 February 1990.

Completeness—

Accuracy—

Tenant/Owner Information

Parcel 8950001960

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven Tacoma Steam PLant	--	--	X	REIL 8.7.7.1.2-0002A p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt. Office of City Attorney Tacoma Municipal Bldg. 747 Market Street, Suite 1120 Tacoma, WA 98402-3767	5/88		X	8.7.7.1.2-0002 p. 6

Parcel 8950002081

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven			X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Moorage Association 821 Dock Street Tacoma, WA 98421	--		X	REIL

Parcel 8950002181

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Totem Boat Haven	--		X	REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Moorage Association 821 Dock Street Tacoma, WA 98421	--		X	REIL

Follow-Up Actions

1. Review 104(e) response when received.

UNION OIL COMPANY (UNOCAL)

Mailing address: P.O. Box 2034
Tacoma, WA 98401

Contact:

Attorney: UNOCAL Corporation
1201 West 5th Street
P.O. Box 7600
Los Angeles, CA 90051

Walter W. Crim, Asst. Counsel
213-977-7944

Parcel(s)	Address(es)
6375000093	323 East D Street
6375000170	516 East D Street

PRP Status: *YES*

Basis for Classification: Oil in groundwater and oil seepage along shoreline.

Environmental Information

Potential Contaminants—Leaded and unleaded gasolines, diesel oil, heating oil, lubricating oils, methylene chloride, PAHs, benzene, toluene, acetone, ethylbenzene, xylene, TCA, TCE, arsenic, copper, lead, and nickel (8.7.7.22.2-0002, 157).

Sources—Overfilled tanks, leaking lines, and contaminated soil (8.7.7.22.2-0002, 157).

Pathways/Management Practices—Contaminated groundwater (benzene, toluene, ethylbenzene, xylene, petroleum products). Surface water runoff leads to oil-water separator with NPDES-permitted effluent to Hylebos Waterway. (8.7.7.22.2-0002, 157)

104(e) Response Status

Completeness—UNOCAL states that petroleum products are exempt from the definition of hazardous substances and pollutants or contaminants under CERCLA. Therefore, UNOCAL did not provide responses for Questions 6-10. Insurance information is not provided.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
UNOCAL Corporation	4/11/25		X	8.7.7.22.2-0002A p. 2

Owner/Address	Dates Beginning	Dates End	Current	Reference
UNOCAL Corporation 1201 West 5th Street P.O. Box 7600 Los Angeles, CA 90051	4/11/25		X	8.7.7.22.2-0002A p. 2
Northern Pacific Railroad (now Burlington Northern Railroad)	--	4/11/25		8.7.7.22.2-0002A p. 2

Follow-Up Actions

1. Determine if UNOCAL should respond to Questions 6-10.

WASHINGTON DEPARTMENT OF TRANSPORTATION

Mailing address: Office of Dist. Administrator
5720 Capitol Blvd, KT-11
Tumwater, WA
P.O. Box 9327
Olympia, WA 98504-9327

Contact: A.T. Smelser, District 3 Administrator

Attorney: Attorney General of Washington
5th Floor
Highway Licenses, Bldg. PB-71
Olympia, WA 98504-8011

Deborah L. Cade, Asst. Attorney General
206-753-6126

Parcel(s)	Address(es)
0000000006	24th and A Street

PRP Status: *MAYBE*

Basis for Classification: Hazardous materials found buried in hillside above City Waterway.

Environmental Information

Potential Contaminants—Tar (PAHs), oily silt and sand, and copper material (8.7.7.25.2-0002).

Sources—Contaminated soil and leachate from buried material (8.7.7.25.2-0002).

Pathways/Management Practices—Surface water runoff to storm drains and contaminated groundwater (8.7.7.25.2-0002).

104(e) Response Status

Completeness—The Department of Transportation (DOT) states that the documents are too voluminous to copy but are available for review if desired.

Accuracy—DOT states that this property appears to be their 21st to 24th Street site and hired Rainier Title company to prepare a chain-of-title report for Lots 1-12 inclusive, Block 2201. Presently, verification of the property researched by Rainier Title as the Tacoma spur property

cannot be made. DOT also states that CMC Real Estate Corporation was a former owner of this property, but this company does not appear in the chain-of-title report.

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Tacoma spur site	--		X	8.7.7.25.2-0002C REIL

Owner/Address	Dates Beginning	Dates End	Current	Reference
Washington Department of Transportation Office of District Administrator 5720 Capitol Blvd, KT-11 Tumwater, WA P.O. Box 9327 Olympia, WA 98504-9327	6/27/83		X	8.7.7.25.2-0002C
Washington Floral Services, Inc.	7/15/64	6/21/83		8.7.7.25.2-0002C
Home Electric Company	1/22/53	7/15/64		8.7.7.25.2-0002C
Terminal Investment Company	12/19/45	1/22/53		8.7.7.25.2-0002C
Washington Gas & Electric	12/31/27	12/19/45		8.7.7.25.2-0002C
Mountain States Power Company	4/30/23	12/31/27		8.7.7.25.2-0002C
Tacoma Gas & Electric Light Company	5/1/95	4/30/23		8.7.7.25.2-0002C

Follow-Up Actions

1. Determine CMC Real Estate Corporation's connection, if any, with this site.
2. Determine if any of DOT's files should be reviewed.
3. Determine which of the prior owners were tenants as well, and which, if any, should be sent a request for information.

Additional PRPs

1. ASARCO, Inc. (8.7.7.25.2-0002 p. 3)
2. CMC Real Estate Corporation.

WEST COAST GROCERY

Mailing address: 1525 East D Street
P.O. Box 2237
Tacoma, WA 98401

Contact: Pete Clark or Herb Muchow
206-593-3200

Parcel(s)	Address(es)
6370000010	1801 East D Street
6370000051	495 East 19th Street
6370000084	490 East 19th Street
6370000020	420 East 18th Street
8950001651[a]	1525 East D Street

[a] Parcel 8950001651 was consolidated from the following parcels:

8950001640	8950001650
8950001660	8950001670
8950001690	8950001691
8950001700	8950001713

Parcel 8950001651 is not currently listed in the database, but the above parcels are. West Coast does not state when these parcels were consolidated into Parcel 8950001651.

PRP Status: *YES*

Basis for Classification: Discharges to City Waterway.

Environmental Information

Potential Contaminants—Household products and warehouse maintenance products stored and used in warehouses on D Street and on 18th Street; office supplies used at 495 East 19th; oil residues, degreasers, used oil, and cleaning agents at the truck facilities at 1525 East D and 490 East 19th; and print shop products used at 1525 East D Street (8.7.7.26.2-0002).

Sources—Unknown. Effluent produced during cleaning activities, surface spills. Contaminated soil from probable leaking underground storage tanks at 1525 East D and 490 East 19th (8.7.7.26.2-0002).

Pathways/Management Practices—Surface water runoff to storm drains, discharges of oil and cleaning solvents to storm drains. Groundwater contamination from leaking tanks (8.7.7.26.2-0002).

104(e) Response Status

Completeness—West Coast does not provide prior tenant information or dates that previous owners owned the parcels. West Coast divided Parcel 8950001651 into Part A and Part B in the response but did not indicate which of the parcels that constitute Parcel 8950001651 are being addressed as Part A and Part B.

Accuracy—The information provided appears to be accurate.

Tenant/Owner Information

Parcel 63720000020

Tenant/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery (warehouse only)	--		X	8.7.7.26.2-0002B

Owner/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1980		X	8.7.7.26.2-0002A
Grow Pac	--	--		8.7.7.26.2-0002A
Weslee Crawford	--	--		8.7.7.26.2-0002A
Pacific Lutheran University	--	--		8.7.7.26.2-0002A

Parcel 6370000010

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Telco Credit Union	--		X	8.7.7.26.2-0002 p.3
Cigarette Distributors, Inc. (owned by West Coast Grocery)	--		X	8.7.7.26.2-0002 p. 3

Owner/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1981		X	8.7.7.26.2-0002A
Crown Zellerbach	--	1981		8.7.7.26.2-0002A

Parcel 6370000051

Tenant/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery (corporate office)	--		X	8.7.7.26.2-0002B

Owner/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1965		X	8.7.7.26.2-0002A
Northern Pacific Railroad (now Burlington Northern Railroad)	--	1965		8.7.7.26.2-0002A

Parcel 6370000084

Tenant/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery (truck garage & fueling facilities)	--		X	8.7.7.26.2-0002B

Owner/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1965		X	8.7.7.26.2-0002A
Northern Pacific Railroad (now Burlington Northern Railroad)	--	1965		8.7.7.26.2-0002A

Parcel 63750000085

Tenant/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery (dry food storage facility and refrigerated storage in the past)	--		X	8.7.7.26.2-0002B

Owner/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1968		X	8.7.7.26.2-0002A
State Distributing Company and Great Northern Railroad	--	1968		8.7.7.26.2-0002A

Parcel 8950001651

Tenant/Address	Dates Beginning	Dates End	Current	Reference
West Coast Grocery (office, warehouse, distribution)	--		X	8.7.7.26.2-0002B

Owner/Address	Dates Beginning	Dates End	Current	Reference
Part A West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401 (it is not clear which parcels comprise Part A)	1946		X	8.7.7.26.2-0002A
Union Pacific Railroad (was Oregon-Washington Railroad)	--	1946		8.7.7.26.2-0002A
Part B West Coast Grocery Company 1525 East D Street P.O. Box 2237 Tacoma, WA 98401	1966		X	8.7.7.26.2-0002A
Union Pacific Railroad	--	1966		8.7.7.26.2-0002A

Follow-Up Actions

1. Determine which parcels comprise Part A and which parcels comprise Part B.
2. Determine prior owners and tenants and which, if any, should receive a request for information.
3. Conduct a site investigation and inspection to determine areas and sources of contamination.

WESTERN FISH & OYSTER

Mailing address: **Contact:**

Attorney:

Parcel(s)	Address(es)
8950001960	1137 Dock Street

PRP Status: *MAYBE*

Basis for Classification: Floor drains discharged to City Waterway.

Environmental Information

Potential Contaminants—Fish waste (052).

Sources—Floor drain (052).

Pathways/Management Practices—Storm drain (052).

104(e) Response Status

A 104(e) request for information response has not been received from Western Fish & Oyster.

Completeness—

Accuracy—

Tenant/Owner Information

Tenant/Address	Dates Beginning	Dates End	Current	Reference
Western Fish & Oyster	--		X	8.7.7.1.2-0002 p. 6

Owner/Address	Dates Beginning	Dates End	Current	Reference
City of Tacoma, Gen. Govt. Office of City Attorney Tacoma Municipal Bldg. 747 Market Street, Suite 1120 Tacoma, WA 98402-3767	--		X	8.7.7.1.2-0002 p. 6

Follow-Up Actions

1. Review 104(e) response when received.

Tetra Tech 104(e) evaluations

ENFORCEMENT CONFIDENTIAL
HYLEBOS WATERWAY

29 September 1989

DRAFT PRP EVALUATION
BUFFELEN WOODWORKING COMPANY

Hylebos

OVERVIEW

Buffelen Woodworking Company (Buffelen) has conducted mill working, plywood, and door manufacturing at its facilities since 1913 (CB/NT 8.7.2.9.2-0002; p. 4). The facilities are located on 16.08 ac on Hylebos Waterway, at the intersection of Taylor Way and Lincoln Avenue. The company has acknowledged past releases of pentachlorophenol, formaldehyde, and metals onto site soils. Although Buffelen is between the two Hylebos Waterway priority areas, potentially hazardous materials spilled to site soils could have entered the waterway, contributing to contamination of waterway sediments.

FACILITY DESCRIPTION AND LOCATION

Buffelen Woodworking Co. (Buffelen) began production of stile (vertical frame members) and rail doors in 1913, and began hardwood plywood manufacture in 1916. The company still produces stile and rail doors but hardwood plywood production was discontinued in January 1988 (CB/NT 8.7.2.9.2-0002; p. 4). The company has operated at 1901 Taylor Way since 1913.

Buffelen currently owns 16.08 ac of land at the intersection of Taylor Way and Lincoln Avenue along Hylebos Waterway (CB/NT 8.7.2.9.2-0002; p. 1). Past land transactions are described below.

- An 0.81-ac parcel across Taylor Way from the Buffelen facility has been leased from Mary Boardman since October 1967.

- A total of 4.15 ac across Hylebos Waterway on Marine View Drive was sold 15 February 1984 to Donald E. Oline (CB/NT 8.7.2.9.2-0002; p. 2). The company indicated the property was left in an unused and undeveloped state from the unspecified date of purchase.

- Buffelen purchased 6.47 ac in 1972 from Hauserman Inc., across Taylor Way from the Buffelen facility and north of Lincoln Avenue. On 16 November 1982, the property was sold to Gateway Consolidated, now AOL Express. Buffelen states that the land was used for green lumber storage.

- Buffelen indicated that 14.08 ac of property at the intersection of Lincoln Avenue and Taylor Way, was sold to Mutual Fir Column in September 1965. The purchaser has since gone out of business and the status of the land prior to sale was not specified (CB/NT 8.7.2.9.2: p.2).

- Property totaling 12 ac, south of Lincoln Avenue on Hylebos Waterway, was sold to Commencement Bay Log and Storage 15 September 1967. Buffelen leased 2 ac of this property from Commencement Bay Log and Storage from 11 September 1967 until the lease was terminated 11 September 1972 (CB/NT 8.7.2.9.2-0002; p. 2). Buffelen did not state what the land was used for during the lease period.

CHEMICAL USE AND DISPOSAL

Buffelen began stile and rail door production in 1913. Raw or green fir lumber is kiln dried and then planed and cut. The doors are machined and assembled, some with glass windows. The finished products are packaged and shipped (CB/NT 8.7.2.9.2-0002 p. 4).

Hardwood plywood production (terminated in 1988) used both green softwood veneers and dry hardwood veneers. The soft veneers were dried in veneer ovens and then sent to the assembly shop with the dry veneers. The veneers were glued and pressed into plywood panels. According to the company's Material Safety Data Sheets, many types and brands of glues are used for the gluing operations. Additional Buffelen woodworking operations at this location include veneer peeling, saw milling, and production of millwork and furniture (CB/NT. 8.7.2.9.2-0002; p. 4).

Buffelen provided documentation on waste stream composition and disposal back to 1979 (CB/NT 8.7.2.9.2-0002; pp. 5-16). According to Buffelen, the majority of production chemicals, catalysts, and glues are consumed in production processes. The company claims minor amounts of these chemicals are discharged to the City of Tacoma's sanitary sewer system (CB/NT 8.7.2.9.2-0002).

The company states that stored and waste pentachlorophenol, used to treat doors, was removed by Northwest Enviroservice, Inc. on 8 April 1987. Phenol formaldehyde was transported to a TSD facility by the same firm on 20 May 1988. Buffelen did not discuss past disposal practices.

CONTRACT MAILING ADDRESS

Facility Address:

Buffelen Woodworking Co.
1901 Taylor Way
Tacoma, WA 98421
(206)627-1191

104(e) Respondent's Address and PRP Contact Address:

Buffelen Woodworking Co.
P.O. Box 1383
Tacoma, WA 98401
(206)627-1191
Attn: Joe D. Guizzetti, General Manager and CEO

CORPORATE STATUS

In 1913, Buffelen Lumber and Manufacturing Company, owned by John Buffelen, began operations in Tacoma at the 1901 Taylor Way location. In 1928, the Lauan Investment Corporation bought the company. Buffelen Lumber and Manufacturing Company, a California corporation, purchased the company in 1947, and changed the name to Buffelen Manufacturing Company. The company incorporated in 1955, and was renamed Buffelen Woodworking Company. (CB/NT 8.7.2.9.2-0002; p. 3). At present, the company does not have any parent or subsidiary companies. Buffelen's 104(e) response does not clearly relate company ownership and history. The current officers and directors of Buffelen Woodworking Company are listed in the 104(e) response.

SURFACE WATER DRAINAGE

The company states that all surface water drainage is routed to the City of Tacoma's storm drainage system (CB/NT 8.7.2.9.2-0002; p. 17). Buffelen has a NPDES permit (#WA 0030708) to discharge to Hylebos Waterway. The TPCHD drainage map does show a closed channel at the intersection of Lincoln and Taylor streets for collection of stormwater runoff. The channel discharges to a non-priority area of Hylebos Waterway.

ENVIRONMENTAL STATUS

In February 1987, Buffelen retained Hart Crowser, Inc. to conduct an environmental assessment, site investigation, sampling program, site characterization and analysis of the 1901 Taylor Way facility (CB/NT 8.7.2.9.2-0002; p. 17). Hart-Crowser was expected to submit a report on or about 1 August 1989.

Asbestos insulation and wall board material were transported off-site on 30 August 1987 by Servant Mechanical (CB/NT 8.7.2.9.2-0002; p. 16). M & M Environmental, Inc. transported asbestos insulation off-site on 28 April 1988.

Oil spilled from a leaking compressor on 6 May 1980 and reached Hylebos Waterway (CB/NT 8.7.2.9.2-0002; p. 16). The quantity released was not known. On 26 January 1988, Buffelen provided Ecology with surface soil sampling results that indicate past releases of pentachlorophenol, formaldehyde, and other substances have occurred at the site. Sample analyses revealed concentrations of 120 to 14,000 ppm pentachlorophenol, 0.5 to 13,000 ppm various heavy metals, and 4,900 to 12,000 ppm formaldehyde in facility soils (D 034).

INSURANCE INFORMATION

Buffelen submitted a copy of its current insurance policy issued by the American States Insurance Company in their 104(e) response (CB/NT 8.7.2.9.2-0002C). They state that copies of previous policies are available from their broker (CB/NT 8.7.2.9.2-0002; p. 17). The company does not state if their policies cover environmental releases and damages.

RECOMMENDED PRPs

Buffelen Woodworking used to own land across Hylebos Waterway on Marine View Drive (CB/NT 8.7.2.9.2-0002; p. 2). This land was later sold to Mr. Oline. Mr. Oline's other holdings in the CB/NT Superfund site have been identified as disposal sites for potentially hazardous wastes. It is not known if Mr. Oline permitted waste disposal activities at this location, or if Mr. Oline used or leased this property prior to purchase from Buffelen. Regardless of Mr. Oline's use of this property, he has already been named a PRP for Hylebos Waterway.

SUMMARY

Buffelen Woodworking Company is the current owner and operator of a facility that has been in operation at this location since 1913. The company has processed raw lumber, used chemical adhesives, resin, catalysts, pentachlorophenol, formaldehyde, and reagent chemicals (CB/NT 8.7.2.9.2-0002A). Buffelen has an NPDES discharge permit (#WA0030708) for Hylebos Waterway (CB/NT 8.7.2.9.2-0002).

Based on length of operation, past chemical use, proximity of the site to Hylebos Waterway, and past releases of elements to the environment, Tetra Tech, Inc. recommends that Buffelen Woodworking Company remain on the list as a PRP for Hylebos Waterway.

REFERENCES

CB/NT 8.7.2.9.2-0002, Attachments 0002B-C.
Guizzetti, J.D. 23 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). General Manager and CEO, Buffelen Woodworking, Co., Tacoma WA. 17 pp. and attachments.

D 034
Guizzetti, J. 26 January 1988. Personal Communication (letter to Washington Department of Ecology, Olympia, WA). Buffelen Woodworking, Tacoma, WA. 3 pp.

REIL 1988
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department 1988
Commencement Bay nearshore/tideflats drainage map. TPCHD. Tacoma, WA.

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DRAFT PRP EVALUATION
BONNEVILLE POWER ADMINISTRATION

OVERVIEW

The Bonneville Power Administration (BPA) began operating an electrical substation in the Commencement Bay tideflats in 1943 to provide electric service to the Olin Corporation aluminum plant (now Kaiser Aluminum) and Pacific Carbide & Alloys Company, both critical war-related industries (CB/NT 8.7.2.6.2-0002). Past and present substation operations use PCBs in high voltage electrical equipment, and PCBs are a priority chemical for the Head of Hylebos Waterway. However, there is no evidence that past or present operations have discharged PCBs to Hylebos Waterway.

FACILITY DESCRIPTION AND LOCATION

BPA's Tideflats Substation is located at 3702 Taylor Way, on 9.44 ac (parcel 0321363022) between the heads of Hylebos and Blair Waterways. The BPA acquired parcel 1 of the facility in May 1942. In May 1945, the BPA acquired parcel 2 of the facility. In October 1959, the United States, through the General Services Administration, quit-claim deeded approximately one half of parcel 1 to the City of Tacoma (CB/NT 8.7.2.6.2-0002).

CHEMICAL USE AND DISPOSAL

BPA Tideflats Substation operates high-voltage electrical equipment, some of which contains PCB oil. The substation currently has 32 transformers which contain PCB oil (in concentrations less than 500 ppm), and approximately 650 capacitors which are assumed to contain PCB oil. The sole hazardous waste generated at Tideflats Substation is PCB oil-filled

equipment. BPA routinely ships such wastes to BPA's Ross Complex in Vancouver, WA for processing (CB/NT 8.7.2.6.2-0002).

CONTACT MAILING ADDRESS

Facility Address:
Tideflats Substation
Bonneville Power Administration
3702 Taylor Way
Tacoma, WA 98421

PRP Contact Address:
Office of General Counsel
Bonneville Power Administration
P.O. Box 3121
Portland, OR 97208
Attn: David J. Adler, Attorney

CORPORATE STATUS

BPA is an agency of the United States Department of Energy, and manages hydroelectric power generation and distribution in the Pacific Northwest.

SURFACE WATER DRAINAGE

Surface water from the substation discharges to outfall BL-120 at the head of Blair Waterway (TPCHD), and to a pond on the west end of the substation property (CB/NT 8.7.2.6.2-0002). This pond percolates to site soils.

ENVIRONMENTAL STATUS

BPA conducted an in-house environmental appraisal and a TSCA inspection at the Tideflats Substation in August 1988 in order to ensure compliance

with environmental regulations. The result of these inspections included an inventory of the substation's PCB oil-containing equipment (CB/NT 8.7.2.6.2-0002).

Soil samples were collected at the facility as part of the TSCA inspection and analyzed for PCB contamination. Two samples contained greater than one part per million (ppm) PCBs, one with 1.8 ppm and one with 2.99 ppm (CB/NT 8.7.2.6.2-0002).

INSURANCE INFORMATION

BPA does not have insurance coverage for liability resulting from environmental releases of hazardous substances (CB/NT 8.7.2.6.2-0002).

RECOMMENDED PRPs

BPA did not name any PRP's which are not already on the PRP list.

SUMMARY

BPA generates no hazardous wastes except PCB oil-containing equipment, which is manifested offsite. Surface water discharges to an onsite pond or Blair Waterway, which is not a priority area. Therefore, Tetra Tech recommends that BPA be deleted from the PRP list.

REFERENCES

CB/NT 8.7.2.6.2-0002
Morrell, A. 27 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Assistant to the Administrator for Environment, Bonneville Power Administration, Portland, OR. 6 pp. + attachments.

Tacoma Pierce County Health Department. 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
CHEMICAL PROCESSORS, INC.

OVERVIEW

Chemical Processors, Inc. (ChemPro) owns two parcels totalling 5.12 ac at 1701 Alexander Avenue, Tacoma, WA (CB/NT 8.7.2.11.2-0002). ChemPro operates a dangerous waste treatment and storage facility at this location. Prior to ChemPro, the facility has been used as a disposal site for dredge spoils and trichloroethylene process sludge from Occidental Chemical Corporation (CB/NT 8.7.2.11.2-0002). Portions of the property were used for disposal of waste oil and other petroleum products from 1970 to 1975. Ecology noted that waste oil had been dumped on the site in 1971 (CB/NT 8.7.2.11.2-0002). Because of it's past use as a landfill/waste disposal site, this property is believed to be the source of chlorinated organics and various petroleum factions to the Hylebos and Blair Waterways. ChemPro has had prior release problems on a former (leased) parcel which is adjacent to the current property. Current ChemPro operational practices appear to have corrected the process problems which contributed to prior release events.

FACILITY DESCRIPTION AND LOCATION

ChemPro maintains two separate processing tank systems and a waste container storage area on 5.12 ac (CB/NT 8.7.2.11.2-0002) at 1701 Alexander Avenue. Since 1976, ChemPro has operated a dangerous waste treatment and storage facility at both their current location and adjacent land leases (CB/NT 8.7.2.11.2-0002). From mid 1981 to mid 1987, ChemPro leased a 1 ac parcel, known as "Parcel A," from Solidus Corporation to conduct both waste oil reclaiming and hazardous waste treatment and storage. ChemPro owns the

5.12 ac Alexander Avenue facility, as well as the Brazier Lumber facility across Taylor Way. Portions of both properties were leased to Freeway Container Corporation. The RCRA Part B Permit Application submitted in March 1988 by ChemPro designates the three main process areas as Solid Waste Management Units (SWMUs). SWMU-1, the "letter tank system," is at the southeastern end of the site. SWMU-2, the "present tank system," sits toward the center and eastern border of the site. The container storage area, SWMU-3, is in the middle of the southern sector.

CHEMICAL USE AND DISPOSAL

ChemPro's current facility and adjacent properties were once part of an Alexander Avenue disposal site owned by Mr. Don Oline in the early 1970s (CB/NT 8.7.2.11.2-0002). During this period of time, Hooker Chemical, now Occidental Chemical Corporation, disposed of dredge spoils and trichloroethylene process sludges at the site. Mr. Oline also allowed open pit dumping of petroleum contaminated wastes onto swamp and marsh lands in the early 1970's (CB/NT. 8.7.2.11.2-0002).

ChemPro maintains two distinct treatment and storage tank systems and a separate container storage area. The "letter tank system," SWMU-1, consists of eight tanks encompassed by a secondary containment berm. Process equipment located in the same area includes a sludge filter press, a filtrate recovery tank, and a solidification and stabilization unit. The company states that the "letter tank system" is slated for closure under RCRA's interim status procedures.

The "present tank system," SWMU-2, began operation in 1987 and consists of the following: dangerous waste treatment and storage tanks, treated wastewater storage tanks, tanks for storage of products used during waste treatment, containment berms, slop sumps, and truck loading and unloading pads.

Incoming aqueous wastes are stored in the numbered 100-series tanks if they are acidic and contain metals contamination; 200-series tanks if they contain caustic metal and sulfides; and the 600-series tanks if they contain alkaline wastes. The stored wastes are then transferred to the 50-series tanks for treatment. The treatment includes acid/base neutralization, precipitation, oxidation (sulfides), reduction (chromium), flocculation, sedimentation, and decantation (CB/NT 8.7.2.11.2-0002). Difficult to treat wastes are isolated in the 500-series tanks for treatment or transfer to an approved TSD facility.

Sedimentation and liquid/solid phase separation processes are handled by the 300-series tanks. The waste stream(s) from the 50-series tanks are sent to the 300-series tanks. The liquid phase is sent to the 400-series tanks for temporary storage. The liquid is approved for discharge to the City of Tacoma sanitary sewer (CB/NT 8.7.2.11.2-0002). The solids are sent to the sludge filter press in the letter tank area or are sent to an approved TSD facility. Non-process generated sludges from offsite sources are stored in the 700-series tanks. The waste is sent to the sludge filter press or shipped to an approved TSD facility.

Waste oils, oily wastes, and waste solvents are stored and consolidated in the 800- and 900-series tanks. These wastes are sent to dangerous waste fuel facilities (CB/NT 8.7.2.11.2-0002).

SWMU-3, the container storage area, has been used for product storage, limited storage of dangerous wastes, limited storage of solid and semi solid wastes in drums, and periodic tank maintenance operations.

CONTACT MAILING ADDRESS

Facility Address:

Chemical Processors, Inc.
1701 Alexander Avenue
Tacoma, WA
(206) 223-0500

PRP Contact Address:

Chemical Processors, Inc.
2203 Airport Way South
Suite 400
Seattle, WA 98134
Attn: Mr. Dennis F. Stefani, Vice President, Regulatory Affairs

CORPORATE STATUS

ChemPro was owned by Messrs. R.S. West, N. Clark III, and J. Kasolko, Jr. from 1970 to 1983. CPT Industries, with R.S. West as sole shareholder, owned the company from December 1983 to approximately 1985. R.S. West, M.W. Mattingly, M.P. Keller, and G. Bremensolo owned the company from 1985 to December 1986. Mr. D.A. Sabey was the sole shareholder and owner from December 1986 to February 1988.

In February 1988, Glacier Park Company purchased 53 percent of ChemPro. Glacier Park is a wholly-owned subsidiary of Burlington Northern, Inc. Burlington Environmental, Inc., whose ownership is divided between Glacier Park Company (53 percent) and Mr. D.A. Sabey (47 percent), purchased 100 percent of ChemPro in August 1988. ChemPro is currently owned and operated by Burlington Environmental, Inc. As of July 1988, Glacier Park Company became a wholly-owned subsidiary of Burlington Resources (CB/NT 8.7.2.11.2-0002). The directors and officers of ChemPro are identified in the 104(e) response.

SURFACE WATER DRAINAGE

Surface water runoff in and around the "letter" and "present tank" systems are collected by secondary containment systems (CB/NT 8.7.2.11.2-0002). The collected rainwater is treated and released to the City of Tacoma sewer system. The storm water runoff from non-process areas are channeled to existing storm drains on or near the site. The TPCHD drainage map for Commencement Bay shows surface water discharge routes to Taylor Way and to Lincoln Avenue. Surface waters discharge to Taylor Way appear to percolate into site soils or possible inter Hylebos waterway, while the Lincoln Avenue drainage discharges to Blair Waterway.

ENVIRONMENTAL STATUS

ChemPro's contractors have conducted several hydrogeological studies and soil investigations (CB/NT 8.7.2.11.2-0002). Historical aerial photographs, reports, and verbal accounts from past employees, in conjunction with site hydrogeological studies, have verified the existence of onsite fill material from previous disposal operations.

Occidental Chemical trichloroethylene process sludges and dredge spoils were disposed of at Mr. Oline's Alexander Avenue landfill from June 1972 to May 1973 (CB/NT 8.7.2.11.2-0002). This appears to be the ChemPro site.

In 1971, an Ecology inspector observed waste oil in a pond located east of and adjacent to ChemPro's current facility. The waste oil pond existed from 1970 to 1975 (CB/NT 8.7.2.11.2-0002). Don Oline, who owned pond at that time, allowed dumping of petroleum tank-cleaning scales and sludges on property north, south, and west of the pond.

ChemPro states that potentially hazardous materials have been released at the facility (CB/NT 8.7.2.11.2-0002). In October 1985, 3,700 gallons of 11 per cent nitric acid and 0.8 per cent chromium overflowed secondary containment from a ChemPro facility on an adjacent site. The spill was contained over a 2 - 3 day period and approximately 560 yards of contaminated soils were removed.

Small releases of process sludge near Tank BB in the "letter tank" system occurred between 1980 and February 1981. Unsuspected releases were thought to have occurred between 1979 and 1980 (CB/NT 8.7.2.11.2-0002).

The "present tank" system and the container storage area were not reported has having releases (CB/NT 8.7.2.11.2-0002).

As of July 1989, ChemPro's private contractors were conducting a RCRA Section 3013 hydrogeological investigation of their facilities.

INSURANCE INFORMATION

ChemPro listed National Union Insurance Company of New York as the company's liability carrier. They stated that the certificate of liability is provided in their RCRA Part B Permit Application (CB/NT 8.7.2.11.2-0002). ChemPro did not indicate whether or not the coverage included environmental releases or damages.

RECOMMENDED PRPs

The uncertainty surrounding ownership and use of adjacent lands precludes definitive statements at this time. Further investigations and study are indicated.

SUMMARY

ChemPro operates a dangerous waste processing facility on land which was used for disposal operations (CB/NT. 8.7.2.11.2-0002). The company's past operations have released heavy metal contaminated liquids and petroleum sludges to onsite soils. The issue of whether the discharge of surface storm water runoff is to Hylebos or Blair Waterways requires further investigation. Since ChemPro's site and neighboring properties are located on or about the former location of Don Oline's Alexander Avenue landfill, it is recommended that ChemPro be maintained as a PRP.

REFERENCES

CB/NT 8.7.2.11.2-0002
Stefani, D.F. 23 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Vice President, Chemical Processors, Inc., Tacoma, WA. 14 pp. and attachments.

REIL. 1988.
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD. Tacoma, WA.

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DRAFT PRP EVALUATION
GENERAL METALS CORPORATION

OVERVIEW

General Metals Corporation of Tacoma (General Metals) currently leases six parcels of property totalling 33 ac near the south end of Hylebos Waterway. The facility is located at 1902 Marine View Drive, Tacoma, WA (CB/NT 8.7.2.17.2-0001). The site has been used for ferrous scrap metal recycling and storage since 1965. The 6-ac parcel directly across Marine View Drive from the main yard is currently used by General Metals for equipment storage. This property has been used in the past as a disposal site for dredge spoils and Occidental Chemical Corporation's trichloroethylene process sludge (CB/NT 8.7.37.2.-0002E). The facility was cited for improper handling and storage of PCB containing transformers in 1987 (CB/NT 8.7.2.17.2-0001). In 1981, Ecology noted that the onsite oil/water separator was inadequate for the facility's storm drain system. Sediment sampling of the storm drain system and close proximity intertidal zone revealed an average PCB concentration of 20,000 ppb in 1986 (CB/NT 8.7.2.17.2-0001A). Because of its past history of chemical releases, General Metals is believed to be a source of heavy metals and PCBs to Head of Hylebos Waterway.

FACILITY DESCRIPTION AND LOCATION

General Metals operates a ferrous metal scrap recycling and storage facility on 33 ac at 1902 Marine View Drive. The recycled metal is principally exported to overseas buyers in the Far East (CB/NT 8.7.2.17.2-0001A). General Metals states that Acme Trading and Supply Company, Inc. purchased General Metals Corporation of Tacoma on 1 January 1981. General Metals' general response letter identified Leslie Sussman as owner of the General

Metals facility and also as a previous operator of the salvage operations. The 6 ac parcel across Marine View Drive from the main yard was purchased from Sussman, and is currently used for equipment storage.

CHEMICAL USE AND DISPOSAL

General Metals recycles ferrous scrap metal obtained from a variety of sources, including automobiles, engine blocks, railroad cars, railroad rails, tanks, empty drums, appliances, wire cable, sheet metal, industrial steel scrap, and other forms of ferrous metal. The material is cut, dismantled, and separated into assorted grades and prepared for shipment (CB/NT 8.7.2.17.2-0001A). The site processes and recycles 300,000 tons of scrap annually.

The wastes generated at the General Metals Corporation of Tacoma site are primarily nonmetallic residuals from the metals separation process, other materials delivered with the scrap, and recycling equipment maintenance chemicals (CB/NT 8.7.2.17.2.-0001A). General Metals Corporation of Tacoma residuals include nonmetallic car interior and appliance parts. The company states that these materials are disposed of at a permitted regional landfill. Other materials, such as tires, asbestos, and lead acid batteries are handled by other recyclers. Maintenance items such as waste oils and spent solvent are sent to appropriate recyclers (CB/NT 8.7.2.17.2-0001A).

Approximately 2000 cubic yards of sediments obtained from Hylebos Waterway in 1986 are stored at the 27 ac site. Sump sludges and absorbent pads are removed and transported offsite by an environmental services contractor.

CONTACT MAILING ADDRESS

Facility Address:

General Metals of Tacoma

1902 Marine View Drive
Tacoma, Wa 98422

Mailing Address:
General Metals of Tacoma
1902 Marine View Drive
Tacoma, WA 98422
(503)-224-4100
Attn: Mr. David L. Blount

CORPORATE STATUS

In their 104(e) Response (CB/NT 8.7.2.17.2-0001), General Metals stated that the company was incorporated in the State of Washington on 2 August 1954. From 1954 to 1981, General Metals was owned and operated by Leslie P. Sussman. Acme Trading and Supply Company, Inc. purchased General Metals on 1 January 1981 from Leslie P. Sussman et. al.

SURFACE WATER DRAINAGE

The surface drainage from the 33 ac site has been studied and characterized by General Metals' consultants (CB/NT 8.7.2.17.2-0001). The drainage is composed of the following: a catch basin, which is connected to a subsurface drain line that discharges indeterminately to Marine View Drive; a stormwater drainage collection system connected to a oil/water separator that discharges to Hylebos Waterway; a non-operational storm water drainage that is blocked with fragmented concrete; and a crimped, marginally functional stormwater drainage line that discharges to Hylebos Waterway. Nonpoint surface water runoff to Hylebos Waterway was noted as another source of discharge. General Metals' consultants have identified the storm water drain with the oil/water separator as the primary discharge point for the site. Sweet Edwards/EMCON corroborated previous surface water drainage observations made by Ecology (CB/NT 8.7.2.17.2-0001).

ENVIRONMENTAL STATUS

In December 1986 and in March 1987, Ecology conducted site inspections and collected samples at the General Metals facility. Their samples showed elevated concentrations of several heavy metals and organics at the 6 ac parcel across Marine View Drive. The levels reported were 40,000 mg/kg chlorinated organic, predominately tri- and tetrachloroethene; 10 mg/kg copper; 2,000 mg/kg lead; and 15,000 mg/kg strontium. U.S. EPA conducted a TSCA facilities inspection of General Metals on 24 March 1987. The inspection team found 22 separate violations of handling, labeling, storage, and disposal regulations concerning PCB containing transformers (CB/NT 8.7.2.17.2-0001). The agency ordered General Metals to pay an assessed penalty of $72,500. The company removed all the PCB containing transformers to permitted TSD facilities in the last quarter of 1987 (CB/NT 8.7.2.17.2-0001).

On 18 July 1988, a General Metals consultant began a preliminary remedial investigation of the site. The study was initiated by the company as a result of on-going negotiations with Ecology. General Metals submitted a draft report on the continuing remedial investigation to Ecology on 31 May 1989 (CB/NT 8.7.2.17.2-0001). On 15 June 1989, General Metals submitted a draft report on source control feasibility study to Ecology.

Review of General Metals' 104(e) response shows that as of 25 May 1989, the cooperative agreement between Ecology and the company was in effect (CB/NT 8.7.2.17.2-0001). The agreement concerns General Metals' fiscal and legal responsibility for source mitigation and site remediation at the Marine View Drive facility.

INSURANCE INFORMATION

General Metals listed all insurance carriers, policies, coverages, dates, amounts, and extent of coverages in their 104(e) response. The individual policies were not attached.

RECOMMENDED PRPs

Leslie P. Sussman owns the property, operated the facility prior to 1981, and was one of the original founders and owners of General Metals (CB/NT 8.7.2.17.2-0001). Mr. Don Oline was the original owner of the 6 ac site that was used for disposal of solvent-contaminated sludges from Occidental Chemical. Both Mr. Oline and Mr. Sussman have been identified as PRPs for their past involvement with this site.

SUMMARY

General Metals has discharged potentially hazardous materials via a storm drain and nonpoint surface runoff to Hylebos Waterway. Based on this information, Tetra Tech, Inc. recommends that General Metals remain on the PRP list for Hylebos Waterway.

REFERENCES

CB/NT 8.7.2.17.2-0001. Attachments 0001A-B.
Blount, David L. 25 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Counsel, General Metals of Tacoma, Tacoma, WA.

REIL. 1988. Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
LOUISIANA PACIFIC CORPORATION

OVERVIEW

Louisiana Pacific Corporation (Louisiana Pacific) owns a 33.35-ac parcel at the southeastern terminus of Hylebos Waterway, located at 3825 Taylor Way (CB/NT 8.7.2.26.2-0001). Since 1974, the facility has been used as a log sort yard. ASARCO slag was used as road ballast at the log sort yard between 1974 and 1978. In 1981, Ecology determined that the facility's surface runoff was contributing to heavy metals loading of Hylebos Waterway (CB/NT 8.2.7.2.26.2-0001).

FACILITY DESCRIPTION AND LOCATION

Louisiana Pacific owns and operates a log sort yard and sawmill at 3825 Taylor Way, where Hylebos Creek enters Hylebos Waterway. The logs are stored, processed, and shipped to both domestic and overseas markets (CB/NT 8.7.2.26.2-0001). Louisiana Pacific states that past owners and operators of the facility were Cheney Lumber Co., Port of Tacoma, and Sophia Eschbach (CB/NT 8.7.2.26.2-0001; Pg. 2). In 1974, the company purchased the facility from Cheney Lumber Company.

CHEMICAL USE AND DISPOSAL

Louisiana Pacific sorts and stores raw logs for its sawmill operation. The logs are sawed, debarked, steam dried, and planed into studs (boards) (CB/NT 8.7.2.26.2-0001).

Wood-chips generated in the sawmill operation are collected and sold as hog fuel. Hog fuel consists of wood chips, pulverized logs, and board ends. All finished boards are kiln-dried, so chemical sap-stain control and preserving chemicals are not used at the facility.

Ballast material is used to stabilize loading and unloading areas and log-deck surfaces. ASARCO slag was used as ballast intermittently from 1974 to 1978 (CB/NT.2.7.26.2-0001; p. 5). During log sort yard operations, slag used for road ballast mixed with sort yard surface debris. This debris consisted of bark, fragmented logs, soil, rock, and ballast. In the past, the material was removed by yard maintenance contractors, who in turn sent the debris to Seaport Bark and Executive Bark companies for processing.

CONTACT MAILING ADDRESS

Facility Address:
Louisiana Pacific Corporation
3701 Taylor Way
Tacoma, WA 98421

Mailing Address:
Louisiana Pacific Corporation
3825 Taylor Way
Tacoma, WA 98421
(206)-383-2424
Attn: Mr. Jim Lynch

CORPORATE STATUS

Louisiana Pacific is a Delaware corporation, with headquarters in Portland, Oregon.

SURFACE WATER DRAINAGE

The surface drainage from the 33.35-ac facility has been investigated by Ecology and Louisiana Pacific's consultants (CB/NT 8.7.2.26.2-0001C). Shallow ditches (number unspecified) located between log-decks act as channels for stormwater runoff to Hylebos Creek. Perimeter surface runoff also contributes to dissolved metals loading to Hylebos Waterway.

Louisiana Pacific maintains a discharge pipe for non-contact cooling water from the sawmill's air compressors. The discharge pipe is a non-permitted discharge to Hylebos Waterway.

In 1983 and 1984, Ecology monitored surface water runoff from all log sort yards in the tideflats area (CB/NT 8.7.2.26.2-0001C). Elevated concentrations of arsenic, zinc, copper, and lead were seen in sort yards where ASARCO slag was used.

ENVIRONMENTAL STATUS

Ecology began investigations of surface water runoff from log sort yards in the Commencement Bay tideflats area in January 1981. From August 1983 to November 1984, Ecology conducted detailed investigations of log sort yard releases and the distribution of heavy metals in the Hylebos Creek drainage (CB\NT 8.7.2.26.2-0001; p. 9). Their studies estimated the heavy metal loadings of arsenic (0.24 lb/day), zinc (0.042 lb/day), lead (0.027 lb/day), and copper (0.04 lb/day).

Ecology and Environment, Inc. under contract to EPA, conducted a preliminary site investigation of Louisiana Pacific's log sort yard in 1986. They collected site and historical data prior to the initiation of a ground-water sampling program (CB/NT 8.7.2.26.2-0001C; p. 9). The Ecology and Environment report cited the results of Tetra Tech's 1985 chemical analyses of surface runoff published in the CB/NT RI (CB/NT 8.7.2.26.2-0001C; p. 9).

Tetra Tech's report concluded that Louisiana Pacific's log sort yard runoff contained "elevated" levels of arsenic (1,415 ug/L), zinc (335 ug/L), copper (242 ug/L), and lead (164 ug/L).

Through a cooperative agreement reached between Ecology and Louisiana Pacific in June 1987, Louisiana Pacific initiated a surface water runoff, soils, and groundwater sampling program. Their consultants confirmed the findings of previous investigators under contract to U.S. EPA and Ecology (CB/NT 8.7.2.26.2-0001C; p. iii).

INSURANCE INFORMATION

Louisiana Pacific Corporation listed all insurance carriers, policies, coverage, dates, amounts, and extent of coverage in their 104(e) response. The individual policies were not attached. The list did not indicate whether or not the company had coverage for environmental releases or damages.

RECOMMENDED PRPs

Louisiana Pacific stated that slag laden surface debris from the log sort yard was sold to Seaport Bark and Executive Bark Companies for processing. Tetra Tech recommends that these companies be sent general notice letters.

SUMMARY

Louisiana Pacific's operations at the facility have contributed heavy metals to Hylebos Waterway via open channel and nonpoint surface runoff from its log sort yard (CB/NT 8.7.2.26.2-0001). The company has stated that ASARCO slag was used as ballast in their log sort operations at the facility. ASARCO slag is a major contributor to heavy metals contamination of the CB/NT Superfund site. Therefore, Tetra Tech recommends that Louisiana

Pacific remain on the PRP list for Hylebos Waterway. Since Seaport Bark and Executive Bark Companies accepted slag laden surface debris from the facility, they should be added to the PRP list.

REFERENCES

CB/NT 8.7.2.26.2-0001; Attachments 0001A-F
Krages II, Bert P. 26 May 1989. Personal Communication (Letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Counsel, Louisiana Pacific Corporation, Tacoma, WA.

Ecology and Environment. 8 September 1986. Site Inspection Report for Louisiana Pacific. Field trip report on Louisiana Pacific's Taylor Way and Wasser-Winters log sort yards.

REIL. 1988. Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
MURRAY PACIFIC CORPORATION

OVERVIEW

Murray Pacific Corporation, through its subsidiary Pan Pacific Trading Company, is the current owner of a log sort yard located on Hylebos Waterway, south of Lincoln Avenue. Murray Pacific used the site as a log sort yard, and leased the site for bark recycling and topsoil processing. ASARCO slag, used as road ballast at the site, has been determined to be a primary source of heavy metals such as arsenic, lead, zinc, and copper in Hylebos Waterway (D 37). Stormwater runoff, collection, and discharge systems discharge from the facility into Hylebos Waterway (CB/NT 8.7.2.33.2-0001).

FACILITY DESCRIPTION AND LOCATION

The Murray Pacific log sort yard at 3502 Lincoln Avenue is located on two parcels totalling 16.52 ac, and is owned by Pan Pacific Trading Company (Pan Pacific), a subsidiary of Murray Pacific (CB/NT 8.7.2.33.2-0001; p. 2). Pan Pacific has owned the property since September 1967, when the land was acquired from Bufflen Woodworking Company. Murray Pacific conducted log sorting operations at 3502 Lincoln Avenue East, until activities were terminated in 1985. Pan Pacific subleased a portion of the property to Sea Port Bark Supply, Inc. from August 1985 until June 1988 for beauty bark and topsoil processing (CB/NT 8.7.2.33.2-0001; p. 2). Sea Port Bark Supply, Inc. is no longer operating at this facility.

CHEMICAL USE AND DISPOSAL

Log sorting operations entail the sizing, separation, storage, and transportation of raw logs. The activities require large tracts of undeveloped property, and use large amounts of ballast rock to support logging trucks and other equipment.

Murray Pacific used ASARCO slag as ballast at this facility starting in 1975. TPCHD expressed concerns about arsenic in ASARCO slag in 1981 and Murray Pacific discontinued use of slag for road ballast in the same year. Approximately 29,225 tons of slag were obtained by Murray Pacific from ASARCO between 1975 and 1981 (CB/NT 8.7.2.33.2-0001; p. 3).

According to documents provided by Murray Pacific, the log sort yard was cleaned of debris, including slag, on an as-needed basis. The material was collected and disposed of by B and L Trucking (CB/NT 8.7.2.33.2-0001).

Sea Port Bark Supply, Inc. operated a beauty bark processing facility utilizing log wastes from nearby sort yards. Log sort yard debris from Commencement Bay tideflats sites was processed to recover bark and topsoil using high pressure water. The process washwater was collected in the three onsite ponds (CB/NT 8.7.2.33.2-0001). Murray Pacific consultants found elevated concentrations of arsenic (CB/NT 8.7.2.33.2-0001).

CONTACT MAILING ADDRESS

Facility Address:

Murray Pacific Timber Products Division
3502 Lincoln Avenue
Tacoma, Washington 98421

104(e) Respondent's Address and PRP Contact Address:

Murray Pacific Timber Products Division
3502 Lincoln Avenue
Tacoma, Washington 98421
Attn: L.T. Murray III, Manager

CORPORATE STATUS

Murray Pacific Corporation did not state the date of incorporation nor did it detail its corporate history in the 104(e) response (CB/NT 8.7.2.33.2-0001). The major subsidiaries were listed as Murray Pacific Supply Corporation of Alaska, Murray Hawaiian Ltd., Pan Pacific Trading Company of Oregon, Murray Pacific International Ltd. (Japan), Murray Pacific International Corporation (former DISC/now Free Yen), and the West Fork Timber Company. The directors and officers of the company are identified in the 104(e) response (CB/NT 8.7.2.33.2-0001; p. 2).

SURFACE WATER DRAINAGE

Runoff from the log sort yard flows into two open channels that discharge directly to Hylebos Waterway. Portions of the surface runoff not collected by the channels flow to a storm drain located along Lincoln Avenue, which discharges to Hylebos Waterway (TPCHD, 1988). Portions of the runoff flow directly into Hylebos Waterway from the log sort yard. Log sort yard runoff enters a nonpriority area of Hylebos Waterway.

ENVIRONMENTAL STATUS

In 1987, Ecology and Environment, Inc. sampled the soil and groundwater at the Murray Pacific Log Sort Yard (Log Sort Yard 1) (CB/NT 8.7.2.33.2-0001I). Low levels of arsenic, lead, copper, and chromium were found in the soil and groundwater samples. Applied Geotechnology, Inc. (AGI) was retained by Murray Pacific Corporation in 1987 to address soil and ground-

water contamination, to select remediation options, and to prevent continued migration of contaminants from the log sort yard (CB/NT 8.7.2.33.2-0001I).

Three storm water collection ponds on the property were investigated by AGI and were selected for remediation due to high concentrations of arsenic in the water (CB/NT 8.7.2.33.2-0001I). The feasibility design and cost analysis, closure plans, and site stabilization plans were submitted to Murray Pacific in March 1988. Grading and filling permits necessary to close the ponds were granted by the City of Tacoma Public Works Department on 19 September 1988. According to the 104(e) response submitted by Murray Pacific, the ponds were to be closed in July 1989 (CB/NT 8.7.2.33.2-0001I).

INSURANCE INFORMATION

Murray Pacific is insured through United Pacific Insurance Company (CB/NT 8.7.2.33.2-0001). These policies are available for review through Murray Pacific. The company did not indicate if the policies covered environmental releases or damages.

RECOMMENDED PRPs

Murray Pacific has owned the property since 1967, but did not provide ownership information prior to that date. Sea Port Bark Supply, Inc. leased a portion of the property for beauty bark and topsoil processing from August 1985 to June 1988 and is already a listed PRP for Hylebos Waterway (CB/NT 8.7.2.33.2-0001; p. 2).

SUMMARY

Murray Pacific's log sort yard operation has discharged heavy metals via a storm drain and nonpoint surface runoff to Hylebos Waterway. Based on this information, Tetra Tech recommends that Murray Pacific remain on the PRP list for Hylebos Waterway.

REFERENCES

CB/NT 8.7.2.33.2-0001, Attachment 0001I
Murray III, L.T. 27 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Manager, Murray Pacific Timber Products Division, Tacoma, WA.

D 037
Norton, D., and A. Johnson. 27 February 1985. Personal Communication (memo to Mr. Jim Krull, Washington Department of Ecology, Olympia, WA, regarding Commencement Bay log sort yards). Washington Department of Ecology, Olympia, WA. 3 pp.

REIL 1988
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department 1988
Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
HYLEBOS WATERWAY

29 September 1989

DRAFT PRP EVALUATION
OCCIDENTAL CHEMICAL CORPORATION

OVERVIEW

Occidental Chemical Corporation (Occidental) and a predecessor corporation, Hooker Electrochemical (Hooker), owned and operated a chemical production facility located on Hylebos Waterway at 605 Alexander Avenue in Tacoma since 1928 (CB/NT 8.7.2.37.2-0002). Hooker started production of chlorine and caustic soda at the facility in 1929. Industrial solvents were produced at the site from 1948 to 1973 (CB/NT 8.7.2.37.2-0002E). The facility has disposed of metals and solvents at the facility (CB/NT 8.7.2.37.2-0002B). The shallow groundwater beneath the facility has been contaminated by these discharges, and geohydrological studies have confirmed that the groundwater at the property discharges to Hylebos Waterway (CB/NT 8.7.2.37.2-0002E).

FACILITY DESCRIPTION AND LOCATION

Occidental owns and operates a chemical manufacturing plant at 605 Alexander Avenue. The 31.5-ac facility currently produces ammonia, ammonium hydroxide and sodium hypochlorite (CB/NT 8.7.2.37.2-0002A). From 1947 to 1973, the plant produced chlorinated organic solvents, primarily trichloroethene and tetrachloroethene. The plant is located at the mouth of Hylebos Waterway, north of East 11th Street.

In 1928, Hooker Electrochemical Company purchased the original 21-ac facility. The company bought an additional 10.5 ac parcel from the Todd Shipyards in April 1946. During the same month, Hooker Electrochemical deeded the northern 200 ft of the facility to Hooker Detrex Company.

ENFORCEMENT CONFIDENTIAL
HYLEBOS WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PORT OF TACOMA/WASSER-WINTERS LOG SORT YARD

OVERVIEW

The Port of Tacoma (Port) owns 13.54 ac of property at the head of Hylebos Waterway located at 1602 Marine View Drive (CB/NT 8.7.2.46.2-0003D). The site has been used intermittently as a log sort yard since 1966. ASARCO slag was reportedly used as ballast at the site between 1972 and 1984. In 1981 and 1985, Ecology determined that the site's surface water runoff was contributing heavy metals to Hylebos Waterway (CB/NT 8.7.2.46.2-0003D).

FACILITY DESCRIPTION AND LOCATION

The vacant 13.54-ac site is located on the shore of Hylebos Waterway, where Hylebos creek enters the waterway. The facility has been used intermittently for log storage and sorting since 1966. From 18 July 1966 to 31 May 1972, Mitsubishi International Corporation leased 12.6 ac of the site from the Port for log storage. Wasser-Winters Company (Wasser) leased the entire site from 1 June 1972 through November 1984. Louisiana Pacific Corporation leased the property from September 1986 to November 1986 (CB/NT 8.7.2.26.2-0001; Pg 2).

CHEMICAL USE AND DISPOSAL

Wasser was the last known tenant to have used ASARCO slag for road ballast at this facility (CB/NT 8.7.2.26.2-0001; Pg 6). Wasser used the site for sorting, storage, and shipping of logs from June 1972 to November 1984 (CB/NT 8.7.2.46.2-0003D). Since Wasser was not asked to submit a general response letter detailing its operations and history, further

general response letter detailing its operations and history, further statements concerning their wastes and waste disposal practice cannot be made. The Port of Tacoma did state that an underground storage tank was known to exist on the property (CB/NT 8.7.2.46.2-0003B). Both Louisiana Pacific Corporation and the Port indicated that Wasser could provide further information on the past use of the property (CB/NT 8.7.2.26.2-0001; CB/NT 8.7.2.46.2-0003D).

CONTACT MAILING ADDRESS

Facility Address:
Port of Tacoma
1602 Marine View Drive
Tacoma, WA 98421

Mailing Address:
Port of Tacoma
One Sitcum Plaza
Tacoma, WA 98421
(206)-383-5841
Attn: Ms. Leslie Sacha

CORPORATE STATUS

The Port of Tacoma, established in 1918, is a public port district responsible for the maintenance and operation of port facilities in the Tacoma area.

SURFACE WATER DRAINAGE

The surface water drainage from the 13.54-ac site has been investigated by Ecology and Port consultants (CB/NT 8.7.2.46.2-0003D; Haberman, C. 12 March 1987). When the facility was used for log storage, shallow

ditches carried surface water runoff from between the log decks. Perimeter surface runoff flows still contribute to heavy metals loading of Hylebos Waterway during storm conditions.

In 1983 and 1984, Ecology monitored surface water runoff from all log sort yards in the CB/NT Superfund site (CB/NT 8.7.2.46.2-0003B). Elevated concentrations of arsenic, zinc, copper, and lead were seen in yards where ASARCO slag was used.

ENVIRONMENTAL STATUS

Ecology first sampled surface water runoff at the facility in 1981. They found elevated levels of zinc, arsenic, lead, nickel, and copper. From 1983 through 1984, Ecology conducted a monitoring survey of all log sort yards in the CB/NT Superfund site. They again found highly elevated levels of zinc, arsenic, lead, nickel, and copper at the Wasser log sort yard.

In 1985, U.S. EPA conducted an RI of the CB/NT Superfund site (Haberman, C. 25 March 1987). They identified the Wasser log sort yard as one of the major sources of heavy metals contamination for Hylebos Waterway.

The Port of Tacoma agreed to a Consent Order issued by Ecology on 12 March 1987. The Port agreed to conduct a preliminary site characterization and focused feasibility study of the site. The Port's consultants issued a report on their site investigations and tests on 13 April 1987 (CB/NT 8.7.2.46.2-0003D).

U.S. EPA conducted extensive soil sampling of the site in 1987. No semivolatile organics or pesticides were detected in site soils. Their report was issued to the Port on 3 August 1987 (CB/NT 8.7.2.46.2-0003D).

The Port indicated that ASARCO was in the process of having Battelle Research conduct leach tests on the slag/bark mixture (CB/NT 8.7.2.46.2-0003D).

INSURANCE INFORMATION

The Port of Tacoma listed all insurance carriers, policies, coverage, dates, amounts, and extent of coverage in their 104(e) response. The individual policies were not attached but the Port stated they would be available upon request. The response did not indicate coverage for environmental releases or damages (CB/NT 8.7.2.46.2-0003D).

RECOMMENDED PRPs

The Port of Tacoma indicated that Wasser leased the site from 1972 through 1984 (CB/NT 8.7.2.46.2-0003D). Louisiana Pacific Corporation stated in their 104(e) response that Wasser used ASARCO slag for road ballast at the site (CB/NT 8.7.2.26.2-0001; Pg 6). It is recommended that Wasser be sent a general notice letter.

SUMMARY

In the past, log sort yard operations at the Wasser facility have discharged heavy metals to Hylebos Waterway via open channel and nonpoint surface runoff (CB/NT 8.7.2.46.2-0003D; Haberman, C. 12 March 1987). Wasser reportedly used ASARCO slag for road ballast at the Port owned site. ASARCO slag has been identified as a major contributor to heavy metals contamination in the CB/NT Superfund site. Therefore, Tetra Tech recommends that the Port of Tacoma remain on the PRP list, and that Wasser-Winters Company be added to the PRP listing.

REFERENCES

CB/NT 8.7.2.46.2-0003; Attachments 0003A-D
Blumenfeld, Charles R. 31 July 1989. Personal Communication (Letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Counsel, Port of Tacoma, Tacoma, WA.

Haberman, C. 12 March 1987. Personal Communication (Consent Order to Port of Tacoma, Washington Department of Ecology, Olympia, WA). Washington Department of Ecology, Olympia, WA. 16pp + attachment.

REIL. 1988. Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma - Pierce County Health Department. 1988.
Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
HYLEBOS WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WASHINGTON DEPARTMENT OF NATURAL RESOURCES

OVERVIEW

The Washington Department of Natural Resources (WDNR) owns contaminated sediments in the Mouth and Head of Hylebos Waterway priority areas. WDNR manages these aquatic submerged tidelands, which are referred to as state waterway areas (i.e., sediments throughout the entire waterway area, which are commonly used for navigation). Because harbor areas have never been established within Hylebos Waterway, WDNR does not administer leases for any tidelands in Hylebos Waterway (Marshall, K., 9 August 1989, personal communication). WDNR has administered leases for harbor areas located adjacent to the Mouth of Hylebos Waterway priority area in Commencement Bay, and information on those lessees was provided by WDNR (see LESSEE INFORMATION). WDNR has never conducted operations or activities in Hylebos Waterway.

In a previous investigation concerning Harbor Island, WDNR mentioned that although the state owns submerged lands, the improvements (e.g., fill, structures) in these areas may be owned by the lessees (e.g., the Port may own fill that was used in a waterway area) (Bortz, D., 22 December 1987, personal communication).

Information concerning the types of facilities, chemicals used and disposed of, results of environmental investigations, and surface water drainage patterns on WDNR's property is either not applicable or not available. WDNR has no knowledge regarding spills, leaks, and/or pipeline breaks of hazardous substances, pollutants, or contaminants on or around property owned by the state within the CB/NT Superfund site (CB/NT 8.7.4.4.2-

0002; p. 2). Until very recently, leases issued by WDNR did not contain any requirement that the lessee report such problems to the state, and therefore, WDNR lease files contain little or no information regarding these problems.

LESSEE INFORMATION

The state sold the tidelands of Hylebos Waterway to James M. Ashton on 2 May 1906, and reacquired the waterway in 1918 (CB/NT 8.7.4.4.2-0002A; p. 30). Since then, WDNR has not leased any tidelands in Hylebos Waterway (CB/NT 8.7.4.4.2-0002A; p. 30). WDNR provided information on the last known address for each of their lessees of harbor areas located adjacent to the Mouth of Hylebos Waterway priority area in Commencement Bay (CB/NT 8.7.4.4.2-0003; pp. 27-32). The following lessees were listed for harbor areas fronting portions of Blocks 1, 2, 4A, and 5 (see maps in CB/NT 8.7.4.4.2-000C):

- Port of Tacoma - Block 1, port management (term 5/9/72-indefinite).
- Foss Launch & Tug Company - Block 2, booming (term 5/28/38-5/28/88).
- Foss Maritime - Block 2, lessees activity was not listed (term 5/28/88-5/28/98).
- William Gantz - Block 2, lessees activity was not listed (term 2/5/70-6/19/70).
- John Meaker - Blocks 1 and 2, lessees activity was not listed (term 6/1/81-6/1/93).
- Blocks 4A and 5 - Waterway crossings and submarine cables.

CONTACT MAILING ADDRESS

Current Address:

Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504

104(e) Respondent's Address and PRP Contact Address:

Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504
Attn: Kathy Marshall (Lease Administrator)
Ron Teissere (Assistant Division Manager)

RECOMMENDED PRPS

It should be noted that the Port of Tacoma claims jurisdiction over the Head of Hylebos Waterway, contrary to information presented by WDNR. The question of jurisdiction may not have been raised previously, as there are no leasable harbor areas within Hylebos Waterway. The Port is already a PRP for Hylebos Waterway.

SUMMARY

WDNR owns all contaminated sediments in the Hylebos Waterway priority areas. Based on that information, Tetra Tech recommends that WDNR remain on the PRP list for Hylebos Waterway.

REFERENCES

CB/NT 8.7.4.4.2-0002, Attachments 0002A-0002C
Teissere, R. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 3 pp. + attachments.

CB/NT 8.7.4.4.2-0003
Marshall, K. 20 July 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 1 pp. + 32 pp. supplementary list.

Bortz, D. 22 December 1987. Personal Communication (meeting with Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. Copy not provided.

Marshall, K. 9 August 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA.

Hooker Electrochemical regained the 200 ft of property in June 1956 (CB/NT 8.7.2.37.2-0002). In June 1968, Occidental Petroleum Corporation purchased Hooker Electrochemical. On an unspecified date, Hooker was renamed to Occidental Chemical.

CHEMICAL USE AND DISPOSAL

Occidental's chlor-alkali plant produces ammonia, ammonium hydroxide, chlorine, hydrochloric acid, sodium hydroxide and sodium hypochlorite. The three main wastestreams associated with the production of these chemicals are chlorinated organics, brine sludge, and asbestos.

Chlorinated organics are produced from the chlorine purifying unit. From 1929 to 1970, the chlorinated organics were discharged directly to Hylebos Waterway. Approximately 50-75 gal/day of chloroform, carbon tetrachloride, and hexachloroethane are produced within the chlorine purifying unit (CB/NT 8.7.2.37.2-0002B).

The chlorinated organic wastes were stored in railroad tank cars from 1970 to 1979 (CB/NT 8.7.2.37.2-0002B and are now sent to an incineration unit.

Brine sludge is produced at a rate of 3 tons/day (dry weight basis) from the brine purification and clarification processes. The components of brine sludge are calcium carbonate, magnesium hydroxide, sodium chloride, strontium, and lead. From 1929 to 1970, the sludge was discharged directly to Hylebos Waterway and to a "lime" barge. The decant from the barge was pumped into the waterway and the settled solids were hauled to a deepwater disposal site (CB/NT 8.7.2.37.2-0002B).

Two onsite pits in the southwest portion of the property were used for the disposal of brine sludge and asbestos from 1972 to 1977. From 1977 to

1980, the brine sludge was hauled in dumpsters to the Tacoma Municipal Landfill (D 201-1).

Asbestos waste is produced during the cathode washing process in the electrolytic cells used to produce chlorine. The asbestos diaphragms are both the cathodic component, or negative electrode, of the cell and the separation membrane (Riegel 1983).

Asbestos is trapped by a strainer in the cathode washing unit. Prior disposal practices involved placing the strained asbestos with the old concrete cell bodies along the bank bordering Hylebos Waterway. Much of this material was washed into the waterway through storm surface runoff and tidal action. From 1971 to 1980, the asbestos was placed in containers and disposed of in the City of Tacoma's Municipal Landfill.

Occidental operated a chlorinated organic solvent plant that produced trichloroethylene and perchloroethylene from 1947 to 1973 (CB/NT 8.7.2.37.2-0002A). The production wastes from this plant were disposed of in several onsite holding ponds or surface impoundments between September 1949 and September 1979 (CB/NT 8.7.2.37.2-0002E). Six initial holding ponds were in operation between September 1949 and September 1952. The first four ponds were located side-by-side next to the banks of Hylebos Waterway. The other two ponds, also side-by-side, were located in the northeast quarter of the plant where the present Salt Pads reside.

Holding ponds are sedimentation or settling ponds where the liquid is decanted and settled solids are dredged or pumped out. Occidental pumped in slurry wastes and decanted the liquid directly to Hylebos Waterway. The settled solids (25 percent by weight) were dredged and transported by barge to a deep water disposal site in Commencement Bay. All six ponds were emptied and filled with clean dirt in September 1952 (CB/NT 8.7.2.37.2-0002E).

The pond wastes were composed of calcium hydroxide slurries; effluent from the dehydrochlorination stripper process, which is a calcium chloride solution with excess calcium hydroxide solids and trace amounts of chlorinated organics; and residual still bottoms.

Two holding ponds were built in February 1972 to handle the wastes from the chlorinated organic solvents plant and other plant processes. The wastes were the same as those mentioned for the original six ponds. In addition, brine sludge from the brine purification system, some asbestos, filter cake from the calcium chloride filtering operation, brine, salt, and caustic soda tank sludges were pumped to these ponds.

The solvent plant was decommissioned in May 1973. The wastes from the chlor-alkal process were pumped to the ponds until 1978. Both ponds were emptied and filled with sand and gravel. The large pond or "South" pond was closed in February 1978. The other pond was closed in September 1978.

Throughout the lifetime of the ponds, the dredged solids were removed and disposed of at offsite locations, both public and private. Prior to April 1972, some of the dredged solids went to the Tacoma Municipal Landfill. From 1 May 1972 to June 1972, dredged pond wastes were trucked to the Petarcik Site, which is north of Highway 99 and about 0.5 mi west of Fife. The dredged pond wastes were trucked to two landfills owned by Mr. Don Oline from June 1972 to May 1973. The first landfill, previously owned by Mr. Oline, and now owned by Mr. Leslie P. Sussman, is currently leased by General Metals Corporation. It is located across Marine View Drive from the company's scrapyard. The second, also once owned by Mr. Oline, now owned by Solidus and Chemical Processor's, Inc., is located between Taylor and Alexander Avenue.

The asbestos, graphite anodes, brine sludge (muds and soils), trichloroethane (F002), chloroform, carbon tetrachloride, and hexachloroethane (all

three listed as K073) are currently disposed of at RCRA permitted facilities (CB/NT 8.7.2.37.2-0002B).

CONTACT MAILING ADDRESS

Facility Address:
Occidental Chemical Corporation
605 Alexander Avenue
Tacoma, WA 98421

Mailing Address:
Occidental Chemical Corporation
Post Office Box 2157
Tacoma, WA 98401
Attn: Blair M. Moore, Plant Manager

CORPORATE STATUS

The 104(e) response letter (CB/NT 8.7.2.37.2-0002; pp. 1-3), does not detail corporate history for either Hooker or Occidental.

Other information shows Hooker Electrochemical Company formed as a corporation in 11 November 1909 (Capital Changes Reports 1988). When Hooker Electrochemical merged with Shea Chemical Corporation in 29 May 1958, Hooker Electrochemical Company became Hooker Chemical Corporation. Occidental Petroleum Corporation acquired the assets of Hooker Chemical Corporation on 24 June 1968.

It is uncertain when Occidental decided to drop all references to Hooker Chemical Corporation in the early 1980's (CB/NT 8.7.2.37.2-0002E).

SURFACE WATER DRAINAGE

Surface water from Occidental is discharged by three main outfalls to Hylebos Waterway (TPCHD 1988). The TPCHD drainage map shows approximately eight separate outfalls from Occidental's plant perimeter. Surface and subsurface soils contamination from the disposal of solvent intermediates and byproducts had been confirmed by Occidental's consultants (CB/NT 8.7.2.37.2-0002E). Ecology ordered the cleanup of two onsite ponds that were used to store wastes from the chlorinated solvents plant (CB/NT 8.7.2.37.2-0002E). The Occidental consultants found that the organochlorine contaminated soils were the source of groundwater contamination beneath the plant (CB/NT 8.7.2.37.2-0002E). In 1981, Occidental removed approximately 2,000 cubic yards of contaminated soils from the property. The excavated areas were filled with clean soil and capped with an asphalt cover. Recent studies have determined that surface water runoff from the plant grounds does not contain measurable quantities of chlorinated organics or heavy metals.

ENVIRONMENTAL STATUS

The Occidental solvent plant was in operation from January 1947 until May 1973 and produced trichloroethylene and perchloroethylene. Ecology ordered Occidental to remove soils contaminated with chlorinated organic compounds in concentrations in excess of 150 ppm in January 1981 (CB/NT 8.7.2.37.2-0002E). In May 1981, Ecology ordered the company to conduct onsite groundwater and water quality monitoring in Hylebos Waterway. Approximately 2,000 yd^3 of contaminated soils were removed from the plant between April and May 1981. The excavated areas were backfilled with clean fill and capped with asphalt cover (CB/NT 8.7.2.37.2-0002E; p. 10).

Soil and groundwater contamination from caustic production was addressed in an 28 August 1980 report to Occidental (CB/NT 8.7.2.37.2-0002E; p. 11). The source of contamination was traced to a deteriorating building

floor in the caustic production unit. Occidental stated that the floor was replaced from April 1982 through January 1983. Review of Occidental's 104(e) response shows that as of 31 January 1985, the water quality of Hylebos Waterway was still being monitored by the company's consultants (CB/NT 8.7.2.37.2-0002E).

INSURANCE INFORMATION

Occidental stated that they have had numerous insurance carriers during the lifetime of the plant (CB/NT 8.7.2.37.2-0002E), and that many provide a variety of coverage. Occidental declined to provide specific information and asked for additional guidance in answering the question.

SUMMARY

Occidental Chemical Corporation is the owner and operator of a plant that has discharged chlorinated organic solvents and caustic residuals to the Head of Hylebos Waterway. Recent investigations show the subsurface water flow toward Hylebos Waterway is contaminated with chlorinated organics, metals, and caustic soda.

The past disposal practices at Occidental included onsite soil dewatering of waste process sludges, outfall discharge of process wastes, and both onsite and offsite landfilling of slurries containing chlorinated organics.

Based on past disposal practices and historical documentation, Tetra Tech, Inc., recommends that Occidental remain on the PRP list for Hylebos Waterway.

REFERENCES

CB/NT 8.7.2.37.2-0002, Attachments 0002B-E.
Moore, B.M. 27 JUne 1989. Personal Communication (Letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle WA). Plant Manager, Occidental Chemical Corporation, Tacoma, WA. 1pp + attachments.

D 201-1
Tetra Tech. 1989. Tacoma Landfill 104(e) response, written analysis of Occidental Chemical Corporation. Prepared for US Environmental Protection Agency Region X, Seattle, WA. Tetra Tech, Inc. Bellevue, WA.

Capital Changes Reports. 1988. V4. Commence Clearing House, Inc. Chicago, IL.

Kent, J.A. (ed). 1983. Riegel's Handbook of Industrial Chemistry. 8th ed. van Nastrand Reinhold Co., New York, NY. 979 pp.

REIL. 1988. Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Sitcom

ENFORCEMENT CONFIDENTIAL
SITCUM WATERWAY

29 September 1989

DRAFT PRP EVALUATION
APEX FORGE AND TOOL COMPANY

OVERVIEW

Apex Forge and Tool is the current operator of the facility at 2311 Ross Way in Tacoma. Apex uses small quantities of several hazardous materials, including some containing chemicals found in Sitcum Waterway bottom sediments (e.g., PAH) (CB/NT 8.7.3.2.2-0001; pp. 3-4). However, it is unlikely that Apex has contributed significantly to contamination of a priority area because of the small quantities involved and the lack of a viable migration pathway to Sitcum Waterway.

FACILITY DESCRIPTION AND LOCATION

Apex is the current operator of a tool manufacturing facility located at 2311 Ross Way in Tacoma. Apex was formed and began operations at this location on 22 April 1983. Between 22 April 1983 and approximately May 1984, Apex rented the property on a month-to-month basis from Bernard Coski (Groves, S., 17 July 1989, personal communication). Since May 1984, Apex has leased the property from Mintercreek Development, the current owner. This facility has been used for tool manufacturing since the 1950s, and was operated by a succession of companies prior to 1984. A partial history of company ownership is provided in RECOMMENDED PRPs (below).

The tool manufacturing processes employed by Apex include forging, cutting, welding, grinding, machining, heat treating, and some painting of ferrous and non-ferrous metals (CB/NT 8.7.3.2.2-0001; p. 1). All of these activities are carried out in the two buildings that occupy approximately half of the property. The remaining half of the property is either

exposed soil or concrete pad, and is used for storage of raw materials (primarily steel) and finished products (Groves, S., 17 July 1989, personal communication).

CHEMICAL USE AND DISPOSAL

Steel is the principal raw material used by Apex. Most of the processes used are physical (e.g., grinding, forging) rather than chemical (e.g., etching, plating) in nature. The use of chemicals is limited to cooling oils, hydraulic oils, and small amounts of paints and solvents. Apex uses approximately 200 gal/yr of various coolant, hydraulic, lubricating, and heat treating oils, some of which contain PAH compounds. PAH are priority chemicals for Sitcum Waterway (CB/NT 8.7.3.2.2-0001; p. 4). Paint is applied by dipping a part in a trough or tank of clear lacquer, black enamel, or "gilsonite" asphalt-based coating. Less than 150 gal of these paints and cleaning solvents such as xylene are used each year (CB/NT 8.7.3.2.2-0001; p. 4).

The major waste generated by Apex is scrap metal, in the form of chips, turnings, and scale from tempering. All scrap metal is removed by local scrap dealers for recycling. All other chemicals are consumed in the processes. For example, cooling oils either adhere to cuttings and are disposed of as scrap, or are consumed by the heat of the process (e.g., drilling). Parts requiring painting are not degreased prior to painting (Groves, S., 17 July 1989, personal communication) and the only waste generated during the painting process is dried paint, which accumulates on the trough. This material is chipped off and disposed of in the trash (CB/NT 8.7.3.2.2-0001; p. 3).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:
Apex Forge and Tool Company
2311 Ross Way, Tacoma
(206) 572-7460
Attn: Stephen Groves, President

CORPORATE STATUS

Apex is a closely held corporation that began operations on 22 April 1983 (CB/NT 8.7.3.2.2-0001; p. 1). The primary stockholders are Reynold L. Saari, Stephen Groves, Grant Sarver, and Katherine Groves. Mr. Sarver became a stockholder on 1 July 1988, when he sold certain assets and operations of SEAFORGE, a sole proprietorship located in Seattle, to Apex for stock (CB/NT 8.7.3.2.2-0001; p. 1).

SURFACE WATER DRAINAGE

Surface water that collects onsite infiltrates into the soil or runs into storm drains (CB/NT 8.7.3.2.2-0001; p. 1). Storm drains in this area of the tideflats discharge to Sitcum Waterway (TPCHD 1988). All process areas are located inside the two buildings. They are paved with concrete and do not drain to sumps or other drains (Groves, S., 17 July 1989, personal communication).

ENVIRONMENTAL STATUS

No environmental investigations have taken place at this location (CB/NT 8.7.3.2.2-0001; p. 5).

INSURANCE INFORMATION

Apex carries broad form comprehensive general liability insurance (CB/NT 8.7.3.2.2-0001I). However, it is not known whether this policy covers damages resulting from the release of hazardous chemicals or substances.

RECOMMENDED PRPs

Several other forge and tool operations existed at this location prior to Apex (Groves, S., 17 July 1989, personal communication). Apex indicated that the same general types of processes have been conducted by each of the previous operators (CB/NT 8.7.3.2.2-0001; p. 1). The immediate predecessor to Apex was Trade Industries, a company wholly owned by Reynold L. Saari (a current stockholder in Apex). Trade Industries started operations in 1977, when it acquired the assets of West-Trade Industries, which was in bankruptcy (Groves, S., 17 July 1989, personal communication). Prior to West-Trade Industries, the facility was operated by Coski Pacific Forge, owned by Bernard Coski, who started the original operation in the 1950s. Mr. Coski has been identified as a PRP for sediment contamination in Hylebos Waterway, but has not been identified as a PRP for this facility.

SUMMARY

Based on the available information, it does not appear that Apex has contributed to sediment contamination of Sitcum Waterway. Therefore, Tetra Tech recommends deleting Apex from the PRP list. However, Tetra Tech recommends that all predecessors of Apex including Trade Industries, West-Trade Industries, and Coski Pacific Forge be added to the PRP List for Sitcum Waterway pending further investigation.

REFERENCES

CB/NT 8.7.3.2.2-0001, Attachments 0001A-I

Groves, S. 19 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). President, Apex Forge and Tool Co., Tacoma, WA.

Groves, S. 17 July 1989. Personal Communication (phone by Mr. Brian O'Neal, Tetra Tech, Inc., Bellevue, WA). President, Apex Forge and Tool Co., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
BARTHEL CHEMICAL

Barthel Chemical is a division of Norcore Plastics, Inc., and manufactures fiberglass and rubber. Norcore Plastics purchased Barthel Chemical in September 1983. Norcore Plastics is owned by Glein Investments. Principal ownership and management are the same for Glein Investments, Norcore Plastics, and Barthel Chemical. All have their offices at the same address (CB/NT 8.7.3.16.2-0002). Norcore Plastic's 104(e) responses incorporate by reference those of Barthel Chemical. Because Barthel Chemical exists solely as a division of Norcore Plastics, and its owners and officers are those of Glein Investments and Norcore Plastics, Tetra Tech recommends deleting Barthel Chemical from the PRP list.

REFERENCES

CB/NT 8.7.3.16.2-0002
Glein, D. 26 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Vice President, Norcore Plastics, Inc., Tacoma, WA. 2pp.

ENFORCEMENT CONFIDENTIAL
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DRAFT PRP EVALUATION
DYKMAN/SOUND BATTERY COMPANY

OVERVIEW

Since 1946, Sound Battery Company has manufactured lead-acid storage batteries at 2310 East 11th Street in Tacoma (CB/NT 8.7.3.5.2-0001; p. 1). Marvin and Glee Dykman have owned the business since 1978 and the property since 1986. Sound Battery is located about 250 ft from the shoreline of Sitcum Waterway, so the Dykmans do not own contaminated sediments in the waterway. Although Sound Battery is within the Sitcum Waterway drainage basin, it is believed that Sound Battery has not released contaminants to Sitcum Waterway.

The current owner states that process wastewater has not been discharged directly to Sitcum Waterway via storm drain lines (CB/NT 8.7.3.5.2-0001C). Also, it is unlikely that stormwater runoff from the site has released contaminants via storm drain SI-172 to Sitcum Waterway. Although soil contamination has not been investigated onsite, it appears that potential contaminants used or generated by Sound Battery have not resulted in documented releases to the environment. All waste lead dross and mud oxide sludges generated by Sound Battery are sent to a smelter for recycling. Used batteries received by Sound Battery are sent to a recycler, and lead oxide washwater from plating machines is recycled onsite (CB/NT 8.7.3.5.2-0001). Although a 1984 inspection report suggests that the machine washwater was discharged to the soil (CB/NT 8.7.3.5.2-0001C; p. 2), Mr. Dykman (18 July 1989, personal communication) stated that washwater has always been recycled and that no direct discharges to the soil have occurred. If direct discharge had occurred, the potential impact to the environment would be minimal because contaminants have not been detected in the washwater (Dykman, M.,

20 July 1989, personal communication). Because the plating machines are only used for 8 h every 2 wk, only a small quantity of washwater is generated. Moreover, although lead has been identified as a contaminant of concern in Sitcum Waterway, lead concentrations in discharges from storm drain SI-172 have been attributed to street dust in stormwater runoff (D 066; p. 7.128) (D 067; pp. 7-6 and 7-12) (D 066; pp. 7.136-7.137).

During the RI and FS, lead was identified as a Priority 2 contaminant in Sitcum Waterway, with high concentrations at the head of the waterway (D 067; p. 7-1). Sound Battery was not identified as a specific contaminant source. Contamination in the waterway has been attributed primarily to the Port of Tacoma Terminal 7 ore unloading facilities and to storm drains, particularly SI-172 and SI-176 (D 066; p. 7.128) (D 067; pp. 7-6 and 7-12) (D 066; pp. 7.136-7.137). Potential sources of lead to storm drains include street dust, unidentified industrial sources (D 066; p. 7.135), and former paint wastes from Rheem Manufacturing (D 067; p. 7-12). Based on 1984 effluent data, storm drains SI-172 and SI-176 accounted for either 65 percent (D 067; p. 7-7) or 80-90 percent (D 067; p. 7-12) of the lead to Sitcum Waterway. Average lead contaminant concentrations derived from those limited data for Sitcum Waterway are similar to storm drain discharge data derived from the National Urban Runoff Program and Metro's urban runoff study program (D 067; 7-13).

Marvin Dykman stated that he manages a very modest operation with 4-5 employees, and they cannot tolerate any major cleanup costs (CB/NT 8.7.3.5.2-0001; p. 2). He stated that Sound Battery has never discharged any contaminants of concern, and that any lead found in the Sitcum Waterway comes from street dust (CB/NT 8.7.3.5.2-0001A; p. 4).

FACILITY DESCRIPTION AND LOCATION

Since 1946, Sound Battery Company has manufactured lead-acid batteries at 2310 East 11th Street in Tacoma (CB/NT 8.7.3.5.2-0001; p. 1). Mr. Ed Hammermeister, the original owner and operator, incorporated the business in 1971 (Dykman, M., 20 July 1989, personal communication). In January 1975, he sold the business to Preco of Boise, ID, and in October 1978, Preco sold the business to Marvin and Glee Dykman. In October 1986, Mr. Hammermeister sold the land to the Dykmans (CB/NT 8.7.3.5.2-0001; p. 1). The Dykmans currently lease the property to Sound Battery (CB/NT 8.7.3.5.2-0001A; p. 1). Mr. Dykman has worked at the facility since 1964 (Dykman, M., 20 July 1989, personal communication).

Sound Battery Company has not operated at any other location in Tacoma (CB/NT 8.7.3.5.2-0001A; p. 1), and their production process has not changed significantly over the years (Dykman, M., 20 July 1989, personal communication). The company receives used batteries as part of their business transactions, but they have never recycled batteries onsite, and they maintain records of used battery shipments to battery recyclers (e.g., Seafab, St. Helens) (Dykman, M., 18 July 1989, personal communication).

CHEMICAL USE AND DISPOSAL

In the process of manufacturing batteries, Sound Battery uses sulfuric acid, lead, lead oxide, and epoxy. Every 3-4 mo, Sound Battery receives about 11,000 lb of sulfuric acid and about 44,000 lb of 50-lb lead bars (CB/NT 8.7.3.5.2-0001A; p. 2). The sulfuric acid is stored in a stainless steel tank on a concrete floor in the manufacturing building. The lead is used to manufacture cells for the batteries. The scrap cells and lead dross solid wastes that are generated are stored in barrels under a covered area onsite (CB/NT 8.7.3.5.2-0001A; p. 2), and are ultimately trucked to a smelter for recycling (CB/NT 8.7.3.5.2-0001; p. 2).

Twice a month, Sound Battery picks up about 6,000 lb of lead oxide in 10 barrels. For 8 h every 2 wk, Sound Battery operates a machine that coats battery plate grids with lead oxide (Dykman, M., 18 July 1989, personal communication). After each use, the coating machines are cleaned and a washwater that contains lead oxide is generated (CB/NT 8.7.3.5.2-0001; p. 2). The wastewater is collected in a plastic tank and the mud oxide sludges are settled out. The washwater is then recycled through a second tank and used to clean the pasting machine belt (CB/NT 8.7.3.5.2-0001; p. 2). In 1986, the plastic holding tank was moved from outside the building and was set in the floor of the manufacturing area (CB/NT 8.7.3.5.2-0001; p. 2). Mud oxide sludges from the tank have always been sent to a smelter for recycling, and sludges and washwater were never spilled or disposed of onsite (Dykman, M., 18 July 1989, personal communication). At one time, washwaters may have been discharged to the soil (see ENVIRONMENTAL STATUS). Mr. Dykman (18 July 1989, personal communication) cited analyses that showed contaminants were not present in the washwater.

Information presented in a Commencement Bay small business discharge survey stated that a battery reclaiming tank was operated by Sound Battery (CB/NT 8.7.3.5.2-0001B). This tank was not used to recycle batteries, but was used in Sound Battery's former two-step battery manufacturing process (Dykman, M., 18 July 1989, personal communication). After manufacturing, weak acid was placed in batteries. Prior to shipment, the weak acid was dumped into a "reclaiming tank" and stronger acid was placed in the batteries. After the Commencement Bay small business discharge survey, the tank was moved inside the manufacturing building to ensure that spills could be contained inside.

As part of their business transactions for new batteries, Sound Battery receives used batteries. These batteries are stored outside and are trucked offsite by Budget Battery, who exports the batteries to foreign countries. Mr. Dykman stated that if any battery acid was historically dumped onsite,

that practice has not occurred at least for 20 yr (i.e., during the time of their ownership) (CB/NT 8.7.3.5.2-0001A; p. 2).

Since at least 1964, Sound Battery has operated a baghouse to clean lead dust from air in the furnaces and the manufacturing area. In 1985, a new baghouse was installed (Dykman, M., 18 July 1989, personal communication).

Sound Battery provided names, addresses, and phone numbers for four suppliers that could potentially provide additional information about their business.

CONTACT MAILING ADDRESS

Facility Address:
Sound Battery Company
2310 East 11th Street
Tacoma, WA 98412
Attn: Marvin Dykman

104(e) Respondent's Address and PRP Contact Address:
As above. (The following attorney may also be contacted).
Mr. Charles K. Douthwaite
Eisenhower, Carlson, Newlands, Reha, Henriot & Quinn
1200 First Interstate Plaza
Tacoma, WA 98402

CORPORATE STATUS

Sound Battery, a Washington corporation, was incorporated in 1971 (CB/NT 8.7.3.5.2-0001A; p. 1). The Dykmans purchased the company from Preco in 1978. Marvin Dykman is President, Kevin Dykman is Vice President, and

Glee Dykman is Secretary/Treasurer. Sound Battery has no subsidiaries or companies in which it has an interest.

SURFACE WATER DRAINAGE

The property owned by the Dykmans (parcel 2275200770) is almost entirely covered by the Sound Battery buildings and asphalt driveways and pads (CB/NT 8.7.3.5.2-0001; p. 2). Roof drainage from the building is discharged to the ground on the easterly side of the building (CB/NT 8.7.3.5.2-0001A; p. 3). During most hard rains, storm water runs about 250 ft across the back of the fire station to a catch basin on 11th Street that discharges via storm drain SI-172 to Sitcum Waterway. Storm drain SI-172 also receives stormwater runoff from the 170-ac high-density industrial and commercial area located southeast of the waterway. Sound Battery has never discharged directly to a sanitary sewer or storm drain line (CB/NT 8.7.3.5.2-0001C).

ENVIRONMENTAL STATUS

Two brief environmental inspections have been conducted by agencies at Sound Battery. On 15 February 1984, Ecology conducted a site inspection as part of the Commencement Bay small business discharge survey (CB/NT 8.7.3.5.2-0001B). The inspector noted that the ground was cluttered with junk batteries. He also implied that wastewater was discharged to the ground when water was decanted from the battery "reclaiming tank" and when the lead oxide coating machines were cleaned (CB/NT 8.7.3.5.2-0001B). The subsequent field compliance letter to Sound Battery was unclear in that Ecology simply stated that Sound Battery should design a plan for washing machinery (CB/NT 8.7.3.5.2-0001C). Mr. Dykman (18 July 1989, personal communication) stated that wastewater was not discharged to the ground and that it has always been recycled.

On 16 July 1986, a Tacoma Sewer Utility inspector requested that Sound Battery move two settling tanks inside the manufacturing building and seal

the inside drain. The inside drain had been used to collect washwater that flowed through pipes to one of the outside settling tanks. These requests were made to ensure that spills would be contained and that they would not reach groundwater or enter the sanitary sewer line.

During the RI, results of chemical analyses conducted on intertidal sediments near storm drain outfall SI-172 and on subtidal sediments from the head of Sitcum Waterway showed elevated lead concentrations in sediments. Concentrations of lead in surficial sediments of Sitcum Waterway are shown in Table 7.3.8 (D 066; p. 7.127). Loading estimates calculated for lead are shown in Table 7.3.5 (D 066; p. 7.133). Sound Battery was not identified as a specific source in the RI or FS. It is possible but unlikely that stormwater runoff from the facility may have released lead to Sitcum Waterway via SI-172 (see OVERVIEW). Other potential sources were previously discussed (see OVERVIEW).

INSURANCE INFORMATION

Sound Battery is currently insured by American States Insurance Company (CB/NT 8.7.3.5.2-0001A; p. 3). From 1 October 1987 to 1 october 1988 the company was insured by Uniguard (CB/NT 8.7.3.5.2-0002). The policy had an occurrence limit of $1,000,000, and its pollution clause may exclude from coverage any claim by U.S. EPA for costs related to the CB/NT Superfund site (CB/NT 8.7.3.5.2-0002).

From 1 October 1983 to 1 October 1984, an American States Insurance Company policy was in effect (CB/NT 8.7.3.5.2-0002). The policy covered property damages but included a pollution exclusion clause. Attorneys for Sound Battery have written to these insurance carriers for additional information.

RECOMMENDED PRPS

Possible PRPs for this property and business include (b) (6) (b) (6) and Preco. (b) (6) current address is (b) (6) (b) (6) Vashon Island, WA and his phone number is (b) (6) Mr. Hammermeister is (b) (6) (CB/NT 8.7.3.5.2-0001A; p. 1). Preco's current address is 4115 Broadway Avenue, Boise, ID, and their phone number is (208) 345-9000 (CB/NT 8.7.3.5.2-0001A; p. 1). Because Mr. Dykman (20 July 1989, personal communication) stated that Sound Battery's operations have been the same since at least 1964, it is not believed that Preco's or (b) (6) operations were a source of contaminants to Sitcum Waterway.

SUMMARY

Despite previously reported junk battery and waste acid handling practices (see CHEMICAL USE AND DISPOSAL), Sound Battery Company does not appear to have contributed contaminants to the Sitcum Waterway priority area. Furthermore, it is not believed that contaminants would have resulted from previous operations conducted on the property, which is currently owned by Marvin and Glee Dykman, the owners of Sound Battery. Based on information presented in this evaluation (see OVERVIEW and ENVIRONMENTAL STATUS), Tetra Tech recommends removing Sound Battery from the PRP list for Sitcum Waterway.

REFERENCES

CB/NT 8.7.3.5.2-0001, Attachments 0001A-H
Dykman, M. 25 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Sound Battery Company, Tacoma, WA. 3 pp. + attachments.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

Dykman, M. 18 and 20 July 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Sound Battery Company, Tacoma, WA.

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DRAFT PRP EVALUATION
GENERAL CHEMICAL CORPORATION

OVERVIEW

Since May 1986, General Chemical has owned property located at 1410 Thorne Road in Tacoma that has been contaminated with heavy metals, including arsenic, lead, and zinc. These elements are priority chemicals for Sitcum Waterway (D 060), a priority area. The current facility operator, General Chemical, and the previous owner, Allied-Signal Corporation, have disposed of aluminum sulfate (alum) muds onsite. This practice has contaminated the shallow groundwater beneath the facility with heavy metals including arsenic, lead, and zinc (D 060). Groundwater is believed to discharge into Sitcum Waterway (CB/NT 8.7.3.6.2-0001N).

FACILITY DESCRIPTION AND LOCATION

General Chemical operates an alum manufacturing plant and sulfuric acid distribution center at 1410 Thorne Road. The facility is located on a single 4.14-ac parcel owned by General Chemical, not One Newco, Inc. as indicated by previously obtained Pierce County property records (CB/NT 8.7.3.6.2-0001; p. 7). General Chemical has not entered into any lease or sublease since they acquired the facility in May 1986.

CHEMICAL USE AND DISPOSAL

Liquid alum is produced by reacting bauxite ore with sulfuric acid and water. Minor quantities of flocculants, polymers, and decolorizing agents (e.g., activated carbon) are used during the manufacturing process. The major byproduct of the process is alum muds, which consist of unreacted

bauxite that has been neutralized. Neutralized alum muds have been and are currently pumped into surface impoundments for disposal. There are one active and three inactive (i.e., covered with soil) impoundments at the facility. General Chemical does not dispose of any hazardous substances offsite (CB/NT 8.7.3.6.2-0001, p. 6).

Bulk raw materials (e.g., bauxite ore, sulfuric acid) and products (e.g., liquid alum) are stored in tanks and silos located onsite. Dry chemicals (e.g., activated carbon) used in relatively small quantities are received in bags and stored in a metal shed at the facility.

CONTACT MAILING ADDRESS

Facility Address:

General Chemical Corporation
1410 Thorne Road
Tacoma, WA 98401
(206) 383-1224
Attn: Don Rogers

104(e) Respondent's Address:

General Chemical Corporation
Environmental Matters
P.O. Box 389
Parsippany, NJ 07054-0389
(201) 515-0900
Attn: E.J. Shields, Director of Environmental Affairs

PRP Contact Address:

General Chemical Corporation
Nichols Road
Pittsburg, CA 94565
(415) 685-1450
Attn: Tom Boden

CORPORATE STATUS

In their 104(e) response (CB/NT 8.7.3.6.2-0001; pp. 1-2), General Chemical presented a detailed chronology of company ownership. In May 1986, 39 businesses were subdivided from Allied-Signal to form the Henley Group, Inc., a public company. Included in this transaction was One Newco, Inc., which changed its name in July 1987 to General Chemical Corporation. In June 1987, General Chemical and several other businesses were subdivided from the Henley Group to form the Henley Manufacturing Corporation, a public company. As of January 1989, the Henley Manufacturing Company was purchased by New Hampshire Oak, Inc., a private company. The 104(e) response provides a list of the current officers and directors of General Chemical.

SURFACE WATER DRAINAGE

Runoff from nonprocess areas (e.g., parking lot, lawn) flows into the storm drain servicing the facility (CB/NT 8.7.3.6.2-0001; p. 8), which flows into Sitcum Waterway via outfall SI-172 (TPCHD 1988). Except for the tank storage area, the process area is covered. The tank storage area is uncovered but surrounded by berms. Rainwater collected in the tank storage area, and the loading/unloading area, is discharged behind the plant where the alum mud surface impoundments are located. Precipitation falling on the impoundment area infiltrates into the soil, or collects near the west end of the facility during heavy or extended periods of rain (CB/NT 8.7.3.6.2-0001; p. 8).

ENVIRONMENTAL STATUS

Several environmental studies have been undertaken at this facility as a result of the alum mud disposal impoundments. Quarterly monitoring is undertaken by General Chemical to monitor heavy metal and sulfate concentrations in the groundwater. An Ecology potential hazardous waste site inspection was also conducted at the site (CB/NT 8.7.3.6.2-0001; p. 7). Copies of the groundwater monitoring results and site inspection report were not included in the 104(e) response, but are available at the facility (CB/NT 8.7.3.6.2-0001; p. 8).

INSURANCE INFORMATION

General Chemical does not maintain any liability insurance for damages resulting from the release of hazardous substances and/or wastes, pollutants, or contaminants (CB/NT 8.7.3.6.2-0001; p. 8).

RECOMMENDED PRPs

The 104(e) response indicates that the previous owner was Allied-Signal Corporation, formerly Allied Chemical (CB/NT 8.7.3.6.2-0001; p. 1). Allied conducted operations similar to those currently ongoing (e.g., alum production). The response also indicates that environmental investigations were undertaken by the previous owners (CB/NT 8.7.3.6.2-0001; p. 1).

SUMMARY

General Chemical is the current owner and operator of a facility that discharges heavy metals to unlined surface impoundments (CB/NT 8.7.3.6.2-0001). Groundwater has been contaminated with heavy metals, and is believed to discharge to Sitcum Waterway (CB/NT 8.7.3.6.2-0001N).

Based on past and present waste disposal practices, Tetra Tech recommends that General Chemical remain on the PRP list for Sitcum Waterway. Furthermore, Tetra Tech recommends that Allied-Signal be added to the PRP list for Sitcum Waterway, as a past source of contaminants to the area groundwater.

REFERENCES

CB/NT 8.7.3.6.2-0001, Attachments 0001A-N
Shields, E.J. 19 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Director of Environmental Matters, General Chemical Corporation, Parsippany, New Jersey. 9 pp. + attachments.

D 060
Hart-Crowser & Associates, Inc. 4 August 1983. Phase I report. Preliminary evaluation of groundwater contamination at Allied Chemical's Tacoma works. Hart-Crowser & Associates, Inc., Seattle, WA. 2 pp.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
HERTZ EQUIPMENT RENTAL CORPORATION

OVERVIEW

Hertz Equipment Rental Corporation operates a rental facility and performs minor servicing of rental equipment at 2216 East 11th Street in Tacoma. Since July 1975, Hertz has leased the property from Modern Properties, Inc. (CB/NT 8.7.3.9.2-0002; p. 1). Between 1975 and 1987, washwater from equipment and engine cleaning operations and runoff from the oil changing area entered the storm drain system and were discharged to Sitcum Waterway via SI-172. Washwater, and other wastes from this site may contain LPAH and HPAH, which are contaminants of concern in Sitcum Waterway (D 066; p. 7.119). In 1987, washwater from the cleaning operations was routed to the sanitary sewer system, when an oil/water separator was installed onsite.

FACILITY DESCRIPTION AND LOCATION

Hertz operates an equipment rental facility at 2216 East 11th Street in Tacoma. The facility office and shop occupy a 34,000-ft^2 parcel, and equipment and vehicles are parked on a second 13,000-ft^2 parcel (CB/NT 8.7.3.9.2-0002; p. 1). The large parcel has been leased from Modern Properties, Inc., since July 1975, and the smaller parcel has been leased since April 1976.

Hertz rents and leases construction and earthmoving equipment (e.g., dump trucks, backhoes, fork lifts). They also perform minor servicing of the equipment (e.g., oil changes) (CB/NT 8.7.3.9.2-0002; p. 2).

CHEMICAL USE AND DISPOSAL

Hertz operates and maintains three underground storage tanks: a 1,000-gal gasoline tank, a 5,000-gal diesel tank, and a 300-gal waste oil tank (CB/NT 8.7.3.9.2-0002; p. 2). The waste oil tank is emptied 2-3 times/yr by Resource Recovery, Inc. of Tacoma. Prior to Resource Recovery, waste oil was emptied by AAA Waste Oil Pickup of Puyallup (CB/NT 8.7.3.9.2-0002; p. 3).

In addition to underground storage tanks, Hertz maintains the following tanks and drums in the shop area: three 275-gal tanks for engine oil, hydraulic oil and tractor hydraulic oil; and three 55-gal tanks for grease, anti-freeze, and solvent (CB/NT 8.7.3.9.2-0002; p. 2). Products are purchased from various area suppliers, including Associated Petroleum in Tacoma. Drums purchased from Associated Petroleum are returned to that company. Material Safety and Data Sheets were provided for each substance used by Hertz (CB/NT 8.7.3.9.2-0002A).

In July 1986, a Tacoma Sewer Utility inspector noted that Hertz's equipment washwater (from a 1,457-ft^2 area) was entering two catch basins on the property. The catch basins were connected to the storm drain system and effluent was discharged via SI-172 to Sitcum Waterway. In March 1987, an oil/water separator was installed onsite to receive washwaters from equipment washing or maintenance operations (CB/NT 8.7.3.9.2-0002A). Discharge from the separator currently enters the sanitary sewer line.

CONTACT MAILING ADDRESS

Current Address:

Hertz Equipment Rental Corporation
2216 East 11th Street
Tacoma, WA 98421

104(e) Respondent's Address and PRP Contact Address:

The Hertz Corporation
225 Brae Boulevard
Park Ridge, NJ 07656-0713
Attn: Virginia E. Carlson

CORPORATE STATUS

The Hertz Equipment Rental Corporation is a subsidiary of the Hertz Corporation (CB/NT 8.7.3.9.2-0002; p. 1). The Hertz Corporation was incorporated in Delaware in 1967 and is a wholly-owned subsidiary of Park Ridge Corporation (CB/NT 8.7.3.9.2-0002F; Part I, p. 1). Directors and executive officers of Hertz were provided (CB/NT 8.7.3.9.2-0002F; Part III, pp. 24-25).

SURFACE WATER DRAINAGE

Surface water runoff from Hertz enters Sitcum Waterway via SI-172 (D 067; pp. 7-2, 7-10). An oil/water separator receives washwater and some runoff (see CHEMICAL USE AND DISPOSAL).

ENVIRONMENTAL STATUS

Hertz is unaware of any spills, leaks, or pipeline breaks that may have occurred at the facility (CB/NT 8.7.3.9.2-0002; p. 3). Environmental investigations have not been conducted at the facility.

INSURANCE INFORMATION

Hertz provided a list of all liability insurance carries that provide insurance coverage over and above Hertz' self-insured levels for the Tacoma facility (CB/NT 8.7.3.9.2-0002E; pp. 1-4).

RECOMMENDED PRPS

Hertz did not provide information on other PRPs to U.S. EPA.

SUMMARY

Past discharges of vehicle maintenance wastes (e.g., oils, solvents), and equipment washwater could have contributed to sediment contamination in Sitcum Waterway. However, Hertz discharged potentially hazardous materials to Sitcum Waterway for only 12 yrs, and only generated limited quantities of wastes. Tetra Tech recommends leaving Hertz on the PRP list pending further evaluation.

REFERENCES

CB/NT 8.7.3.9.2-0002, Attachments 0002A-F (0002B and 0002D missing)
Carlson, V. 16 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). The Hertz Corporation, Park Ridge, NJ. 4 pp. + attachments.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

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DRAFT PRP EVALUATION
GLEIN INVESTMENTS

The Glein Investments partnership is the parent company of Norcore Plastics, Inc., and of Barthel Chemical, a division of Norcore Plastics. Glein Investments purchased Norcore Plastics in August 1979 (CB/NT 8.7.3.16-.2-0002). (b) (6) are president and vice-president of Norcore Plastics, and own Glein Investments (which owns Norcore Plastics). Because Norcore Plastic's 104(e) responses incorporate by reference those of Glein Investments, Tetra Tech recommends that Glein Investments be deleted from the PRP list.

REFERENCES

CB/NT 8.7.3.16.2-0002
Glein, D. 26 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Vice President, Norcore Plastics, Inc., Tacoma, WA. 2pp.

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DRAFT PRP EVALUATION
(b) (6) McKENZIE FUEL INC.

OVERVIEW

McKenzie Fuel Inc. and (later) (b) (6) have owned the properties at 2432 East 11th in Tacoma since 1940. McKenzie Fuel operated a trucking company at this location between 1940 and 1984 (CB/NT 8.7.3.12.2-0001). The company ceased to exist in December 1984. Although there is no evidence indicating that a release of potentially hazardous materials has ever occurred, activities conducted by McKenzie Fuel during this period may have released hazardous materials (e.g., solvents, waste oils) into Sitcum Waterway. North American Environmental, Inc. currently leases this property from (b) (6) and does not appear to have had an impact on Sitcum Waterway (CB/NT 8.7.3.12.2-0001B).

FACILITY DESCRIPTION AND LOCATION

The facility consists of two separate parcels, totalling 0.86 ac, that were previously owned by McKenzie Fuel and are now owned by (b) (6) (CB/NT 8.7.3.12.2-0001). The current tenant, North American Environmental Inc., has leased the property since 17 May 1985 (CB/NT 8.7.3.12.2-0001A). North American Environmental conducts general chemical storage and transportation activities (CB/NT 8.7.3.12.2-0001A), including processing of electrical equipment and PCBs (D 120). (b) (6) (and (b) (6) (b) (6) owned McKenzie Fuel. (b) (6) is not associated with the ownership or operation of Northwest Environmental.

Between 1940 and December 1984, the property was owned and operated by McKenzie Fuel. The facility consisted of a truck parking area, truck repair

shop, and offices (CB/NT 8.7.3.12.2-0001). Three underground fuel tanks were used to store diesel and unleaded gasoline. The tanks were tested in 1983 (no leaks reported) and emptied in December 1984, but not removed (CB/NT 8.7.3.12.2-0001). Waste oil generated from routine truck maintenance was stored in a 1,000-gal above-ground tank and periodically picked up by United Drain Oil Service of Tacoma for recycling (CB/NT 8.7.3.12.2-0001).

CHEMICAL USE AND DISPOSAL

Other than fuels and oils, it is not known what other chemicals, if any, were used by McKenzie Fuel during the 45 yr the company was in operation at this site. It is not uncommon for truck maintenance shops to use solvents for general degreasing and cleaning. Also, waste oils can contain PAH compounds, while waste hydraulic fluids can contain PCBs and PAH compounds, all of which are priority chemicals for Sitcum Waterway.

North American Environmental handles hazardous materials and waste (including PCBs) as part of their operations. This facility has been in operation at this location since May 1985. No violations were found during a March 1989 inspection conducted by U.S. EPA to determine compliance with TSCA regulations (CB/NT 8.7.3.12.2-0001B).

CONTACT MAILING ADDRESS

Facility Address:

North American Environmental Inc.
2432 East 11th
Tacoma, WA

PRP Contact Address:

(b) (6)
(b) (6)
Yakima, WA

CORPORATE STATUS

McKenzie Fuel was incorporated in Washington in 1962 (CB/NT 8.7.3.12.2-0001). The form of the company ownership prior to that time is unknown. In December 1984, McKenzie Fuel sold all their assets and the corporation was terminated. The corporate status of North American Environmental was not determined for this evaluation.

SURFACE WATER DRAINAGE

Surface water drainage from the two parcels collects in storm drains on either East 11th or Thorne Road (CB/NT 8.7.3.12.2-0001). Storm drains in this area of the tideflats discharge to Sitcum Waterway via outfall SI-172 (TPCHD 1988).

ENVIRONMENTAL STATUS

There have been no reported releases of hazardous materials at this location either while McKenzie Fuel or North American Environmental operated the site. No environmental studies were described in McKenzie's 104(e) response (CB/NT 8.7.3.12.2-0001).

INSURANCE INFORMATION

No information regarding insurance coverage was provided in the 104(e) response.

RECOMMENDED PRPs

McKenzie Fuel and North American Environmental are apparently the only companies that have either owned or operated at this location (CB/NT

8.7.3.12.2-0001). There is no evidence that North American Environmental has contributed to sediment contamination in Sitcum Waterway.

SUMMARY

McKenzie Fuel Inc. and (b) (6) have owned the properties at 2432 East 11th in Tacoma since 1940. McKenzie Fuel operated a trucking company at this location between 1940 and 1984 (CB/NT 8.7.3.12.2-0001). Although activities conducted during this period may have released hazardous materials (e.g., solvents, waste oils) into Sitcum Waterway, there is no evidence indicating a release ever occurred. Tetra Tech recommends leaving McKenzie Fuel and (b) (6) on the PRP list for Sitcum Waterway pending future investigations.

REFERENCES

CB/NT 8.7.3.12.2-0001, Attachments 0001A-D
Hicks, R.C. 18 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). R.C. Hicks, Yakima, WA.

D 120
Coleman, M. 29 September 1988. Personal Communication (letter to Ms. Deborah Yamamoto, U.S. Environmental Protection Agency Region X, Seattle, WA). North American Environmental Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
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DRAFT PRP EVALUATION
NORCORE PLASTICS, INC.

OVERVIEW

Norcore Plastics, established in 1973, manufactures tanks, piping, ventilation equipment, and custom-made thermoplastics, fiberglass, and fiber-reinforced plastics (FRP) products, in conjunction with Barthel Chemical Co. Norcore Plastics also produces linings and coatings of elastomers, phenolics, fiberglass, and epoxies (CB/NT 8.7.3.16.2-0002I). Norcore Plastics discharges to the head of Sitcum Waterway, a priority area. Analyses indicate heavy metals, including priority chemicals, are contained in discharges (D074).

FACILITY DESCRIPTION AND LOCATION

Norcore Plastics operates a thermoplastics and FRP manufacturing plant at 1144 Thorne Road, southeast of Sitcum Waterway. Norcore Plastics, established by E. Rowe, D. Fransen, and G. Bethel in 1973, was purchased by Glein Investments on 1 August 1979. In 1983, Norcore Plastics purchased Barthel Chemical, a manufacturer of synthetic rubber and plastic. Barthel Chemical operates as a division of Norcore Plastics. Both Norcore Plastics, and Barthel Chemical operate at the 1144 Thorne Road facility, which is owned by Glein Investments (CB/NT 8.7.3.16.2-0002).

CHEMICAL USE AND DISPOSAL

Norcore Plastics operations include those of Barthel Chemical Co. (CB/NT 8.7.3.16.2-0001). Their current waste handling practices are discussed below. Methyl ethyl ketone peroxide (MEKP) is a catalyst used to

cure polyester and vinylester resins used in fiberglass fabrication. MEKP is completely absorbed in the final product and no waste MEKP is generated. Ethylene glycol is used as a heat transfer agent during thermoforming of plastic pipe fittings. The liquid vaporizes and is exhausted outside the building. Carbon disulfide is used as a rubber curing agent; no waste carbon disulfide is generated. Acetone is used for cleaning hands and tools in fiberglass production. Spent acetone is recycled in an onsite still. Still bottoms are dried and ground for use as filler putty and in polymer concrete (CB/NT 8.7.3.16.2-0002, p. 2). Filler putty is used at Norcore Plastics to fill voids in manufactured parts (CB/NT 8.7.3.16.2-0002E, p. 2).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:

Norcore Plastics, Inc./Glein Investments/Barthel Chemical
1144 Thorne Road
Tacoma, WA 98421
Attn: Dick Glein, Vice-President

CORPORATE STATUS

Norcore Plastics, Inc. was established as a corporation in 1973 and was purchased by the Glein Investments partnership 1 August 1979. Barthel Chemical was purchased by Norcore Plastics on 28 September 1983 and is now a division of Norcore Plastics (CB/NT 8.7.3.16.2-0002, p. 1). Norcore Plastics has responded for Glein Investments and Barthel Chemical.

SURFACE WATER DRAINAGE

Surface water from the Norcore Plastics property drains to Sitcum Waterway through local storm drains, most likely to outfall SI-172 (TPCHD 1988).

ENVIRONMENTAL STATUS

Norcore Plastics was served a compliance order by Ecology in April 1988 following an inspection by Ecology personnel. The inspectors discovered spilled acetone and waste sandblasting grit, suspected of containing heavy metals, which was not isolated from facility storm drains (D 073). The compliance order required the company to stop grinding acetone still bottoms (for use in filler putty) until they present Ecology with a recycling plan and to improve the spent acetone accumulation and distillation areas (e.g., line and berm with concrete, cover). Other conditions of this compliance order concerned container management and labeling at Norcore Plastics (CB/NT 8.7.3.16.2-0002I). A plan for the management of ground acetone still bottoms was completed 20 May 1988 (CB/NT 8.7.3.16.2-0002E). An inspection of the facility by the Tacoma Sewer Utility revealed that Norcore Plastics has discharged process wastewaters to the storm sewer. These process wastewaters originate from Norcore's vulcanizing operation and are suspected of containing heavy metals and phenols (D 074). Samples of storm drain sediments and sandblasting grit collected by Tacoma Sewer Utility were analyzed; constituents of concern (heavy metals, phenols) were within acceptable concentration limits (D 074).

INSURANCE INFORMATION

Norcore Plastics currently carries a general liability policy with Admiral Insurance Company (No. A87EG11946). Any previous policy information can be requested from Norcore Plastics' broker: Raleigh, Mann, and Powell, Inc. (CB/NT 8.7.3.16.2-0001).

RECOMMENDED PRPs

Principle ownership and management are the same for Norcore Plastics, Barthel Chemical, and Glein Investments. All have their offices at the same address, and are listed PRPs for Sitcum Waterway (CB/NT 8.7.3.16.2-0002). Norcore Plastics did not provide information on any other PRPs.

SUMMARY

Although there is no evidence that they have contributed to sediment contamination in Sitcum Waterway, Norcore Plastics has had poor waste handling practices in the past, and has discharged priority chemicals to Sitcum Waterway. Therefore, Tetra Tech recommends that Norcore Plastics remain on the PRP list, pending further evaluation.

REFERENCES

CB/NT 8.7.3.16.2-0001, -0002, Attachments A-K
Glein, D. 26 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Vice President, Norcore Plastics, Inc., Tacoma, WA. 2 pp. + attachments.

D 073
Morrison, S., and P. Stasch. 8 December 1987. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Norcore Plastics). Washington Department of Ecology, Olympia, WA. 2 pp.

D 074
Price, M. 28 July 1986. Personal Communication (letter to Mr. Gordon Ness, Norcore Plastics, Tacoma, WA). City of Tacoma, Sewer Utility Division, Tacoma, WA. 2 pp.

Tacoma-Pierce County Health Department (TPCHD). 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
NULIFE FERTILIZERS

OVERVIEW

Nulife Fertilizers is the current owner and operator of two facilities located in the CB/NT Superfund site. The two primary operations conducted by Nulife are distribution of prepackaged fertilizers and herbicides and the bulk mixing of dry fertilizers. (It was a report that dry fertilizer had been spilled to site soils at one facility that prompted Nulife's inclusion on the original PRP list (D 075). Although surface water at both facilities drains to Sitcum Waterway, there is no indication that Nulife has contributed to sediment contamination in any of the priority areas, including Sitcum Waterway.

FACILITY DESCRIPTION AND LOCATION

Nulife Fertilizers currently owns property at two locations in the tideflats area. The properties are described by Nulife (CB/NT 8.7.3.17.2-0001A) as follows:

- Manufacturing plant location
  1931 Lincoln Avenue
  Tacoma, WA 98401
  2.71 ac with 12,000 ft^2 of building space

- Warehouse and office location
  1424 Thorne Road
  Tacoma, WA 98401
  4.45 ac with 26,400 ft^2 of building space

The above information is in general agreement with current property records (REIL 1988).

The manufacturing plant was constructed and began operations in February 1954. Nulife leased the manufacturing property from Carstens Packing Company from 1954 until 14 November 1979, when Nulife purchased the property (CB/NT 8.7.3.17.2-0001A). The primary activity conducted at this location is bulk mixing of dry fertilizer consisting of ferrous sulfate.

The property and improvements at the warehouse/office location has been owned and operated by Nulife since January 1964, when it was purchased from L & L Investment Company (CB/NT 8.7.3.17.2-0001A). The building was constructed in 1958 by Steel Container Corporation, who manufactured drums at the facility. This location is primarily a warehouse and distribution center for prepackaged fertilizers, insecticides, and herbicides.

CHEMICAL USE AND DISPOSAL

The only unpackaged chemicals handled by Nulife are ferrous sulfate, dolomite lye, ammonium phosphate, and potash used in the manufacture of fertilizer (Pieterman, J., 26 July 1989, personal communication). These materials are mixed together and bagged in the plant. All other fertilizers and herbicides are delivered to the site prepackaged and are distributed to customers in their original packages. Herbicides and insecticides distributed by Nulife include Guthion, Endosulfan, Imidan, and Norosac 4-G. Fertilizers include ammonium nitrate and ferrous sulfate (CB/NT 8.7.3.17.2-0001C).

Nulife does not generate any hazardous wastes during operations at either facility (CB/NT 8.7.3.17.2-0001A, B, and C).

CONTACT MAILING ADDRESS

Facility Addresses:

Nulife Fertilizers
1931 Lincoln Avenue
Tacoma, WA 98401
(Manufacturing plant)

1424 Thorne Road
Tacoma, WA 98401
(Warehouse and office)

PRP Contact Address:

Nulife Fertilizers
P.O. Box 883
Tacoma, Wa 98401
(206) 272-5171
Attn: John Pieterman, General Manager

CORPORATE STATUS

Prior to 1954, Nulife was part of Carstens Packing Company. Nulife has been a division of Hygrade Food Products Corporation, a New York corporation, since 1954, when Hygrade bought Carstens Packing (Pieterman, J., 26 July 1989, personal communication). Hygrade was a public company until 9 March 1977 when it was acquired by Hanson PLC (CB/NT 8.7.3.17.2-0001A). On 10 March 1989, Hygrade was sold to Sara Lee Corporation.

SURFACE WATER DRAINAGE

Surface water runoff from the undeveloped areas of the Thorne Road facility (e.g., parking lot) enters a storm drain (CB/NT 8.7.3.17.2-0001A,

p.2) that enters Sitcum Waterway, a priority area via outfall SI-172 (TPCHD 1988).

Surface water runoff from the Lincoln Street facility either percolates into the ground or enters an open drainage ditch that discharges to Sitcum Waterway via outfall SI-172 (TPCHD 1988).

ENVIRONMENTAL STATUS

On 28 July 1986, Nulife was requested by the City Of Tacoma Sewer Utility Division to remove waste fertilizer that had been dumped behind the Thorne Road manufacturing plant. The request was initiated to prevent the material from entering the storm drains (D 075). Available information does not indicate that this waste fertilizer would contribute to concentrations of priority chemicals in Sitcum Waterway (e.g., arsenic, copper, lead).

The manufacturing facility was inspected by Ecology on 28 August 1987 to determine whether the facility was a hazardous waste generator and, if so, whether Nulife was in compliance. The inspector determined that Nulife was not a RCRA generator and commented on the good housekeeping practices employed by Nulife (CB/NT 8.7.3.17.2-0001C).

INSURANCE INFORMATION

In their 104(e) response, Nulife provided a list of all insurance policies in effect between 1962 and 1985 (CB/NT 8.7.3.17.2-0001A). It was not stated and is not known whether any or all of these policies would cover damages caused by the release of hazardous materials.

RECOMMENDED PRPs

In their 104(e) response, Nulife indicated that the previous owners of the two properties were Carstens Packing Company and Steel Container Corpora-

tion. Carstens was purchased by Hygrade in 1954 and the Steel Container Corporation has not been identified as a potential source of contaminants to Sitcum Waterway.

SUMMARY

Because Nulife does not process or package potentially hazardous materials, and the chemical fertilizers processed by Nulife have not been identified as priority chemicals for Sitcum Waterway, Tetra Tech recommends that Nulife Fertilizers be deleted from the PRP list.

REFERENCES

CB/NT 8.7.3.17.2-0001; 0001A-G (Attachments)
Pieterman, J. 23 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). General Manager, Nulife Fertilizers, Tacoma, WA.

D 075
Price, M. 28 July 1986. Personal Communication (letter to Mr. John Pieterman, Nulife Fertilizers, Tacoma, WA). City of Tacoma, Sewer Utility Division, Tacoma, WA.

Pieterman, J. 26 July 1989. Personal Communication (phone by Mr. Brian O'Neal, Tetra Tech, Inc., Bellevue, WA). General Manager, Nulife Fertilizers, Tacoma, WA.

REIL. 1988. Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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DRAFT PRP EVALUATION
OLYMPIC CHEMICAL CORPORATION

OVERVIEW

Mr. Al G. Ash owns and operates the Olympic Chemical Corporation, a chemical production and oil storage facility located adjacent to City Waterway. Olympic Chemical produces synthetic vanilla and food grade sodium bisulfite solution at the facility, and imports sulfur dioxide from Canada (D 044). Since beginning operations at the facility in 1976, Mr. Ash has leased portions of the facility to a number of tenants, including chemical and oil companies. These past lease holders may or may not be of concern depending upon their past storage and materials handling practices (of which Olympic Chemical provided no history or information) (CB/NT 8.7.7.15.2-0001 p 2). According to a 1980 Ecology inspection report, the condition of the tanks and dikes may have permitted past discharges to City Waterway (D 044).

FACILITY DESCRIPTION AND LOCATION

Olympic Chemical Corporation is one of the D Street petroleum facilities, located on the east side of City Waterway, north of East 11th Street. Olympic Chemical provided a legal description of the property and confirmed that the property list provided in the EPA general notice letter is correct (CB/NT 8.7.7.15.2-0001). According to Mr. Ash, no portion of his property includes submerged lands to a depth of 60' below mean low low water (CB/NT 8.7.7.15.2-0001 p 2). Mr. Ash did not state how many aboveground storage tanks exist on the Olympic Chemical property. An aerial photograph taken in 1988 shows approximately 10-11 aboveground storage tanks (TPCHD). There are no underground storage tanks at the facility (CB/NT 8.7.7.15.2.0001).

In 1976, Olympic Chemical leased the facility from Pacific Northern Oil, which was leasing the land from Burlington Northern Railroad. Pacific Northern Oil also leased parcels of land to ChemPro, Boeing, and Metro Transit. Pacific Northwest Oil's involvement in the property ended in March 1982, when Olympic Chemical began leasing directly from Burlington Northern Railroad and subleasing to other companies. In May 1983, Olympic Chemical Corporation purchased the land from Burlington Northern Railroad (CB/NT 8.7.7.15.2-0001 p 1). The timeline below lists the owner, lessees, and subleases from 1976 to present.

	Owner	Lessee	Subleases
1976	Burlington Northern	Pacific Northern Oil	Olympic Chem ChemPro Boeing Metro Transit
1982 (March)	Burlington Northern	Olympic Chemical Corp	ChemPro Boeing Metro Transit
1983	Olympic Chemical Corp	Sound Energy Puget Sound Oil Crown Petroleum Crosby & Overton Marine Industries NW Ethanol Marketing Conan Woodworth	

CHEMICAL USE AND DISPOSAL

Olympic Chemical manufactures sodium sulfite and sodium bisulfite solution (food grade and technical grade). Potentially hazardous substances used in the operation include caustic soda (sodium hydroxide), sulfur dioxide, sodium bisulfite, and sodium sulfite (CB/NT 8.7.7.15.2-0001 p 2).

Sodium bisulfite is produced by reacting sodium hydroxide (50% solution received by rail or truck) and sulfur dioxide (received by rail car) (CB/NT

8.7.7.15.2-0001 p 2). Sulfer dioxide is stored in a rail car and delivered to the process area by pipe. The sodium hydroxide solution is delivered in either rail cars or tanker trucks and transferred to 20,000 gal storage tanks. The sodium hydroxide is delivered to the process area by pipe. Additional water is supplied for processing and the finished product is stored in fiberglass tanks. The product is then loaded into tanker trucks (either common carrier or company owned vehicle) for delivery (CB/NT 8.7.7.15.2-001). Olympic Chemical stated that no wastes result from manufacturing sodium bisulfite. The above described process has been in operation since 1977, with the following average annual quantities of materials: 0-2 rail cars of sodium dioxide, 0-25 tons of caustic soda, 10,000-50,000 gal of finished product (CB/NT 7.7.15.2-0001).

Olympic Chemical regularly monitors inventory by using float gauges to measure the sodium hydroxide and electronic probes to measure the sodium bisulfate. All raw materials are converted to sodium bisulfate which is then sold to Olympic Chemical's industrial customers (not specified) (CB/NT 8.7.7.15.2-0001 p 2). Olympic Chemical indicated that tank cleaning is handled by EPA authorized contractors (CB/NT 8.7.7.15.2-0001 p 2). Mr. Ash did not describe the process for manufacturing sodium sulfite or vanilla.

CONTACT MAILING ADDRESS

Facility Address:
Olympic Chemical Corporation
702 A Street
Tacoma, WA 98402
Attn: A.G. Ash, President and Director
Dick Orth, Plant Operator

PRP Contact Address:

Olympic Chemical Corporation
1002 E "D" Street
Tacoma, WA 98421
Attn: A.G. Ash, President and Director
Don Evans, Vice-President and Director

CORPORATE STATUS

Olympic Chemical Corporation was created in 1976, and has no subsidiaries or other affiliations (CB/NT 8.7.7.15.2-0001). The corporation was formed in 1976, and began operations in April 1977.

SURFACE WATER DRAINAGE

Wastewater discharges from this plant consist of 100 gal per day of noncontact cooling water and stormwater runoff. Surface water drainage from the truck loading area drains to the south property line into an oil/water separation system, then into City Waterway via storm drain CI-847 (TPCHD 1988). Surface water from other paved areas goes into a storm drain discharging to City Waterway (CI-847).

ENVIRONMENTAL STATUS

Olympic Chemical Corporation states that in mid-1977, shortly after start-up of the Olympic Chemical facility, there was a leak of sodium dioxide in the process area. The leak was quickly isolated and closed off. The amount of sodium dioxide that escaped into the atmosphere is unknown, although Olympic Chemical estimates the range of escaped product was 10-15 lbs. Faulty equipment was redesigned to eliminate any possibility of reoccurrence (CB/NT 8.7.7.15.2-0001 p 2).

In 1979, a sodium bisulfate tank overflowed, but all material was contained within a concrete dike, and the spilled material was pumped back into storage. The storage area was hosed down with fresh water, and the washwater was recycled. Less than 1,000 gal of sodium bisulfite solution were spilled (CB/NT 8.7.7.15.2-0001).

Ecology has conducted several inspections of this property (D 042). In 1980, an inspector described the Olympic Chemical facility to be in "satisfactory" condition, but made suggestions regarding spill prevention measures (D 042). In subsequent inspections, Ecology recommended that Olympic Chemical upgrade contaminant systems to prevent a potential groundwater problem, and to obtain a SPCC permit (D 044). After 1982, many of the bulk tanks were not in use, and were described by Ecology as being in "very poor" condition (D 044). Ecology ordered that most of the tanks be cleaned and painted, and that the large oil/water separator draining to City Waterway be upgraded (D 044, TPCHD 1988).

Ecology's January 1983 inspection report noted that one portion of the facility has a concrete floor where stormwater (released manually) flows over land to the north boundary and then to City Waterway (TPCHD 1988). The remaining portion of the property is the tank farm, which does not have a sealed floor or storm water collection system (D 044). Crown Petroleum leased the tank farm at the time of the 1983 Ecology inspection. The inspection also noted that the concrete loading pad has one curtain drain at the south end that flows to the oil/water separator and then to City Waterway (D 044). The wood pier on the property had recently been renovated, although the "headers" on the dock did not have spill containment (D 044).

A September 1988 Ecology inspection reported that the petroleum bulk facility was currently not in use (D 043). The previous tenant, Crown Petroleum, vacated in 1983 (D 043). Olympic Chemical now uses two tanks in the dike area for sodium hydroxide storage. All petroleum tanks had been emptied, and four of the tanks had been repaired. Tanks are occasionally

leased for short-term storage of petroleum products. The Ecology inspection noted that the foundation of the dike area had not been sealed, but a hand-operated drain valve and discharge line had been installed in the diked area to allow drainage to the oil/water separator (CB/NT 8.7.7.15.2-0001 p 2). A small number of barrels containing lubricating oil and cleaning solvents were stored in a maintenance shed near the diked area (TPCHD 1988).

INSURANCE INFORMATION

According to the 104(e) response, Olympic Chemical does not carry liability insurance for environmental damages (CB/NT 8.7.7.15.2-0001).

RECOMMENDED PRPs

Mr. Ash provided a list of the lessors and occupants of the facility, (see Facility Description and Location). Mr. Ash did not recommend that specific businesses or individuals be named as PRPs.

SUMMARY

Olympic Chemical produces sodium bisulfate, sodium sulfite, and synthetic vanilla (D 043). The company imports sulfur dioxide from Canada (D 043). A 1980 Ecology inspection revealed a leaking tank farm dike. The spilled material was discharging to City Waterway (D 042). The site has had numerous tenants and a long history of use as a petroleum storage facility. The previous conditions of the tank farm and dike may have permitted past discharges to City Waterway.

Although Olympic Chemical's past storage practices have resulted in discharge to City Waterway (D 042), Ecology inspectors note that Olympic Chemical has incorporated their suggestions by upgrading dike and containment systems, requesting proper permits for discharges (D 043), and fixing leaking tanks.

Tetra Tech recommends that the Olympic Chemical facility remain on the PRP list pending current facility inspection, soil and surface water sampling, and under- and aboveground tank inspections.

REFERENCES

CB/NT 8.7.7.15.2-0001, Attachments 0001A-E
Ash, A.G. 9 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). A.G. Ash, Olympic Chemical Corporation, Tacoma, WA. 3 pp + attachments.

D 042
Oberlander, J. 6 May 1980. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Olympic Chemical). Washington Department of Ecology, Olympia, WA. 1 p.

D 043
Washington Department of Ecology. 1985. Fact Sheet regarding Olympic Chemical Corporation dated 4/8/85. Washington Department of Ecology, Olympia, WA 2 pp.

D 044
Oberlander, J. 27 August 1982. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Olympic Chemical). Washington Department of Ecology, Olympia, WA. 1 page.

REIL, 1988.
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA

Tacoma-Pierce County Health Department 1988
Commencement Bay nearshore/tideflats drainage map. TPCHD. Tacoma, WA

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DRAFT PRP EVALUATION
ONE NEWCO, INC.

One Newco, Inc. was the name temporarily assigned to the business operations and associated properties that eventually became General Chemical Corporation during the transfer from Allied-Signal Corp. to the Henley Group (the parent corporation of General Chemical) (CB/NT 8.7.3.6.2-0001). One Newco existed for approximately 3 mo between May and July 1986. The period during which One Newco owned the General Chemical operation is described in the Draft PRP Evaluation of General Chemical. Because One Newco no longer exists separately from General Chemical, Tetra Tech recommends that One Newco, Inc. be deleted from the PRP list.

REFERENCES

CB/NT 8.7.3.6.2-0001
Shields, E.J. 19 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Director of Environmental Matters, General Chemical Corporation, Parsippany, New Jersey. 9 pp.

ENFORCEMENT CONFIDENTIAL
SITCUM WATERWAY

29 September 1989

DRAFT PRP EVALUATION
OREGON-WASHINGTON RAILROAD AND NAVIGATION

The Oregon-Washington Railroad & Navigation (OWR&N) was formerly a wholly-owned subsidiary of Union Pacific Railroad Company (CB/NT 8.7.5.9.2-0001). The OWR&N was merged into Union Pacific Railroad Company on 30 December 1987, and no longer exists as a corporate entity. Union Pacific's 104(e) responses incorporate by reference all former OWR&N operations. Therefore, comments concerning OWR&N operations and properties are included in the draft PRP evaluation of Union Pacific Railroad. Tetra Tech recommends deleting Oregon-Washington Railroad and Navigation from the PRP list.

REFERENCES

CB/NT 8.7.5.9.2-0001
Roberts, N. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Union Pacific Railroad Company, Law Department, Omaha, NE.

ENFORCEMENT CONFIDENTIAL
SITCUM WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PABCO ROOFING PRODUCTS

OVERVIEW

Since September 1984, PABCO Roofing Products has manufactured roofing materials at 1718 Thorne Road in Tacoma. The property is owned by Pacific Coast Building Products, Inc., and PABCO is a division of that corporation (CB/NT 8.7.3.19.2-0001A; p. 1). Pacific Coast Building Products currently owns and occupies land once operated by Certain-Teed Corporation, which may have discharged contaminants to a storm drain that discharges to the Sitcum Waterway priority area. PABCO is not believed to be a source of contaminants itself. Although PABCO uses and generates potentially hazardous materials, it is not believed that these contaminants could have been discharged to Sitcum Waterway. Since PABCO began operating this facility, they have clarified and recycled all contact cooling water, discharged all boiler water to the sanitary system, and discharged only noncontact cooling water to Sitcum Waterway. PABCO's NPDES permit for the noncontact cooling water discharge does not include limitations for metals, and the permit limitation for oil and grease has never been violated (Underwood, W., 31 July 1989, personal communication). Also, the company has only operated the facility for a short time period (since September 1984), disposal records exist for the hazardous wastes generated at the facility (CB/NT 8.7.3.19.2-0001A; p. 4), and PCBs were not detected in the facilities wastewater sludge. In 1984, an Ecology inspector noted that PABCO conducted a clean operation. Based on this information, it appears that the only possible contaminants at PABCO's facility that may have reached Sitcum Waterway via the storm drain system would have been from accidental spills of solvents or oil. Evidence of spills reaching the waterway has not been found.

Certain-Teed, which is a separate company from PABCO, should be sent a general notice letter concerning their operation of the roofing plant between about 1955 (D 145) and 1984. Certain-Teed may have discharged the following contaminants to Sitcum Waterway: solvents, which may have been used "liberally" onsite (Underwood, W., 31 July 1989, personal communication) and may have percolated into the groundwater or spilled into the storm drain system; organic compounds or metals that may have been present in contact cooling water that was discharged to the storm drain system between about 1955 and 1977 or 1978; water treatment chemicals that may have been present in boiler water that was discharged to the storm drain system between about 1955 and about 1980 (Underwood, W., 31 July 1989, personal communication); and granules of ASARCO slag or other grit and waste materials that may have been inadvertently washed into the storm drain system.

FACILITY DESCRIPTION AND LOCATION

PABCO has manufactured asphalt and fiberglass roofing products at 1718 Thorne Road in Tacoma since September 1984 (CB/NT 8.7.3.19.2-0001A; p. 1). The property is owned by Pacific Coast Building Products, Inc., and PABCO is a division of that corporation. A map of the facility was provided in PABCO's 104(e) response (CB/NT 8.7.3.19.2-0001B; CB/NT 8.7.3.19.2-0001L; Plate 1). PABCO provided a listing of present and previous employees who worked at the roofing facility (CB/NT 8.7.3.19.2-0001P). Neither PABCO nor Pacific Coast Building Products has owned or leased any other properties in Tacoma.

Prior to PABCO's operations, this property was owned and occupied by Certain-Teed Corporation. Certain-Teed is a completely different company, and bears no relation to PABCO. Mr. W. Underwood, who has been employed by both PABCO and Certain-Teed, indicated that both companies conducted similar operations (Underwood, W., 31 July 1989, personal communication) (also see CHEMICAL USE AND DISPOSAL). Because PABCO did not purchase the facility

until 1984, most of the activities at the facility that may have contributed contaminants to the priority area would have been conducted by Certain-Teed.

The process that is used to manufacture organic and fiberglass asphalt shingles at the facility is described below (CB/NT 8.7.3.19.2-0001A; p. 3). To produce organic asphalt shingles, organic felts are saturated with hot asphalt and then coated with limestone filler that has been mixed with asphalt. To produce fiberglass asphalt shingles, fiberglass mats are coated with limestone filler that has been mixed with asphalt. These mats or webs are run on a belt through rollers to form the asphalt shingles. Metal rollers surround the belt, and tubes of noncontact cooling water in the rollers cool the heated webs. Noncontact cooling water is discharged to the storm drain system, and the NPDES permit requirements include limitations for oil and grease, temperature, and flow. According to Mr. W. Underwood (31 July 1989, personal communication), PABCO has not violated any NPDES permit limitations.

Some of the organic and fiberglass webs are covered with roofing granules (e.g., ground slag or gravel) and a back surfacer (e.g., talc, sand). The webs are then cooled with water, cut, and packaged. The water that contacts the asphalt shingles is run through a clarifier and is reused via a recirculating system (CB/NT 8.7.3.19.2-0001A; p. 4). Prior to 1977 or 1978, when the facility was operated by Certain-Teed, the contact cooling water was discharged directly to the storm drain system (Underwood, W., 31 July 1989, personal communication). Chemical analyses were never conducted on the contact cooling water, and Certain-Teed's main concern was turbidity measurements of the water. Based on results of leachate analyses of the roofing granules, the contact cooling water, which may have come in contact with roofing granules on the asphalt shingles, would not have been expected to contain heavy metals (Underwood, W., 31 July 1989, personal communication).

The manufacturing process includes systems that heat and mix asphalt and limestone; collect and coalesce asphalt fumes; recycle contact cooling water; and collect limestone, granule, and talc dust. Collected limestone and talc dust are recycled, and the granule dust is disposed of with the facility's scrap material (Underwood, W., 31 July 1989, personal communication).

The manufacturing process also includes operation of a boiler system. Boiler water is currently discharged to the sanitary sewer system (Underwood, W., 31 July 1989, personal communication). During Certain-Teed's ownership, the boiler water was discharged directly to the storm drain system from about 1955 until about 1980. The boiler water, which may have used a NALCO-type water treatment process to protect the boiler tubes from scaling, may have contributed contaminants to Sitcum Waterway (Underwood, W., 31 July 1989, personal communication). Certain NALCO products (e.g., algicides) contain metals.

In July 1972, the previous operator of this facility (Certain-Teed) applied for an NPDES permit to discharge cooling water to Commencement Bay. Available information does not indicate whether the cooling water was contact water (which may have been used to cool the asphalt shingles prior to cutting) or noncontact cooling water (which may have been used to cool the metal rollers that press the shingles). The cooling water contained 0.02 mg/L cyanide, 0.004 mg/L arsenic, 0 mg/L cadmium, and 0.223 mg/L chromium. These concentrations are not considered elevated. Mr. W. Underwood (31 July 1989, personal communication) mentioned that during their years of operation, Certain-Teed may have violated their flow permit limitations (i.e, discharged excess volumes of effluent).

In 1987, an onsite system was installed to store, dry, and screen granules. Originally this system was used to process copper slag granules (i.e., Tru-grit) from Anyox, Canada. PABCO currently purchases most of their granules from 3M (Underwood, W., 31 July 1989, personal communication),

and the granule system was modified in February 1989 to process gravel from Lone Star in Tacoma. Between 1976 and 1984, Certain-Teed may have used ASARCO slag as well as 3M granules (D 079).

CHEMICAL USE AND DISPOSAL

A listing of hazardous materials used by PABCO and copies of corresponding Material Safety Data Sheets were provided in the 104(e) response (CB/NT 8.7.3.19.2-0001C). These potentially hazardous materials include asphalt saturants, coatings, laminates, and fluxes; roofing granules; organic felt; fiberglass mat; fuel oil; laboratory chemicals; and small quantities of oils, greases, paints, and solvents used to maintain and repair roofing machinery (CB/NT 8.7.3.19.2-0001A; p. 3). Petroleum asphalts, which are used by PABCO, are organic with only trace amounts of inorganic materials (Kirk-Othmer 1985).

PABCO identified waste generated at the facility (CB/NT 8.7.3.19.2-0001A; p. 4). Waste roofing products and raw materials are transported offsite by LeMay Refuse to Thun Field. Waste oils, greases, and solvents are temporarily stored onsite in a container in the maintenance shed. These products are transported offsite by U.S. Oil, transferred to United Drain Oil (Seattle, WA) for recycling, or used onsite as a lubricant. Any chemical containers that are used in the laboratory are cleaned in an approved manner and are removed from the facility by LeMay Refuse and disposed of at the Pierce County Landfill (CB/NT 8.7.3.19.2-0001A; p. 4).

Asphalt spills at the facility are uncommon (Underwood, W., 31 July 1989, personal communication). If asphalt spills do occur, the asphalt cools immediately and it can be easily and quickly cleaned up with a shovel. In October 1984, an Ecology inspector noted that PABCO conducted a clean operation, but that insulating oil was spilled onsite (area and volume of spill was not quantified). PABCO uses insulating oil as a solvent in a

saturator to clean equipment and recycles the oil until it is used up (Underwood, W., 31 July 1989, personal communication).

PABCO does not store any reportable quantities of hazardous materials as listed in 40 CFR, Parts 117 and 302 (CB/NT 8.7.3.19.2-0001A; p. 4). The locations of areas used for storage of waste materials, fuel oil, and asphalt are shown in Enclosure 1 of the 104(e) response (CB/NT 8.7.3.19.2-0001B).

During construction of the granule facility in 1987, some used equipment was purchased, and in June 1987 lead oxide and eight PCB capacitors were received as part of the purchase agreement (CB/NT 8.7.3.19.2-0001A; p. 5). Copies of disposal records (September 1987) for these items were provided in the 104(e) response (CB/NT 8.7.3.19.2-0001D-0001I). The records showed that PABCO also disposed of 1 gal Ortho Weed Killer, 1 gal xylene, and 1 gal toluene (CB/NT 8.7.3.19.2-0001D).

CONTACT MAILING ADDRESS

Facility Address:

PABCO Roofing Products
1718 Thorne Road
Tacoma, WA 98421

104(e) Respondent's Address and PRP Contact Address:

PABCO Roofing Products
1014 Chesley Avenue
Richmond, CA 94804
(415) 234-2130
Attn: W.J. Underwood

CORPORATE STATUS

PABCO Roofing Products is a division of Pacific Coast Building Products, Inc., of Sacramento, CA (CB/NT 8.7.3.19.2-0001A; p. 1). Pacific Coast Building Products was incorporated in California on 17 September 1964 as Pacific Wood Products, Inc. Corporate officers and 11 subsidiaries were identified in PABCO's 104(e) response (CB/NT 8.7.3.19.2-0001A; pp. 1-2).

SURFACE WATER DRAINAGE

PABCO provided a large facility map showing the locations of buildings, waste streams, and sanitary sewer and storm drain lines and connections (CB/NT 8.7.3.19.2-0001B). The paved areas on PABCO's property are sloped to provide surface water drainage into the storm drain system (CB/NT 8.7.3.19.2-0001A; p. 6). About 12 catch basins receive surface water runoff, which is connected to the storm system via two separate lines and discharges via SI-172 to Sitcum Waterway (D 067; p. 7-10). Surface water on unpaved areas of PABCO's property percolates to the groundwater.

ENVIRONMENTAL STATUS

In February 1988, Ecology conducted an investigation to determine whether the facility was in compliance with the PCB regulations adopted by U.S. EPA pursuant to the Toxic Substances Control Act (CB/NT 8.7.3.19.2-0001J). As part of the inspection, a sample was obtained from the plant's wastewater sludge and analyzed for PCBs (CB/NT 8.7.3.19.2-0001K). PCBs were not detected in the sample. According to an Ecology inspector (CB/NT 8.7.3.19.2-0001K), who was not available during this evaluation to discuss or clarify the following issue, PCBs may inadvertently be generated as part of the production of oil-based asphalt shingles. [Note: PABCO mistakenly identified this investigation as an air pollution investigation in their 104(e) response.]

Soil foundation reports provided by PABCO did not contain relevant information (CB/NT 8.7.3.19.2-0001L through 00010).

INSURANCE INFORMATION

PABCO has carried an insurance policy with Industrial Indemnity since 3 August 1985 (CB/NT 8.7.3.19.2-0001A; p. 6). A specific exclusion for pollution exists on this policy. Since September 1985, insurance coverage has also been provided by Royal Insurance. From September 1984 to September 1985, insurance coverage was provided by Fireman's Fund, with excess coverage provided by Pacific Employers. It is not known whether either of those two policies included coverage for damages resulting from releases to the environment (CB/NT 8.7.3.19.2-0001A; p. 6).

RECOMMENDED PRPS

Prior to PABCO's ownership, roofing materials were manufactured at this facility by the Certain-Teed Corporation (CB/NT 8.7.3.19.2-0001A; p. 1). Certain-Teed's address is P.O. Box 860, Valley Forge, PA, 19482. A previous employee said that Certain-Teed conducted operations in a manner similar to those of PABCO (Underwood, W., 31 July 1989, personal communication). Because Certain-Teed manufactured roofing shingles from about 1954 or 1955 until 1984, and discharges from the facility may have contributed to contamination of Sitcum Waterway, they should be sent a general notice letter. During the recent Tacoma Landfill PRP Search, U.S. EPA did receive information from Certain-Teed Corporation concerning wastes that they transported to the Tacoma Landfill.

SUMMARY

PABCO is a division of Pacific Coast Building Products, which currently owns and occupies land once operated by Certain-Teed Corporation. Although PABCO is not believed to be a source of contaminants itself, Certain-Teed

may have discharged contaminants to a storm drain that discharges to the Sitcum Waterway priority area. Considering this information, Tetra Tech recommends that Certain-Teed be sent a general notice letter and that PABCO should be removed from the PRP list for the CB/NT Superfund site.

REFERENCES

CB/NT 8.7.3.19.2-0001, Attachments 0001A-0001P
Underwood, W.J. 15 May 1989. Personal Communication (letter to U.S. Environmental Protection Agency Region X, Seattle, WA). PABCO Roofing Products, Richmond, CA. 1 p. + attachments.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 079
Anderson, D. 3 October 1984. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding PABCO). Washington Department of Ecology, Olympia, WA.

D 145
Robinson, N. 20 September 1988. Personal Communication (letter to Sherry Carr, Certain-Teed Corporation, copied to Ms. Deborah Yamamoto, U.S. Environmental Protection Agency Region X, Seattle, WA). MARKED CONFIDENTIAL

Kirk-Othmer. 1985. Concise encyclopedia of chemical technology. John Wiley & Sons, New York, NY.

Underwood, W.J. 31 July 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Bellevue, WA). PABCO Roofing Products, Richmond, CA.

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DRAFT PRP EVALUATION
PACIFIC MARINE REPAIR

OVERVIEW

Pacific Marine Repair, Inc is a boat repair and metals fabricating business located at 4102 East 11th Street in Tacoma. Gary and Donna Raymond purchased Pacific Marine Repair in February 1988, and moved the business from 2202 East 11th Street to its present location in April 1988. The 4102 East 11th Street facility is leased from the Mintercreek Development Company (CB/NT 8.7.3.20.2-001). There is no evidence of releases or spills of potentially hazardous materials at the present location. However, past operations at the 2202 East 11th Street location may have released hazardous materials (e.g., caustics, sludges) to Sitcum Waterway (D 001). The company was identified as a PRP for Sitcum Waterway because of the potential for this type of operation to spill or release potentially hazardous materials to nearby marine waters. Pacific Marine Repair does not appear to have had an impact on nearby Hylebos Waterway (CB/NT 8.7.3.20.2-001).

FACILITY DESCRIPTION AND LOCATION

Pacific Marine Repair was located at 2202 East 11th Street from September 1985 to April 1988. William Drury operated both the William Drury Company and Pacific Marine Repair on land owned by Modern Properties, Inc. The two companies performed different services relating to marine repair. The William Drury Company repaired boat parts and industrial equipment, while Pacific Marine Repair installed the repaired parts in vessels (D 001).

Pacific Marine Repair and the William Drury Company were identified as PRPs for Sitcum Waterway because of waste handling practices at the 2202 East 11th Street facility. In 1983, TPCHD inspectors indicated that there was no onsite sewer disposal system or treatment system (D 072), and that according to workers, a "hot tank" containing sodium hydroxide and sludge was regularly emptied into the storm drain (D 072). Wastes generated at the facility include waste oil, diesel, powdered acid, acetone, resin, epoxy and plastic thinner, and cleaning solution (D 072).

CHEMICAL USE AND DISPOSAL

Pacific Marine Repair fabricates metal parts for vessels at the 4102 East 11th Street facility. The company also repairs metal components of vessels and installs fabricated parts at the vessel's location (CB/NT 8.7.3.20.2-001). Pacific Marine Repair uses a variety of materials in their operations, and has provided a list of materials used, amounts used, and methods of disposal (CB/NT 8.7.2.20-2.0001B). These materials include solvents, oils (hydraulic, cutting, and lubricating), antifreeze, alcohol, ketone, cleaning solutions, and paints. Pacific Marine Repair also provided Materials Safety Data Sheets (MSDS) for the oils, paints, solvents, cleaners, and chemicals used (CB/NT 8.7.2.20-000C-M). According to the MSDS, the oils used by Pacific Marine Repair contain zinc, which is a priority chemical for Sitcum Waterway.

Before use, all materials are stored at Pacific Marine Repair's 4102 East 11th Street shop in containers and drums (CB/NT 8.7.3.20.2-0001). A checklist is used for monitoring inventory. Pacific Marine Repair has two 55-gallon waste oil drums on its premises. Wastes are removed by Lockwood Marine (CB/NT 8.7.3.20.2-0001). Lockwood Marine invoices are available from Pacific Marine Repair upon request (CB/NT 8.7.3.20.2-0001).

CONTACT MAILING ADDRESS

Facility and PRP Address:

Pacific Marine Repair, Inc.
4102 East 11th Street
Tacoma, WA 98421
(206) 272-4302
Attn: Donna Raymond and Gary Raymond

CORPORATE STATUS

Pacific Marine Repair is a Washington corporation (CB/NT 8.7.3.20.2-0001). The corporation has been in business in the Commencement Bay nearshore tideflats (CB/NT) area since 1985. At that time, Pacific Marine Repair was owned by William Drury, Jr. (President and Treasurer) and William Drury, Sr. (Vice President and Secretary). Gary Raymond purchased 50 percent ownership from William Drury, Sr. and became Vice President and Secretary as of 6 February 1986. Gary and Donna Raymond purchased the remaining 50 percent from William Drury, Jr. as of 10 February 1988, and at that time assumed all officer and director positions (CB/NT 8.7.3.20.2-0001). The Raymonds owned Pacific Marine Repair for two months before moving Pacific Marine Repair to the new location.

SURFACE WATER DRAINAGE

The back (southeast) portion of the facility drains into Hylebos Waterway (CB/NT 8.7.3.20.2-0001). At Pacific Marine Repair's previous facility, located at 2202 East 11th Street, storm drains near the facility drained directly to Sitcum Waterway (D 072; TPCHD, 1988).

ENVIRONMENTAL STATUS

Pacific Marine Repair claims to have had no spills or other problems with waste material disposal. The owners use Lockwood Marine to dispose of their waste oil (CB/NT 8.7.3.20.2-0001). The owners of Pacific Marine Repair indicated they could provide invoices from Lockwood Marine to verify proper disposal (CB/NT 8.7.3.20.2-0001).

INSURANCE INFORMATION

Pacific Marine Repair states they have environmental liability provision for the 4102 East 11th Street property. This information is available upon request (CB/NT 8.7.3.20.2-0001).

RECOMMENDED PRPS

Disposal practices used by the William Drury Company and Pacific Marine Repair at the 2202 East 11th Street facility may have contributed to sediment contamination in Sitcum Waterway. However, Gary and Donna Raymond should probably not be held responsible for waste disposal practices used by Pacific Marine Repair at the Sitcum Waterway location, because of the relatively short interval that they owned the company. The William Drury Company, which operated at the same location with Pacific Marine Repair, has already been identified as a PRP for Sitcum Waterway.

SUMMARY

The William Drury Company, of which Pacific Marine Repair used to be a part from 1985 to 1988, reportedly dumped caustic solutions and sludges to a storm drain discharging to Sitcum Waterway in 1983 (D 072). Since that time, Pacific Marine Repair has changed ownership and relocated. While the new owners could be held responsible for the actions of the company, there

is no evidence that the present owners have contributed to the contamination of bottom sediments in either Sitcum or Hylebos Waterways. As a result, Tetra Tech recommends that Pacific Marine Repair be removed from the PRP list. It should be noted that the previous owners of Pacific Marine Repair, William Drury, Sr. and Jr., are associated with the William Drury Company which has also been identified as a PRP for Sitcum Waterway.

REFERENCES

CB/NT 8.7.3.20.2-0001. Attachments 0001A-M
Raymond, G. 22 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Pacific Marine Repair, Inc., Tacoma, WA. 3 pp. + attachments.

D 001
Pierce, D., and J. Snyder. 15 December 1983. Tacoma tideflats industrial waste survey. Tacoma-Pierce County Health Department, Tacoma, WA. No copy.

D 072
Tacoma-Pierce County Health Department. 1983. Inspection report dated 5/5/83 regarding the William Drury Company, Tacoma, WA. Tacoma-Pierce county Health Department, Tacoma, WA. 2 pp.

REIL. 1988
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department, 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD. Tacoma, WA.

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29 September 1989

DRAFT PRP EVALUATION
SUBURBAN PROPANE

OVERVIEW

Since 1985, Suburban Propane has stored and dispensed propane gas from its facility at 1125 Thorne Road in Tacoma. The property is leased from Modern Properties, Inc. Similar business operations have been conducted on this property since at least 1978. The Tacoma Tideflats Industrial Survey reported that Suburban Propane performed a variety of maintenance operations, and converted gasoline engines for propane use (D 001). Because it is located in the Sitcum Waterway drainage basin, waste materials generated at Suburban Propane could have entered the waterway. However, after evaluating Suburban Propane's 104(e) response, it is believed that neither Suburban Propane nor its predecessor Pargas is a source of contaminants to sediments in Sitcum Waterway.

FACILITY DESCRIPTION AND LOCATION

Since 1985, Suburban Propane has conducted business at 1125 Thorne Road in Tacoma. The company sells and distributes propane and related equipment for residential, commercial, industrial, and agricultural uses. Suburban Propane acquired the business by a merger between Suburban Propane Gas Corporation and Pargas, Inc. on 31 December 1985. Pargas had leased the premises from Modern Properties, Inc. since 1 January 1978, and had used the properties to store and dispense propane. Suburban Propane has apparently continued leasing the property (about 57,000 ft^2) from Modern Properties (CB/NT 8.7.3.24.2-0001; pp. 2-3).

CHEMICAL USE AND DISPOSAL

Suburban Propane does not generate waste materials, and the company does not clean propane storage tanks located onsite (CB/NT 8.7.3.24.2-0001; p. 3). Spills of potentially hazardous materials have not occurred onsite (CB/NT 8.7.3.24.2-0001; p. 4). Neither Suburban Propane nor Pargas performed gasoline-to-propane conversions on equipment at this facility (Suminski, R., 21 July 1989, personal communication).

The following materials are used by the company in equipment maintenance and cleaning operations: 1-gal containers of paint, 1-qt containers of motor oil, 5-gal containers of cleaning solvents, and 5-gal containers of methanol. Waste oils and solvents are stored onsite in barrels and removed for disposal by United Drain Oil Service of Tacoma. The actual quantity of wastes generated is unknown, but approximately 1 barrel is disposed of every 3-4 yr (CB/NT 8.7.3.24.2-0001; p. 3). The company maintains purchasing records for these materials, and a Material Safety Data Sheet for propane was provided as part of the 104(e) response.

CONTACT MAILING ADDRESS

Facility Address:
Suburban Propane
1125 Thorne Road
Tacoma, WA 98421-3299

104(e) Respondent's Address and PRP Contact Address:
Suburban Propane
One Suburban Plaza
P.O. Box 206
Whippany, NJ 07981-0206
Attn: Richard J. Suminski, Associate Counsel

CORPORATE STATUS

National Distillers and Chemical Corporation (National Distillers) acquired Suburban Propane Gas Corporation, a New Jersey corporation, on 31 January 1983. After the acquisition, Suburban Gas operated as a wholly owned subsidiary of National Distillers. During and prior to such time, Suburban Propane transacted business in the western states through its wholly owned subsidiary, Vangas, Inc., a California corporation (CB/NT 8.7.3.24.2-0001; p. 2).

On 4 September 1985, National Distillers acquired the stock of Pargas, Inc., a Maryland corporation. Effective 31 December 1985, Pargas and Vangas were merged into Suburban Propane. Effective 30 September 1986, Suburban Propane merged into National Distillers and became an operating division of National Distillers known as Suburban Propane Division of National Distillers and Chemical Corporation.

On 30 December 1987, National Distillers changed its name to Quantum Chemical Corporation and conducted its propane operations under the name Suburban Propane Division of Quantum Chemical Corporation (CB/NT 8.7.3.24.2-0001; p. 3).

Senior officers of Suburban Propane are named in the 104(e) response (CB/NT 8.7.3.24.2-0001; p. 3) and they maintain offices in Whippany, NJ.

SURFACE WATER DRAINAGE

Surface water runoff from Suburban Propane's leased property enters Sitcum Waterway via storm drain SI-172 (D 067; p. 7-10).

ENVIRONMENTAL STATUS

Environmental investigations have not been conducted onsite (CB/NT 8.7.3.24.2-0001; p. 4). Suburban Propane was not identified as a potential contaminant source in the RI (D 066) and the FS (D 067).

INSURANCE INFORMATION

Suburban Propane has an insurance policy with CIGNA Insurance Company for the period 1 October 1983 until 1 October 1989. The limit on this current general liability policy is $5,000,000 (CB/NT 8.7.3.24.2-0001; p. 4). It was not stated in the 104(e) response whether this policy includes coverage for damages resulting from releases to the environment.

RECOMMENDED PRPS

Suburban Propane did not directly identify other potential PRPs to U.S. EPA. Two other PRPS were identified for the CB/NT Superfund site (CB/NT 8.7.3.24.2-0001; p. 2). Modern Properties has received a general notice letter as the owner of this and other parcels. The company Pargas, which operated onsite from 1978 until it merged with Suburban Propane in 1985, was not sent a letter. Because Pargas conducted operations similar to Suburban Propane, it is unlikely that Pargas generated hazardous wastes.

SUMMARY

There is no evidence to indicate that routine operations, waste handling, or maintenance activities at Suburban Propane have resulted in sediment contamination in Sitcum Waterway. As a result, Tetra Tech recommends that Suburban Propane be removed from the PRP list.

REFERENCES

CB/NT 8.7.3.24.2-0001
Suminski, R.J. 12 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Suburban Propane, Whippany, NJ. 4 pp. + attachment.

D 001
Pierce, D., and J. Snyder. 15 December 1983. Tacoma tideflats industrial waste survey. Tacoma-Pierce County Health Department, Tacoma, WA. No copy.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

Suminski, R.J. 21 July 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Suburban Propane, Whippany, NJ.

ENFORCEMENT CONFIDENTIAL
SITCUM WATERWAY

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DRAFT PRP EVALUATION
WILLIAM DRURY COMPANY

OVERVIEW

The William Drury Company, located at 2202 East 11th Street near Sitcum Waterway, buys, sells, and repairs marine equipment. According to an inspection conducted in 1983 by the TPCHD, William Drury Company employees dumped the contents of a "hot tank," which contained a combination of sodium hydroxide and oil sludges, down a storm drain on the property that leads directly to Sitcum Waterway (D 072). The TPCHD inspectors also noted that the "hot tank" had not been emptied for nearly two years. William Drury's current operation does not appear to have an impact on Sitcum Waterway. However, past operations may have contributed to sediment contamination of Sitcum Waterway.

FACILITY DESCRIPTION AND LOCATION

The William Drury Company is located on a 0.67 ac parcel at 2202 East 11th Street, near Sitcum Waterway. The owner, Mr. William Drury Jr., stated that the company has been at this location since 1972 (CB/NT 8.7.3.27.2-0001).

The company is engaged in metal fabricating, marine equipment repair, and marine equipment salvage. Salvaged equipment, including winches, hatches, and other machinery, is stored at the East 11th Street facility. Mr. Drury stated that some salvaged items are cleaned at the facility, but most items are sent to a sandblaster for cleaning and painting (CB/NT 8.7.3.27.2-0001).

William Drury, Sr. and Jr., were stockholders and directors for a company called Pacific Marine Repair that also operated from the 2202 East 11th Street facility. The two companies performed intertwining services relating to marine repair; the William Drury Company repaired boat parts and industrial equipment, while Pacific Marine Repair installed the repaired parts to vessels (D 001). In 1985, Mr. William Drury Sr., sold 50 percent of his stock in Pacific Marine Repair to Gary and Donna Raymond. The other 50 percent of stock was sold in February 1988. In April 1988, Pacific Marine Repair moved to 4102 East 11th Street. William Drury, Jr. continues to own and operate the William Drury Company at the 2202 East 11th Street location (CB/NT 8.7.3.20.2-0001).

CHEMICAL USE AND DISPOSAL

According to Mr. Drury, the only chemical used by William Drury Company is cleaning solvent (CB/NT 8.7.3.27.2-0001). Drury states that no more than 2 drums of solvent are stored on the property at one time (CB/NT 8.7.3.27.2-0001). The solvent is kept in a self-contained cleaning tank, which holds about 2 quarts in a reservoir. The cleaning tank circulates the solvent with a small pump and is drained from the tank into 55-gallon drum on a monthly or "as needed" basis. The drum is then covered and placed in the back of the William Drury Company yard. When a drum is full, Drury calls a waste disposal company to come and pick up the dirty solvent (CB/NT 8.7.3.2). Two to three drums await disposal at any given time.

Although Mr. Drury stated that his company has not had an environmental problem (i.e., spill or chemical release), a 1983 inspection of the facility by the TPCHD (D 072) suggests that disposal and storage practices at the William Drury Company warrant further investigation for the following reasons:

- The William Drury Company is located across (south) of East 11th Street from Sitcum Waterway. Surface runoff from the site enters Sitcum Waterway via storm drains (TPCHD 1988).

- The TPCHD inspectors indicated that there was no on-site chemical treatment system at the facility (D 072).

- There is an underground gasoline storage tank at the facility, although it is not currently in use by the William Drury Company.

- Wastes generated by maintenance work and finishing marine equipment include waste oil, diesel, powdered acid, acetone, resin, epoxy and plastic thinner, and cleaning solutions (D 072). Improperly stored or handled materials could enter Sitcum Waterway via surface water runoff (D 072).

- Workers at William Drury Company reported that it was normal procedure to dispose of "hot tank" contents (combination sodium hydroxide and sludge) into a storm drain (D 072). At the time of the inspection, Mr. Drury stated he had not emptied the "hot tank" since 1981.

Priority chemicals for Sitcum Waterway include metals and PAH. Waste oil, "hot tank" sludges and possibly other wastes generated at the William Drury Company facility could be sources of metals and PAH in waterway sediments.

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:
William Drury Company
2220 East 11th Street
Tacoma, WA 98421
Attn: William W. Drury, Jr.
(206) 272-4109

CORPORATE STATUS

The company is presently owned by William W. Drury Jr. and was incorporated in the State of Washington in 1976. The company began as a partnership (William Drury Sr., (b) (6) and William Drury, Jr., (b) (6) in 1972 (CB/NT 8.7.3.27.2-0001). The one significant change in ownership occurred when (b) (6) and sold his interest in the company to William Drury, Jr. William Drury, Jr. did not disclose the date of this transaction (CB/NT 8.7.3.27.2-0001).

SURFACE WATER DRAINAGE

All surface water runoff at the facility enters Sitcum Waterway via a storm drain (SI-172) (TPCHD 1988). Past operations at this facility may have contributed to sediment contamination via surface water runoff (D 072).

ENVIRONMENTAL STATUS

There have been no environmental studies or cleanups undertaken at the William Drury site. Drury states that there has never been a spill or leak on this site (CB/NT 8.7.3.27.2-0001). The information given by Mr. Drury did not mention the inspection performed by TPCHD inspectors in 1983 (D 072). At that time, inspectors noted a waste oil spill near the

collection drums in the back of the William Drury yard. Inspectors deemed the operation "unsatisfactory" (D 072).

There has not been a recent inspection or report on chemical disposal or storage practices at the William Drury Company. Drury said that no records pertaining to environmental issues are maintained because Drury feels there is no need for keeping records of this kind (CB/NT 8.7.3.27.2-0001).

INSURANCE INFORMATION

William Drury, Jr. stated that he has insurance through Unigard, P.O. Box 90701, Bellevue, WA 98009 (CB/NT 8.7.3.27.2-0001). He did not indicate whether this policy provided coverage for environmental releases or damage.

RECOMMENDED PRPS

Mr. Drury did not recommend other businesses or individuals be added to the PRP List for Sitcum Waterway.

SUMMARY

The William Drury Company was identified as a PRP for Sitcum Waterway because of the potential for this type of operation to spill or release potentially hazardous materials to nearby marine waters. PRP status was also the result of the reported past disposal and storage practices of William Drury Company. TPCHD inspectors reported a waste oil spill near the waste oil collection area, inspectors deemed the facility "unsatisfactory", and workers reported that it was normal procedure to dispose the contents of a "hot tank" to a storm sewer. The inspectors indicated that there was no on-site chemical or waste treatment system. Wastes generated by maintenance work and finishing marine equipment include waste oil, diesel, powdered acid, acetone, resin, epoxy and plastic thinner, and cleaning solution

(D 072). Tetra Tech recommends that this facility remain on the PRP list for further evaluation pending the results of a current inspection and soil and surface water sampling.

REFERENCES

CB/NT 8.7.3.27.2-0001, pp 1-2
William W. Drury, Jr. 10 July 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Owner, William Drury Company, Tacoma, WA. 2 pp.

D 072
Tacoma-Pierce County Health Department. 1983. Inspection report dated 5/5/83 regarding the William Drury Company, Tacoma, WA. TPCHD, Tacoma, WA 2 pp.

REIL. 1988
Real estate information for Pierce County. Real Estate Information Listings, Inc., Tacoma, WA

Tacoma-Pierce County Health Department, 1988. Commencement Bay Near-shore/tideflats drainage map. TPCHD. Tacoma, WA

St. Paul

ENFORCEMENT CONFIDENTIAL
ST. PAUL WATERWAY

28 July 1989

DRAFT PRP EVALUATION
CHAMPION INTERNATIONAL CORPORATION

OVERVIEW

Champion International Corporation acquired land and the Tacoma kraft mill by merger between St. Regis and Champion in January 1985. In August 1985, the land and facilities were transferred to the Simpson Tacoma Kraft Company.

Former effluent discharges from the kraft mill and surface water runoff from the site were identified as the primary sources of contaminants to the St. Paul Waterway priority area (D 066; p. 7.159). This conclusion is based on the proximity of the mill to the St. Paul Waterway area, documented use of priority chemicals in mill processes, reduced concentrations of contaminants in sediments with distance from the former mill outfall, and the presence in sediments of priority chemicals typically found in pulp mill effluent (D 067; p. 8-8). In general, kraft mill effluent was the primary source of contamination in the area at the mouth and northeast of St. Paul Waterway. In St. Paul Waterway proper, the source was primarily spillage of and runoff from woody debris from log and chip operations, and stormwater runoff from process areas of the mill (CB/NT 8.7.4.2.2-0002I; pp. 9-13).

Information on remedial actions that have been implemented at the Tacoma kraft mill is provided in the written review of the Simpson Tacoma Kraft Company response.

Champion did not respond directly to each question in the 104(e) letter. Champion's attorneys deferred to Simpson's response with respect to certain questions (e.g., remedial efforts, facility history). For other

questions, Champion's attorneys identified the type of information available rather than providing a narrative response.

FACILITY DESCRIPTION AND LOCATION

Information on facility history and mill operations is provided in the Simpson Tacoma Kraft Company review. Briefly, St. Regis Paper acquired the facility in 1930, and operated the plant through 1984. Champion acquired the mill by a merger between Champion International Corporation and St. Regis in January 1985. In August 1985, the property; the distribution yard; and the kraft, saw, and stud mills were transferred to Simpson (CB/NT 8.7.4.1.2-0002; p. 2). Champion no longer owns property in the Commencement Bay Superfund site (CB/NT 8.7.4.1.2-0002; pp. 1 and 3).

Champion did not indicate whether the property list they received with their general notice letter was accurate (CB/NT 8.7.4.1.2-0002). Champion's attorneys provided legal descriptions of four parcels that Champion owned previously (CB/NT 8.7.4.1.2-0002A,B,C). These legal descriptions were not crosschecked with Simpson (CB/NT 8.7.4.1.2-0002; p. 3). Champion provided a list of past leases with respect to mill properties, but did not provide parcel designations for these leases (CB/NT 8.7.4.1.2-0002; p. 3). All commercial leases were to tenants for warehouse storage space.

CHEMICAL USE AND DISPOSAL

Champion did not provide information on chemical use and disposal in their 104(e) response to U.S. EPA. Historical information is provided in the Simpson review.

CONTACT MAILING ADDRESS

Current Address:

Champion International Corporation
One Champion Plaza
Stamford, CN 06921

104(e) Respondent's Address and PRP Contact Address:

Steven S. Anderson
Heller, Ehrman, White & McAuliffe
6100 Columbia Center
701 Fifth Avenue
Seattle, WA 98104-7098

CORPORATE STATUS

Champion International is a New York corporation (CB/NT 8.7.4.1.2-0002G; p. 6). A list of Champion directors and subsidiaries was provided in their 104(e) response (CB/NT 8.7.4.1.2-0002G).

SURFACE WATER DRAINAGE

Information on surface water drainage is provided in the Simpson review.

ENVIRONMENTAL STATUS

Information on environmental issues related to the Tacoma kraft mill is summarized in the Simpson review.

Champion provided copies of two indexes of St. Regis and Champion documents, which may include environmental information (CB/NT 8.7.4.1.2-0002E,F). U.S. EPA may review any of the listed documents after Champion's attorneys have been notified and the documents have been reviewed for privileged

materials. Champion also provided transcripts of proceedings from two public hearings and written comments concerning the Consent Decree for the St. Paul Waterway remedial action plan (CB/NT 8.7.4.1.2-0002H; Attachment 2).

INSURANCE INFORMATION

St. Regis has been insured by Wausau from 1974 to the present. Between 1979 and 1985, the limit on the policy was $2,000,000 (CB/NT 8.7.4.1.2-0002; p. 5). Champion is reviewing their records for excess policies and for the Champion policy in effect during the 7-mo period they owned the mill. They will supplement their response to this question at a later date.

RECOMMENDED PRPS

Champion did not provide information on other PRPs in their 104(e) response to U.S. EPA.

SUMMARY

Champion International is a previous owner of the kraft mill and land adjacent to (and including) St. Paul Waterway. The kraft mill has been determined to be a source of priority chemicals to the St. Paul priority area (D 067; p. 8-8). Champion International, in cooperation with Simpson Tacoma Kraft, has undertaken projects to cleanup contaminated bottom sediments in Commencement Bay. It is Tetra Tech's recommendation that Champion International remain on the PRP list for St. Paul Waterweay.

REFERENCES

CB/NT 8.7.4.1.2-0002, Attachments 0002A-H
Anderson, S.S. 23 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Heller, Ehrman, White & McAuliffe, Attorneys, Seattle, WA. 6 pp. + attachments.

CB/NT 8.7.4.2.2-0002, Attachments 0002A-W
Weiner, K.S. 29 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Preston, Thorgrimson, Ellis & Holman, Attorneys-at-Law, Seattle, WA. 3 pp. + attachments.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

ENFORCEMENT CONFIDENTIAL
ST. PAUL WATERWAY

28 July 1989

DRAFT PRP EVALUATION
SIMPSON TACOMA KRAFT COMPANY

OVERVIEW

Simpson Tacoma Kraft Company presently owns land and a kraft mill that were once owned and operated by Champion International Corporation and St. Regis. Former effluent discharges from the kraft mill and surface water runoff from the site were identified as the primary sources of contaminants to the St. Paul Waterway priority area (D 066; p. 7.159). This conclusion is based on the proximity of the mill to the St. Paul Waterway area, documented use of priority chemicals in mill processes, reduced concentrations of contaminants in sediments with distance from the former mill outfall, and the presence in sediments of priority chemicals typically found in pulp mill effluent (D 067; p. 8-8). In general, kraft mill effluent was the primary source of contamination in the area at the mouth and northeast of St. Paul Waterway. In St. Paul Waterway proper, the source was primarily spillage of and runoff from woody debris from log and chip operations, and stormwater runoff from process areas of the mill (CB/NT 8.7.4.2.2-0002I; pp. 9-13).

Since Simpson purchased the Tacoma kraft mill in August 1985, source control measures have been instituted (e.g., storm drain discharges were eliminated and storm water is treated prior to discharge), a new outfall has been constructed, and a remedial action and habitat restoration project has been completed. Designed to clean up the sediment contamination problem in the St. Paul Waterway area, the remedial action program is currently in the long-term monitoring phase (see D 067 p. 8-9 to 8-15 and CB/NT 8.7.4.2.2-0002A). This work is being completed under the direction of Ecology, in accordance with the Consent Decree (8.7.4.2.2-002D,I).

Simpson Tacoma Kraft did not respond directly to the 104(e) letter. Simpson's attorneys stated that most of the questions in the general notice letter that were directed toward remedial planning were either irrelevant to the St. Paul Waterway site or had been addressed in previous project documents. The letters did provide information to update U.S. EPA on the project status.

FACILITY DESCRIPTION AND LOCATION

In 1889, the St. Paul and Tacoma Lumber Company began operations on the peninsula between St. Paul Waterway and the Puyallup River. Under the ownership of the Union Bay Company, pulp and paper operations began in 1927. In 1930, St. Regis Paper acquired the facility, and operated the plant through 1984. The mill was acquired by Champion International in a merger between Champion and St. Regis in January 1985. In August 1985, Simpson purchased the mill facilities and property.

The Simpson Tacoma kraft mill is located on 57 ac along the shoreline of Commencement Bay between St. Paul Waterway and the Puyallup River. Simpson owns the uplands and the adjoining St. Paul Waterway landward of the inner harbor line. The state owns the area between the inner and outer harbor lines and the adjacent bedlands (CB/NT 8.7.4.2.2-0002I; Exhibit A). [This property information, which conflicts with some information presented in the RI (D 066) and FS (D 067) reports, was provided by Simpson (CB/NT 8.7.4.2.2-0002I)]. Simpson did not indicate whether the property list they received with their general notice letter was accurate (CB/NT 8.7.4.2.2-0002).

Simpson operates a pulp and paper mill using the kraft process (D 067). The kraft process involves the use of sodium hydroxide and sodium sulfide to delignify wood chips so that the cellulose fibers can be separated. The mill produces unbleached linerboard, unbleached and bleached paper, bleached market pulp, and similar materials.

CHEMICAL USE AND DISPOSAL

Simpson did not provide information on chemical use and disposal to U.S. EPA. Based on the Tacoma Landfill PRP report, solid wastes from the Tacoma kraft mill were disposed of in an onsite incinerator until 1981, when the incinerator was phased out (D 239).

Prior to 1963 (CB/NT 8.7.4.2.2-002A; pp. I-1 and I-7), untreated plant effluent was discharged directly to the Puyallup River (D 066; p. 7.153). In 1963-64, primary clarification was initiated (CB/NT 8.7.4.2.2-002A; pp. 2, I-1, and I-7). By 1970, all wastewater flows had been consolidated and processed through a primary clarifier prior to discharge (CB/NT 8.7.4.2.2-002A; p. I-6), and the effluent outfall was moved from the Puyallup River to the northeastern portion of the mill's property (D 067; p. 8-6). The mill began secondary treatment of its wastewater in approximately 1977 (CB/NT 8.7.4.2.2-0002A; p. I-6). Both primary and secondary treated effluent were discharged to Commencement Bay under NPDES permit WA0000850 (D 067). Relocation of the NPDES-permitted outfall to its current location was completed in March 1988 (D 067; p. 8-9).

CONTACT MAILING ADDRESS

Facility Address:

Simpson Tacoma Kraft Company
801 Portland Avenue
Tacoma, WA

104(e) Respondent's Address:

Kenneth S. Weiner
Preston, Thorgrimson, Ellis & Holman
5400 Columbia Seafirst Center
701 Fifth Avenue
Seattle, WA 98104-7011

CORPORATE STATUS

Simpson Tacoma Kraft Company is a Washington corporation (CB/NT 8.7.4.2.2-0002I).

Registered Agent (1988 Simpson Tacoma Kraft Company corporate record):

Joseph Breed
1201 3rd Avenue
Seattle, WA 98101

SURFACE WATER DRAINAGE

All surface waters from Simpson's properties that drain to the St. Paul Waterway area are collected and treated by the mill's secondary treatment plant prior to discharge via the improved outfall (CB/NT 8.7.4.2.2-0002A; SEPA Attachment, p. 6). Simpson's outfalls shown on the TPCHD maps and in the FS (D 067) have been eliminated.

ENVIRONMENTAL STATUS

During the RI, chemical analyses were conducted on subtidal marine sediments from St. Paul Waterway and nearby Commencement Bay (D 066; p. 7.140). Sediment samples were collected adjacent to the mill, in central and eastern St. Paul Waterway, and in the waterway mouth. Sediments were not sampled near two city storm drain outfalls at the head of the waterway.

Sediments located at the mouth of St. Paul Waterway and in Commencement Bay north and west of the waterway were contaminated by chemicals and organic debris, which severely depressed natural biological populations. The chemicals of concern included 4-methylphenol (p-cresol), 1-methyl(2-methylethyl)-benzene (p-cymene), 2-methoxyphenol (guaiacol), copper, and naphthalenes

[(D 066; p. 7.140)(CB/NT 8.7.4.2.2-0002I; p. 11)(D 067; p. 8-7)]. Additionally, significant bioaccumulation of copper was found in English sole from St. Paul Waterway (D 066; pp. 3.172 and 7.159). Although chloroform was detected at elevated concentrations in a 1981 Ecology Class II NPDES survey of the kraft mill effluent and receiving waters (D 128), this volatile compound was not found to be a priority chemical with respect to sediment contamination or bioaccumulation (D 066; p. 7.140).

Potential contaminant sources were identified during the RI and FS, and in subsequent studies conducted by Simpson (CB/NT 8.7.4.2.2-0002A). Former outfall discharges were shown to have high concentrations of organic matter, copper, and naphthalene (D 066; pp. 7.153 and 7.157). In the RI, calculated loading estimates for BOD, COD, and total suspended solids are shown in Table 7.4.2 (D 066; p. 7.152) and those for copper and naphthalene are shown in Table 7.4.3 (D 066; p. 7.154). Although former outfall discharges had not been analyzed for other priority chemicals (e.g., 4-methylphenol, guaiacol, p-cymene), results of the RI showed that surface sediment concentrations of nearly all priority chemicals were greatest at the station located immediately adjacent to the former outfall (D 067; p. 8-6), suggesting that the kraft mill effluent contributed to the elevated concentrations of these chemicals found in the waterway area (D 066; p. 7.155).

Subsequent to the RI, Parametrix (D 067; p. 8-8) verified the presence of phenolic compounds (e.g., 4-methylphenol), phthalates, copper, and zinc in the effluent. Because the problem chemicals in the sediments and effluent were not those typically associated with a paper mill or the pulping process, the mill conducted a study and discovered that raw materials supplied to the mill had contained those unnecessary and toxic chemicals. Raw materials used in the pulping process (e.g., liquid salt cake and vanillin) were identified as major sources of methylated phenols and copper, respectively. Loadings from contaminant discharges to St. Paul Waterway are summarized in Appendix E, Table E-18 of the FS (D 067). Although limited information has been provided on the impact of contaminants

from the kraft mill to other areas, results of the RI suggest that 2-methoxyphenol has been transported from the St. Paul Waterway area to other areas of Commencement Bay (D 066; p. 6.29).

During the RI, the St. Paul Waterway area was found to be among the most biologically stressed in the tideflats. Subsequent studies conducted by Simpson led to the division of a 17-ac remediation area (a subset of the St. Paul Waterway priority area) into three parts: 1) a 5-ac area near the existing outfall with high chemical contamination and some organic debris, 2) an area to the southeast with high concentrations of organic debris and some chemical contamination, and 3) the bottom of the entrance to St. Paul Waterway with extensive organic debris (i.e., wood chips). Organic debris is present in sediments in sufficient quantities to restrict biological productivity in the St. Paul Waterway area.

Since 1985, Simpson's source control program has removed more than a million pounds of pollutants annually from the facility. Other source control actions in addition to those cited above under "OVERVIEW" include a new bleach plant with Scandinavian-type chlorine substitution technology and stock washing, and related improvements in the pulping process (CB/NT 8.7.4.2.2-0002I).

Although the kraft mill has been implicated as the primary source of contamination to the St. Paul Waterway priority area, sediment samples have not been collected at the head of the waterway to determine if drains or stormwater runoff from other sources are potential contributors of contaminants (e.g., copper) (D 066; p. 7.150). Further discussions on this topic are provided in the FS (D 067; p. 8-14).

In the 104(e) response, Simpson also provided to U.S. EPA a copy of their Consent Decree with Ecology and a summary of the administrative record providing the basis for the Consent Decree and the determinations for the St. Paul Waterway area remedial action and habitat restoration project

(CB/NT 8.7.4.2.2-002D,I). Their 104(e) response also included a summary of the project chronology, fact sheets, press releases, and water quality monitoring data for 1987 and 1988.

INSURANCE INFORMATION

Simpson Tacoma Kraft did not provide insurance information to U.S. EPA.

RECOMMENDED PRPS

Simpson Tacoma Kraft did not provide information on other PRPs.

SUMMARY

In 1985, Simpson Tacoma Kraft Company purchased the kraft mill and land adjacent to (and including) St. Paul Waterway, a priority area. The kraft mill has been determined to be a source of priority chemicals to the St. Paul priority area (D 067; p. 8-8). Therefore, Tetra Tech recommends that Simpson remain on the PRP list for St. Paul Waterway. Simpson has conducted projects to eliminate sources of contamination to the waterway and cleanup contaminated bottom sediments.

REFERENCES

CB/NT 8.7.4.2.2-0002, Attachments 0002A-W
Weiner, K.S. 29 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Preston, Thorgrimson, Ellis & Holman, Attorneys-at-Law, Seattle, WA. 3 pp. + attachments.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 128
Morson, B. 1985. Potential hazardous waste site preliminary assessment: summary memorandum dated 5/26/85 regarding St. Regis Paper Company, Tacoma, WA. Site ID D070046511. 6 pp.

D 239
Tetra Tech. 1988. Tacoma Landfill 104(e) response, written analysis of Simpson Tacoma Kraft Company. Prepared for U.S. Environmental Protection Agency Region X, Seattle, WA. Tetra Tech, Inc., Bellevue, WA. 4 pp.

Middle

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PAXPORT MILLS, INC.

OVERVIEW

Paxport Mills has operated a sawmill on the eastern shore of Middle Waterway since at least 1950. This company was originally identified as a PRP because of the proximity of the mill operation to a priority area. Review of the company's 104(e) response indicates that Paxport does not use or generate hazardous substances. As a result, Paxport Mills is not believed to be a source of contaminants to the waterway. Because Paxport has always leased this property, they do not own contaminated sediments. Paxport Mills has not operated at any other location in the CB/NT Superfund site.

FACILITY DESCRIPTION AND LOCATION

Since at least 1950, Paxport Mills has operated a sawmill at 300 Middle Waterway on approximately 13 ac, which has been leased from Simpson Tacoma Kraft Company since 1 January 1989 (CB/NT 8.7.5.5.2-0001; pp. 1, 3). Prior to 1989, the property was leased from the Uplands Corporation (CB/NT 8.7.5.5.2-0001; p. 1). Paxport Mills has not operated at any other location.

In 1950, Paxport Mills signed its first lease for the property with Oregon-Washington Railroad and Navigation Company and Union Pacific Railroad Company. Paxport Mills subleased the property to Tide Lumber Company, Inc. (CB/NT 8.7.5.5.2-0001; p. 2). From 30 November 1961 to 31 August 1966, Export Pacific, Inc. (which had been, and was later to become again, Paxport) subleased property to G. Andersen Fuel and Transfer Company. From 10 June 1966 to an unidentified date, Export Pacific subleased the property to Friesen Lumber, Inc. The present lease with Simpson, which includes some

intertidal area, covers more real property than was covered by the earlier leases and subleases referred to above (CB/NT 8.7.5.5.2-0001; p. 2). The 104(e) response letter from Union Pacific states that Paxport leased this property from Union Pacific. Mr. R. Mack (8 August 1988, personal communication), verified that Paxport Mills currently leases the property from Simpson. Available records do not indicate when Simpson acquired the land from Union Pacific, or who else may have owned the property.

Although Paxport indicated that major shoreline changes have not occurred onsite (CB/NT 8.7.5.5.2-0001; p. 3), they did reset a seawall and filled an intertidal area, which could be considered a major shoreline change (see ENVIRONMENTAL STATUS).

Paxport Mills has milled cedar, alder, and hemlock wood using an electric mill, with no steam generators or diesel-fueled fixed industrial equipment. Wood planing and wood treatment have not been conducted at this facility (CB/NT 8.7.5.5.2-0001; p. 3). Names and addresses of two individuals that could provide additional information were provided (CB/NT 8.7.5.5.2-0001; p. 5).

Mr. P. Mack (8 August 1988, personal communication) stated that Paxport Mills may sublease property along the southeastern shoreline of Middle Waterway to another company. He indicated that Paxport may lease the property from Simpson, and may use the property for log storage. Additional information will be provided by Paxport to U.S. EPA as it becomes available.

CHEMICAL USE AND DISPOSAL

Paxport Mills' industrial processes do not use or generate hazardous substances (CB/NT 8.7.5.5.2-0001; p. 3). Small amounts of petroleum and oil are used for some equipment (e.g., forklifts, trucks).

CONTACT MAILING ADDRESS

Facility Address:
Paxport Mills, Inc.
300 Middle Waterway
Tacoma, WA 98421

104(e) Respondent's Address and PRP Contact Address:
Smith, Alling, Hudson & O'Connor
403 Rainier Bank Building
1102 Broadway Plaza
Tacoma, WA 98402
Attn: Robert E. Mack

CORPORATE STATUS

Paxport Mills is a Washington corporation that was incorporated in 1950 (CB/NT 8.7.5.5.2-0001; p. 1). Paxport has no subsidiaries or other companies in which it has an interest. Original incorporators and present company owners, directors, and officers were provided (CB/NT 8.7.5.5.2-0001; p. 2). Prior to incorporation in 1950, a partnership or sole proprietorship may have operated a business at the site. Supplemental information will be provided as it becomes available.

SURFACE WATER DRAINAGE

Although Paxport stated that there were no storm drains or drainage ditches located onsite (CB/NT 8.7.5.5.2-0001; p. 4), TPCHD drainage basin maps show that surface water runoff from the property enters Middle Waterway via storm drains MD-798, MD-802, and MD-746 (D 067; p. 9-2). Effluent from these storm drains has never been analyzed (D 066; p. 7.173). Therefore, catch basins must be located onsite. Mr. P. Mack (8 August 1989, Personal Communication), visited Paxport on 4 August 1989. He located these three

outfalls and identified a fourth outfall. The purpose of the outfalls was not determined, although one outfall may discharge some type of cooling water from a refrigeration unit and one outfall (2" i.a.) discharges water from a drinking fountain. Mr. R. Mack also stated that a catch basin is located near Paxport's office building, and it drains surface water runoff from a parking area and the street to Middle Waterway.

ENVIRONMENTAL STATUS

Paxport is unaware of any spills that occurred onsite (CB/NT 8.7.5.5.2-0001; p. 3). During underground petroleum storage tank investigations, soil samples were collected onsite. Data were not provided from these studies.

In 1982, Paxport received a U.S. Army Corp of Engineers permit to reset a seawall and fill an intertidal area on the eastern shore of Middle Waterway. Loss of the intertidal area required mitigation, and a salmon enhancement area was developed near the mouth of Middle Waterway. Contrary to the permit, wood wastes and ASARCO slag were used as fill material for the enhancement area (D 066; p. 7.160). Because of potential leaching from the ASARCO slag fill, Paxport Mills was identified as a potential contaminant source in the RI (D 066; p. 7180). It is unlikely that the priority metal contaminants in Middle Waterway [i.e., mercury and copper (D 066; p. 7.174)] leached from the slag. Paxport Mills was not identified as a source in the FS (D 067).

INSURANCE INFORMATION

Paxport has requested but not received its current insurance policies from its insurance carrier. Information will be submitted at a later date (CB/NT 8.7.5.5.2-0001; p. 4).

RECOMMENDED PRPS

Potential PRPs for this site include the current property owner Simpson Tacoma Kraft and the previous property owner Uplands Corporation. Uplands did not receive a general notice letter, and Simpson's 104(e) response did not address their ownership of this property. Past lessees of this property, who have not received general notice letters, include G. Andersen Fuel and Transfer Company and Friesen Lumber (CB/NT 8.7.5.5.2-0001; p. 2). Tetra Tech cannot evaluate their role as potential source of sediment contamination without additional information.

SUMMARY

Paxport Mills is not believed to be a source of contaminants to the Middle Waterway priority area. Because Paxport has always leased this property, they do not own contaminated sediments. Based on this information, Tetra Tech recommends removing Paxport Mills from the PRP list for the Middle Waterway priority area.

REFERENCES

CB/NT 8.7.5.5.2-0001, Attachment 0001A
Mack, R.E. 25 May 1989. Personal Communication (letter to Mr. Charles E. Findley, U.S. Environmental Protection Agency Region X, Seattle, WA). Smith, Alling, Hudson & O'Connor, Attorneys, Tacoma, WA. 5 pp. + attachment.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

Mack, R. 8 August 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc. Bellevue, WA). Smith, Alling, Hudson & O'Conner, Attorneys, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PUGET SOUND PLYWOOD

OVERVIEW

Puget Sound Plywood first acquired property in the CB/NT Superfund site in 1941, when it purchased 3.3 ac of land at the end of D Street between City and Middle Waterways (CB/NT 8.7.5.7.2-0002; p. 2). This property includes approximately 0.5 ac of submerged land. Over the next 40 yr, Puget Sound Plywood purchased, sold, and leased numerous properties in the same area. Currently, they own 11.59 ac. Another 0.6 ac of Puget Sound Plywood's property is submerged land in the Mouth of City Waterway priority area (CB/NT 8.7.5.7.2-0002; p. 9). Puget Sound Plywood also currently leases 11.52 ac of mostly submerged land between City and Middle Waterway (i.e., harbor lease) from the Washington Department of Natural Resources (DNR). Sediments in the area owned or leased by Puget Sound Plywood between City and Middle Waterway have been shown to contain sediments with concentrations of priority chemicals (e.g. phenol) exceeding clean-up criteria (D 067). However, it is unclear if these properties are within the Middle Waterway priority area.

Puget Sound Plywood has been a plywood manufacturer at 230 East F Street in Tacoma since 1941. Between 1955 and 1969, "limited" quantities of rinsewater generated from cleaning phenolic resin glue spreaders were discharged to Commencement Bay (CB/NT 8.7.5.7.2-0002; p. 5). In 1977, 2,500 gal of phenolic resin was spilled into Commencement Bay and at least 200 gal were not recovered (D 086). Other contaminants have likely been discharged to Commencement Bay (D 085; Young, R., 25 June 1987, personal communication; Cummings, D., 25 November 1986, personal communication; Robb, S., 2 June 1986, personal communication; Ecology 1983). Any

contaminants spilled or discharged to Commencement Bay proper could easily migrate to either City or Middle Waterway. Phenol is a priority chemical in both waterways.

FACILITY DESCRIPTION AND LOCATION

Puget Sound Plywood currently operates on 4.71 ac (Parcel A) located at 230 East F Street in Tacoma. The majority of their manufacturing facilities, chemical storage, and offices are located on Parcel A. Puget Sound Plywood owns two other parcels located in the immediate area of Parcel A. Parcel B consists of 4.61 ac due south of Parcel A on F Street. Parcel B is used primarily for truck parking and limited storage in three small buildings. Parcel C consists of 2.27 ac south of the Superior Oil facility on City Waterway. This property is mainly vacant but is occasionally used for veneer storage (CB/NT 8.7.5.7.2-0002; p. 1). Approximately 0.6 ac of Parcel C is submerged land located in the Mouth of City Waterway priority area. Puget Sound Plywood owned an additional 5 ac (including another 0.6 ac of submerged land) north of Parcel C between 1968 and 1976, at which time that property was sold to Superior Oil.

Puget Sound Plywood has entered into numerous leases, both as lessor and lessee, since beginning operations in 1941 (CB/NT 8.7.5.7.2-0002B; pp. 3-4). Beginning in approximately 1943, they have leased from DNR up to 11.52 ac of predominantly submerged tidelands north of Parcel A. This property has been used for log storage. Between 1973 and 1983, Puget Sound Plywood leased several lots east of F Street and adjacent to Middle Waterway from Foss Launch & Tug. These properties were used for "jitney" or equipment repair, miscellaneous storage, and parking. During the period Puget Sound Plywood owned the petroleum storage facility (currently Superior Oil), they leased the facility to Northwest Petroleum.

Puget Sound Plywood has manufactured plywood at the F Street locations described above since 1941. Prior to 1980, they processed whole logs into

veneer that was used to manufacture plywood. Since 1980, veneer has been purchased and transported to the facility, where it is manufactured into plywood (CB/NT 8.7.5.7.2-0002; p. 3). The manufacturing process dries the veneer, joins and shapes narrow pieces of veneer into wide pieces, laminates (i.e., glues) layers of veneer together to form plywood, and patches and fills defects (voids) on the face of the plywood.

CHEMICAL USE AND DISPOSAL

The primary chemicals used at Puget Sound Plywood are components of the plywood glue (e.g., phenolic and urea resins, caustic soda). Other chemicals include cleaning solvents (e.g., trichloroethene), hydraulic oils, lubricants, ink, and contact adhesive (CB/NT 8.7.5.7.2-0002; p. 4). In their 104(e) response, Puget Sound Plywood provided a detailed list of the quantities and time periods each chemical was used (CB/NT 8.7.5.7.2-0002; pp. 4-8). Past inspections and complaints received by Ecology have provided information on general handling practices at the facility (D 085; Young, R., 25 June 1987, personal communication; Cummings, D., 25 November 1986, personal communication; Robb, S., 2 June 1986, personal communication). In general, there has been a history of releases of hazardous and potentially hazardous materials (e.g., waste and process chemicals) into Commencement Bay. Although the releases have been to the bay and not to City or Middle Waterways, it is likely that contaminants could have migrated the short distance from Puget Sound Plywood to either waterway. Selected examples of releases and material handling problems are detailed below:

- Between 1955 and 1969, "limited" quantities of rinsewater generated from cleaning phenolic resin glue spreaders was discharged to Commencement Bay (CB/NT 8.7.5.7.2-0002; p. 5).

- In 1977, 2,500 gal of phenolic resin was spilled into Commencement Bay and at least 200 gal were not recovered (D 086).

- In November 1986, Ecology received a complaint that glue sludge and boiler ash were being dumped onto facility soils. Also, hydraulic oil was reported to be leaking into process water and discharging to Commencement Bay (Cummings, D., 25 November 1986, personal communication).

- During an inspection in 1985, Ecology noted that the facility's oil storage areas showed evidence of oil spills. The inspector also noted that boiler ash was stored in open piles adjacent to Commencement Bay, and leachate originating from the piles was observed to be running into Commencement Bay (D 085).

CONTACT MAILING ADDRESS

Facility and Contact Address:
Puget Sound Plywood, Inc.
230 East F Street
P.O. Box 1378
Tacoma, WA 98401
(206) 627-4111
Attn: Carl R. Wiley, General Manager

CORPORATE STATUS

Puget Sound Plywood has been a cooperative corporation since 10 April 1941 (CB/NT 8.7.5.7.2-0002; p. 3). There are currently 135 shareholders, mainly employees. Ownership has changed often because employees may either keep or sell their stock on leaving the firm.

SURFACE WATER DRAINAGE

Runoff from Parcel A enters storm sewers that discharge into Commencement Bay or infiltrates into site soils (CB/NT 8.7.5.7.2-0002; p. 10). Runoff from Parcel B either infiltrates into the soil or drains to either (or both) City or Middle Waterway. Runoff from Parcel C enters directly into City Waterway.

ENVIRONMENTAL STATUS

There have been no extensive site investigations at the Puget Sound Plywood facility. Ecology apparently monitors a well on the property for the presence or lack of petroleum products, which may be migrating from Superior Oil (CB/NT 8.7.5.7.2-0002; p. 9). Puget Sound Plywood did not have access to data collected from this well. The facility has an NPDES permit (WA-000362-0) for discharge of process water (McIntosh, P., 27 December 1985, personal communication).

There are one active and eight inactive underground storage tanks (CB/NT 8.7.5.7.2-0002; p. 9) at the Puget Sound Plywood facility. The active tank is a 500-gal fuel oil tank used to supply the office furnace. The eight inactive tanks range in size from 500 to 12,000 gal and were used to store both leaded and unleaded gasoline, diesel, and fuel oil. Most of these tanks were taken out of service in 1986 and 1987, when they were filled with water. No information was provided concerning tank testing prior to abandonment or the reason for abandonment. Because of the brackish water that may have been in contact with these tanks and the fact that some of them have been in place for a long time, it is likely that some leakage of petroleum products occurred prior to tank closure.

Puget Sound Plywood had several capacitors that contained PCBs in service prior to February 1988. During a 14 July 1987 U.S. EPA inspection, a small leak in one of these capacitors was observed (CB/NT 8.7.5.7.2-0002;

p. 5). Subsequent to the inspection, all PCB capacitors were removed from service by North American Environmental. There was no indication that any of the other capacitors had leaked (CB/NT 8.7.5.7.2-0002; p. 5).

INSURANCE INFORMATION

Puget Sound Plywood carries a general liability policy. However, the copy of the policy included in the 104(e) response specifically excluded damages resulting from the release of hazardous materials (CB/NT 8.7.5.7.2-0002J).

RECOMMENDED PRPs

The only possible PRPs mentioned by Puget Sound Plywood that are not already under investigation are lessees of property owned by the company. Specifically, Eakin Oil, Dave Thomson, and Ritchie Shake Mill all leased property from Puget Sound Plywood. No information is provided as to what activities these companies or individuals did while they leased from Puget Sound Plywood.

SUMMARY

Puget Sound Plywood currently owns property near the mouth of City Waterway totaling 11.59 ac. Approximately 0.6 ac of the property is submerged land in the Mouth of City Waterway priority area (CB/NT 8.7.5.7.2-0002; p. 9). Puget Sound Plywood also currently leases 11.52 ac of mostly submerged land between City and Middle Waterway (i.e., harbor lease) from DNR.

Puget Sound Plywood has manufactured plywood at 230 F Street in Tacoma since 1941. There have been several documented releases of contaminants into Commencement Bay, including phenol-containing material. Any contaminants spilled or discharged to Commencement Bay could easily migrate

to either City or Middle Waterway. Phenol is a priority chemical in both waterways.

Because Puget Sound Plywood owns approximately 0.6 ac of the Mouth of City Waterway priority area, Tetra Tech recommends that they be added to the PRP list for the Mouth of City Waterway priority area. It is also likely that Puget Sound Plywood has contributed to sediment contamination of the Mouth of City Waterway priority area. Because they probably have contributed to sediment contamination of Middle Waterway priority area, Tetra Tech recommends that Puget Sound Plywood remain on the PRP list for Middle Waterway pending further investigation.

REFERENCES

CB/NT 8.7.5.7.2-0002, Attachments 0002A-J
Wiley, C.R. 26 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). General Manager, Puget Sound Plywood, Tacoma, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc. Bellevue, WA.

D 085
Cloud, G., B. Maibauer, and D. Fruitigers. 27 August 1985. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Puget Sound Plywood). Washington Department of Ecology, Olympia, WA, and City of Tacoma, Tacoma, WA.

D 086
Monahan, F. 5 December 1977. Personal Communication (memo to Lloyd Taylor, Washington Department of Ecology, Olympia, WA, regarding Puget Sound Plywood). Confidential. See WDOE, Olympia, WA Puget Sound Plywood file. Washington Department of Ecology, Olympia, WA.

Cummings, D. 25 November 1986. Personal Communication (environmental complaint received by Mr. David Cummings, Washington Department of Ecology, Olympia, WA, from anonymous source concerning Puget Sound Plywood). Washington Department of Ecology, Olympia, WA.

McIntosh, P. 27 December 1985. Personal Communication (letter to Mr. William Maibauer, Washington Department of Ecology, Olympia, WA). General Manager, Puget Sound Plywood, Tacoma, WA.

Robb, S. 2 June 1986. Personal Communication (environmental complaint received by Mr. S. Robb, Washington Department of Ecology, Olympia, WA, from Carl Wiley of Puget Sound Plywood). Washington Department of Ecology, Olympia, WA.

Washington Department of Ecology. Inspection report for Puget Sound Plywood. Dated 1 June 1983. Washington Department of Ecology, Olympia, WA.

Young, R. 25 June 1987. Personal Communication (letter to Mr. Richard Chamblin, Puget Sound Plywood, Tacoma, WA). Environmental Health Division, Tacoma-Pierce County Health Department, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
MARINE INDUSTRIES NORTHWEST, INC.

OVERVIEW

Since 1981, Marine Industries Northwest (Marine Industries) has conducted shipbuilding and repair operations at 313 F Street along the western shore of Middle Waterway. Between 1976 and summer 1982, Marine Industries conducted similar operations at 401 Alexander Avenue and dockside repairs at Pier 23 in Hylebos Waterway (Morris, R., 24 July 1989, personal communication). Marine Industries Northwest was identified as a PRP for Middle Waterway due to the potential for this type of operation to release paint, sandblasting, and other wastes to marine waters.

Marine Industries stated that they do not use or generate any hazardous substances in their "maintenance operations" at the Middle Waterway facility (CB/NT 8.7.5.4.2-0001; p. 2). However, sandblasting, painting, and metal-cleaning operations have been conducted at their facility, and it is well-documented that those types of activities are often a primary source of metals contamination to the marine environment (D 066; D 067). Marine Industries, as well as other maritime industries that have been located along northwestern Middle Waterway, is a potential contaminant source to Middle Waterway (D 066; D 067). This conclusion is based on the proximity of Marine Industries' facility to the waterway, documented use and generation of hazardous substances at the facility, historical practices that may have included improper handling of paints and wastes during shipbuilding and repair work, surface water runoff from the facility that may have discharged contaminants from the facility to the waterway, and the presence of elevated

concentrations of metals (particularly copper and mercury) in sediments of Middle Waterway (D 066; pp. 7.176-7.179). Concentrations of metals were elevated at the mouth of Middle Waterway with decreasing values toward the head, suggesting a major source near the mouth (D 067; pp. 9-6, 9-11).

FACILITY DESCRIPTION AND LOCATION

From spring 1976 to summer 1982, Marine Industries Northwest conducted shipbuilding and repair operations of steel ships, boats, and barges on property leased from the Port of Tacoma in the Port Industrial yard (CB/NT 8.7.5.4.2-0001; p. 1). While leasing that property, Marine Industries used Pier 23 in Hylebos Waterway for some dockside repairs (Morris, R., 24 July 1989, personal communication).

Since fall 1981, Marine Industries has conducted vessel repairs and conversions at 313 East F Street on the western shore of Middle Waterway (CB/NT 8.7.5.4.2-0001; p. 1). That property, which is leased from Foss Maritime Company, includes a portion of Lot 14 (south of the U-shaped slip) through Lot 22 (including the covered work area) (CB/NT 8.7.5.4.2-0001; Enclosure 1). The covered work area is used primarily for painting, and the marine railway is used to remove vessels from and launch vessels to the waterway. At the southern end of the marine railway, vessels remain out of the water during repair operations (e.g., painting and sandblasting) (Morris, R., 24 July 1989, personal communication). Only one vessel can be repaired on the marine railway at a time.

Prior to fall 1981, the property was leased from Foss to Peterson Boat Building Company, and prior to that was owned and operated by Foss Launch and Tug Company. Foss began their operations on Lots 7-29 in the late 1950s or early 1960s. Foss built the covered work area over a pond that had been built in the 1940s by a lumber mill for log storage (Morris, R., 24 July 1989, personal communication).

The shipbuilding and repair work conducted by Marine Industries has included machining, sandblasting, painting, and asbestos removal. Machining has been performed by Marine Industries employees, and sandblasting, painting, and asbestos removal have been performed by contractors.

CHEMICAL USE AND DISPOSAL

Marine Industries stated that they do not use any pollutants, contaminants, or hazardous substances in their operations at this facility (CB/NT 8.7.5.4.2-0001; p. 2). However, shipbuilding and repair activities that have been conducted at the facility include machining, painting, sandblasting, and asbestos removal operations. Primary routes of contamination from those types of operations include release of stored sandblasting material; deposition of spent grit; and spills, overspray, and drift of paint. Metals are often used as antifoulant additives to paint.

Local firms are contracted by Marine Industries to perform oil removal, painting, and sandblasting operations. Airo Services, Inc. and Northwest Environmental Services are contracted on a fairly regular basis to wash, clean, or remove oily wastes or cargo fuel oil from vessels and dispose of it in an approved manner. Commercial contractors (e.g., Pioneer Painting Company of Tacoma) have conducted painting operations, including sandblasting (D 225). Sandblasting grit has been transported and disposed of by the contractor (Morris, R., 24 July 1989, personal communication). Asbestos removal efforts have also been performed onsite by local contractors.

In the past 2-3 yr, Marine Industries has worked with Ecology to establish and implement best management practices (BMPs). Since that time, disposal records for waste solvents, paints, and sandblasting grit have been maintained. When questioned about practices prior to implementation of BMPs and recordkeeping practices, Mr. Robert Morris, one of the owners of the company, stated that he does not really know how materials were disposed of (24 July 1989, personal communication). Based on Mr. Morris' statement,

the lack of disposal records, and historical practices that have been documented at shipbuilding facilities in Commencement Bay, it is presumed that contaminants entered Middle Waterway from Marine Industries.

CONTACT MAILING ADDRESS

Facility Address:

Marine Industries Northwest, Inc.
313 East F Street
Tacoma, WA 98421

104(e) Respondent's Address and PRP Contact Address:

Marine Industries Northwest, Inc.
P.O. Box 1275
Tacoma, WA 98401
Attn: Robert J. Morris

CORPORATE STATUS

Marine Industries Northwest is a Washington corporation owned by Don A. Slater and Robert J. Morris (CB/NT 8.7.5.4.2-0001; p. 1). The company has been in business since January 1976 and there are no subsidiaries.

SURFACE WATER DRAINAGE

Based on Figure 9-1 of the FS, surface water runoff from the facility directly enters Middle Waterway (D 067; p. 9-2). Figure 9-4 in the FS (D 067; p. 9-10) and TPCHD storm drainage map shows that three outfalls enter Middle Waterway from the facility. No catch basins for these outfalls are shown on the TPCHD map, and in their 104(e) response, Marine Industries stated that a storm drain system has not been built onsite (CB/NT 8.7.5.4.2-0001). However, Mr. Morris (24 July 1989, personal communication) later stated that catch basins were located onsite, and that flow can be observed

in the outfalls that are located in the nearshore area adjacent to their leased property. Mr. Morris also stated that in the past year, Marine Industries was required to submit an application to Ecology for an NPDES permit for stormwater runoff because of the types of operations (i.e., ship repairs) that were conducted onsite. The status of the permit is not known.

ENVIRONMENTAL STATUS

Marine Industries stated that there have been no spills, leaks, or pipeline breaks onsite (CB/NT 8.7.5.4.2-0001; p. 2). The only investigations at the facility have been conducted in relation to Superfund activities.

INSURANCE INFORMATION

Marine Industries stated that they have several insurance policies through several carriers, and that this information can be reviewed at their office, upon request (CB/NT 8.7.5.4.2-0001; p. 2).

RECOMMENDED PRPS

Based on information provided by Marine Industries, the Peterson Boat Building Company leased property from Foss prior to Marine Industries' occupancy of the property. Peterson Boat Building should be sent a general notice letter because shipbuilding operations have been linked to sediment contamination in Middle Waterway. Prior to Peterson's lease, the property was owned and operated by Foss Launch and Tug Company.

Tetra Tech also recommends adding Marine Industries to the PRP list for Hylebos Waterway.

SUMMARY

Marine Industries' operations may have discharged potentially hazardous materials via a storm drain and nonpoint surface runoff to the Middle Waterway priority area. Based on this information, Tetra Tech recommends that Marine Industries Northwest remain on the PRP list for Middle Waterway. Marine Industries should be added to the PRP list for Hylebos Waterway because shipbuilding and repair activities were conducted at Pier 23.

REFERENCES

CB/NT 8.7.5.4.2-0001
Morris, R.J. 24 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Marine Industries Northwest, Inc., Tacoma, WA. 3 pp. + Enclosure 1.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
Tetra Tech. 1989. Commencement Bay nearshore/tideflats feasibility study. Public Review Draft, Volumes 1 and 2. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 225
Tetra Tech. 1988. Tacoma Landfill 104(e) response, written analysis of Marine Industries Northwest, Inc. Prepared for U.S. Environmental Protection Agency Region X, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

Morris, R. 24 July 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Marine Industries Northwest, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WASHINGTON BELT AND DRIVE SYSTEMS

OVERVIEW

Washington Belt and Drive Systems is a distributor of power transmission parts, and is located near the head of Middle Waterway. Washington Belt and Drive Systems has seven locations throughout Washington state. Although Washington Belt and Drive Systems was identified in the CB/NT RI as a possible source of contaminants in Middle Waterway, the company performs no activities at this facility which generate hazardous substances (CB/NT 8.7.5.10.2-0001).

FACILITY DESCRIPTION AND LOCATION

Washington Belt and Drive Systems has been located at 672 East 11th Street since it was established in 1972. The building and property are leased from H. Melvin and A. Donna Lonctot. Washington Belt and Drive is a retail and wholesale distributor of power transmission parts and handles no hazardous substances (CB/NT 8.7.5.10.2-0001).

CHEMICAL USE AND DISPOSAL

Washington Belt and Drive Systems handles no hazardous substances (CB/NT 8.7.5.10.2-0001).

CONTACT MAILING ADDRESS

Facility Address:

Washington Belt and Drive Systems, Inc.
672 East 11th Street
Tacoma, WA 98421

PRP Contact Address:

Washington Belt and Drive Systems, Inc.
2755 Airport Way South
Seattle, WA 98124
Attn: Robert A. Marcelynas, Vice President

CORPORATE STATUS

Washington Belt and Drive Systems was incorporated 4 May 1972 in Washington state, and is owned by Robert Marcelynas and Philip and Sally Hayes (CB/NT 8.7.5.10.2-0001).

SURFACE WATER DRAINAGE

Surface water from the Washington Belt and Drive facility drains to a storm drain located on East 11th Street which discharges to the head of Middle Waterway, most likely at outfall MI-200 (TPCHD 1988).

ENVIRONMENTAL STATUS

No environmental studies or cleanups are known to have taken place at this facility (CB/NT 8.7.5.10.2-0001).

INSURANCE INFORMATION

Washington Belt and Drive Systems does not carry liability insurance covering environmental releases, as the facility does not handle hazardous substances (CB/NT 8.7.5.10.2-0001).

SUMMARY

Because Washington Belt and Drive Systems handles no hazardous substances and owns no properties within priority areas, Tetra Tech recommends removing the company from the PRP list.

REFERENCES

CB/NT 8.7.5.10.2-0001

Marcelynas, R. A. 19 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Vice President, Washington Belt and Drive Systems, Inc., Seattle, WA. 2 pp.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WASHINGTON DEPARTMENT OF NATURAL RESOURCES

OVERVIEW

The Washington Department of Natural Resources (WDNR) owns contaminated sediments in the Middle Waterway priority area. WDNR manages these aquatic submerged tidelands (i.e., state waterway areas) that include all sediments in the waterway. Because WDNR did not establish harbor areas within Middle Waterway, WDNR does not administer lease agreements for any tidelands within the Middle Waterway priority area (Marshall, K., 9 August 1989, personal communication). WDNR does administer lease agreements for tidelands located adjacent to the mouth of Middle Waterway (CB/NT 8.7.4.4.2-0003; p. 21). WDNR has never conducted operations or activities on tidelands in the CB/NT Superfund site.

In a previous investigation concerning Harbor Island, WDNR mentioned that although the state owns submerged lands the improvements (e.g., fill, structures) in these areas may be owned by the lessees (e.g., the Port may own fill that was used in a harbor area) (Bortz, D., 22 December 1987, personal communication).

Information concerning the types of facilities, chemicals used and disposed of, results of environmental investigations, and surface water drainage patterns on WDNR's property is either not applicable or not available. WDNR has no knowledge regarding spills, leaks, and/or pipeline breaks of hazardous substances, pollutants, or contaminants on or around property owned by the state within the CB/NT Superfund site (CB/NT 8.7.4.4.2-0002; p. 2). Until very recently, leases issued by WDNR did not contain any

requirement that the lessee report such problems to the state, and therefore, WDNR lease files contain little or no information regarding these problems.

LESSEE INFORMATION

WDNR has not leased tidelands in Middle Waterway. WDNR provided information on the last known address for each of their lessees in the area adjacent to the Middle Waterway priority area (CB/NT 8.7.4.4.2-0002A; pp. 10-15), and supplementary information on additional lessees was provided in CB/NT 8.7.4.4.2-0003; p. 21. Although the 104(e) response (CB/NT 8.7.4.4.2-0003; p. 21) indicates that harbor areas front Blocks 33, 34, 37, and 38, that information is incorrect (Marshall, K., 9 August 1989, personal communication). Lessees of the following harbor areas fronting portions of Blocks 28, 28A, 28B, and 29 (CB/NT 8.7.4.4.2-0002A; p. 10; CB/NT 8.7.4.4.2-0003; p. 21) are listed below:

- Simpson Tacoma Kraft Company - Blocks 24-28, 28A, and 28B; transportation facility (term 1/4/86-1/5/2016).

- St. Regis Paper Company - Blocks 28 and 28B, lessees activity was not listed (term 1/5/66-1/5/2016).

- St. Paul and Tacoma Lumber Company - Blocks 28 and 28B, lessees activity was not listed (term 1/5/26-1/5/66).

- Foss Launch & Tug Company - Block 29, transportation facility, log booming, and barge moorage (term 5/15/44-5/1/96).

- Foss Launch & Tug Company - Block 29, lessees activity was not listed (term 5/15/37-1/30/43).

- Northern Pacific Railway Company - Block 29, lessees activity was not listed (term 7/1/26-1/30/43).

- City of Tacoma - Block 38, anchors and guys (term 8/5/69-indefinite).

CONTACT MAILING ADDRESS

Current Address:
Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504

104(e) Respondent's Address and PRP Contact Address:
Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504
Attn: Kathy Marshall (Lease Administrator)
Ron Teissere (Assistant Division Manager)

SUMMARY

WDNR owns contaminated sediments in the Middle Waterway priority area. Based on that information, Tetra Tech recommends that WDNR remain on the PRP list for Middle Waterway.

REFERENCES

CB/NT 8.7.4.4.2-0002, Attachments 0002A-C
Teissere, R. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 3 pp. + attachments.

CB/NT 8.7.4.4.2-0003
Marshall, K. 20 July 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 1 pp. + 32 pp. supplementary list.

Bortz, D. 22 December 1987. Personal Communication (meeting with Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. Copy not provided.

Marshall, K. 9 August 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA.

ENFORCEMENT CONFIDENTIAL
MIDDLE WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WESTERN MACHINE WORKS, INC.

OVERVIEW

Western Machine Works, Inc. has occupied several locations in the tideflats industrial district since it was founded in 1907 (CB/NT 8.7.5.12.2-0001). Past business locations discharged to the mouth of City Waterway, a priority area. Past operations, including machining and repair work, may have contributed to City Waterway sediment contamination. Western Machine Works currently uses a solvent for cleaning parts, and may have discharged hazardous substances to Middle Waterway in the past.

FACILITY DESCRIPTION AND LOCATION

Western Machine Works has been located at 666 East 11th Street, near the head of Middle Waterway, since 1923. The company was located on Dock Street from 1907 to 1918, and on East 11th Street at the east end of the 11th Street bridge from 1918 to 1923. Western Machine Works owns the property it presently occupies (CB/NT 8.7.5.12.2-0001). Western Machine Works performs repairs on various types of machines and custom-manufactures machinery on an irregular basis. Most equipment repair is performed at the customer's facility (Schmitz, A., 31 July 1989, personal communication).

CHEMICAL USE AND DISPOSAL

At the present time, Western Machine Works cleans machine parts with a mineral spirit product called Shell Sol, which is supplied and disposed of by K & L Parts Cleaners (CB/NT 8.7.5.12.2-0001). Although Arthur Schmitz has been associated with Western Machine Works for 63 years, he was unable to

describe past chemical use and disposal practices (31 July 1989, personal communication). However, priority chemicals in Middle Waterway sediments may have been used by Western Machine Works in the past.

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:
Western Machine Works, Inc.
666 East 11th Street
Tacoma, WA 98421
Attn: Arthur Schmitz, President

CORPORATE STATUS

Western Machine Works was established in 1907 as a sole proprietorship, and was incorporated in 1962. Western Machine Works is currently owned by Arthur and Wilma Schmitz and (b) (6) Philip Schmitz (CB/NT 8.7.5.12.2-0001).

SURFACE WATER DRAINAGE

Surface water from the present Western Machine Works facility discharges to the head of Middle Waterway, most likely via outfall MI-200 (TPCHD 1988). Surface water from previous Western Machine Works facilities drained to City Waterway.

ENVIRONMENTAL STATUS

No environmental studies or cleanups are known to have taken place at current or past Western Machine Works properties (CB/NT 8.7.5.12.2-0001).

INSURANCE INFORMATION

Western Machine Works has requested a copy of its general liability insurance policy and will forward this information to U.S. EPA when it is available (CB/NT 8.7.5.12.2-0001).

SUMMARY

Western Machine Works currently discharges no hazardous substances to site soils or storm sewers. However, the nature of the Western Machine Works operation indicates that hazardous substances may have been discharged to priority areas in the past. Therefore, Tetra Tech recommends that Western Machine Works remain on the PRP list pending further evaluation.

Although information obtained from Arthur Schmitz (31 July 1989, personal communication) was not applicable to the investigation of this facility, Mr. Schmitz has worked in the tideflats industrial district for 63 yr, and may prove a valuable source of historical information for the CB/NT Superfund site as a whole.

REFERENCES

CB/NT 8.7.5.12.2-0001, Attachment A
Schmitz, A. 23 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). President, Western Machine Works, Inc., Tacoma, WA. 2 pp. + attachments.

Schmitz, A. 31 July 1989. Personal Communication (phone by Mr. John McClellan, Tetra Tech, Bellevue, WA). President, Western Machine Works, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

City

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
BRANDRUD FURNITURE

OVERVIEW

Harmon Cabinets, a division of Brandrud Furniture, is located at 1933 Dock Street on the west bank of the head of City Waterway (TPCHD 1988). Brandrud has manufactured industrial furniture and cabinets at this location since September 1986. From 1960 to September 1986, Harmon Cabinets was owned by Coastcraft, Inc. (CB/NT 8.7.7.7.20-0001; p. 2). In April 1986, the Tacoma Pierce County Health Department received an anonymous complaint that Coastcraft, Inc. dumped phenolic wastes into City Waterway. The complaint was followed up by an investigation which resulted in soil sampling near an outfall under property buildings (D 045). The analysis of these samples was found to contain 3.15 ppm dry weight total phenol (D 046). Phenol is a priority chemical in City Waterway. Surface water runoff from the property also enters City Waterway (TPCHD 1988).

FACILITY DESCRIPTION AND LOCATION

Brandrud manufactures wood office furniture. The manufacturing process includes the cutting, sanding, gluing and finishing of hard and soft woods, and the manufacturing of a limited amount of plastic laminate furniture (CB/NT 8.7.7.7.20-0001; p. 1).

Brandrud operates at 1933 Dock Street, on the west side of City Waterway. This property, together with facility improvements, are leased by Brandrud from Coastcraft, Inc. (CB/NT 8.7.7.7.20-0001; p. 1). Brandrud has occupied the property as a tenant since September 8, 1986. Prior to Brandrud, the property was occupied by Harmon Cabinets, Inc., a division of

Coastcraft, Inc. (CB/NT 8.7.7.7.20-0001; p. 2). The property is located between Dock Street and City Waterway and bordered on the south by a vacant lot and on the north by a vacant warehouse (CB/NT 8.7.7.7.20-0001; p. 1). Prior to September 1986, Brandrud has not owned, occupied, or leased any property in the CB/NT Superfund site (CB/NT 8.7.7.7.20-0001; p. 2).

Brandrud stated that the property list provided in the 104(e) response letter is accurate. However, Coastcraft, Inc., not Harmon Cabinets, is the true owner of the property (CB/NT 8.7.7.7.20-0001; p. 2).

CHEMICAL USE AND DISPOSAL

Brandrud states that the products used in its manufacturing process include stains, finishes, solvents, and glues which are chemically stable under normal conditions (CB/NT 8.7.7.7.20-0001; p. 3). Certain pieces of equipment are cleaned with solvents and thinners. Brandrud does not use oil or petroleum products in their manufacturing process. Brandrud provided a copy of the Materials Safety Data Sheet for all materials used in their manufacturing and maintenance processes (CB/NT 8.7.7.7.20-0001A-CC). Brandrud "vigilantly" monitors the process, storage and disposal of these products for leaks, spills or unintended disposal. The products used are kept in their original containers until needed and any products needing to be stored are maintained in a small concrete block enclosure (CB/NT 8.7.7.7.20-0001; p. 3).

Brandrud uses the products continuously throughout its operation in the assembly and finishing of its product. A maximum of 55 gal of waste is accumulated at any time, with approximately 420 lb of waste product generated per quarter, including approximately 5 gal of non-recyclable sludge (CB/NT 8.7.7.7.20-0001; p. 4). The waste products are not stored for long periods of time, generally not in excess of 15 days (CB/NT 8.7.7.7.20-0001; p. 4). The 55-gal drums of recyclable wastes are collected by Sol-Pro, Inc. and recycled locally (CB/NT 8.7.7.7.20-0001; p. 4). The remaining 5 gal of

non-recyclable sludge are transported to Sistek in Fredonia, Kansas for incineration (CB/NT 8.7.7.7.20-0001; p. 4).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:
Brandrud Furniture, Inc.
1933 Dock Street
Tacoma, WA 98402
ATTN: Brad Hungerford, Safety Director
Mark Whitman, Vice President

CORPORATE STATUS

Brandrud Furniture bought Harmon Furniture, a division of Coastcraft, on 10 September 1964. Brandrud acquired the equipment and raw material inventory from Coastcraft, Inc. and, on 5 September 1986, began operations at the Dock Street location. At the time Brandrud purchased the assets from Coastcraft, Inc., it also purchased the "Harmon" name. Brandrud does not have interest in any other subsidiaries or companies (CB/NT 8.7.7.7.20-0001; p. 2).

Brandrud Manufacturing Company, Inc. was incorporated 21 December 1964 and was originally owned by Harold T. Brandrud, Jeanne M. Brandrud, and Douglas Carmichael. The name of the corporation was changed to Brandrud Furniture, Inc. on 15 May 1981. All stock from the corporation was purchased on 10 September 1976 by James and Ann Wibory and Lawrence and Mary Green. The current officers of Brandrud are Lawrence J. Green (President/Treasurer), Mark Whitman (Vice President), and James A. Morton (Secretary). The Directors are James W. Wiburg, Lawrence Green, and James Morton. In 1987, Mark Whitman acquired a small minority interest in the corporation.

SURFACE WATER DRAINAGE

Surface water from the Brandrud facility runs into City Waterway (TPCHD 1988). Brandrud states that other than through visual inspection, they have no knowledge as to water drainage, storm drains, ditches, or discharges to City Waterway (CB/NT 8.7.7.7.20-0001; p. 5). Generally, surface water drains easterly towards City Waterway due to a gradual easterly slope of the property. There is one catch basin in the middle of the driveway that is apparently non-functional (CB/NT 8.7.7.7.20-0001; p. 5).

ENVIRONMENTAL STATUS

Brandrud Furniture does not appear to have an impact on City Waterway. Brandrud states it has not suffered a spill of any hazardous waste on the property, nor has it conducted any environmental clean-ups since acquiring the facility in 1986 (CB/NT 8.7.7.7.20-0001; p. 4). However, the practices of the previous owner (Coastcraft, Inc.) and the results of the soil sampling conducted in April 1986 should prompt further investigation. In April 1986, TPCHD collected a soil sample approximately 8 ft from a white pipe that discharged under buildings on the property. The sample consisted of the top 3 cm of surface material (a wet silt mixture). The sample was found to contain 3.15 ppm dry weight total phenol (D 045, D 046).

INSURANCE INFORMATION

Brandrud does not have insurance coverage for losses resulting from hazardous wastes (CB/NT 8.7.7.7.20-0001; p. 6).

RECOMMENDED PRPS

Brandrud Furniture identified Coastcraft, Inc. as a PRP. Coastcraft has already been identified as a PRP for City Waterway.

SUMMARY

The Harmon Cabinet/Brandrud Furniture facility has been determined to be contaminated with phenols, and possibly other potentially hazardous materials. The current operator, Brandrud Furniture, appears to use chemical handling procedures that would minimize spills and environmental releases. Tetra Tech recommends that Brandrud be deleted from the PRP list, and that Coastcraft, as property owner and former owner of Harmon Cabinets, remain on the list.

REFERENCES

CB/NT 8.7.7.7.20-0001, Attachments 0001A-CC
Dale N. Schuman. 1 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). One of the attorneys for Brandrud Furniture, Inc., Tacoma, WA. 6 pps + attachments.

D 045
Hanowell, R. 6 May 1986. Personal Communication (letter to Mr. Bill Backous, Washington Department of Ecology, Olympia, WA, regarding Harmon Cabinets). Tacoma-Pierce County Health Department, Tacoma WA. 1 p.

D 046
Reinhart, A. 30 April 1986. Analysis report for laboratory sample number 104949 to R. Hanowell, Tacoma-Pierce County Health Department, Tacoma, WA. Am-Test, Inc., Seattle, WA. 1 p.

D 047
Oberlander, J. 23 October 1980. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Harmon Cabinets). Washington Department of Ecology, Olympia, WA. 1 p.

Tacoma Pierce County Health Department. 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD, Tacoma, WA.

Tetra Tech. 1988b. Tacoma Landfill 104(e) response written assessments. Prepared for U.S. Environmental Protection Agency Region X, Seattle, WA. Tetra Tech, Inc., Bellevue, WA. 450 pp.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
MARINE IRON WORKS, INC.

OVERVIEW

Marine Iron Works, Inc. has operated a machine shop near the mouth of City Waterway, a priority area, since 1941. Facility storm drains discharge to City Waterway. This facility was identified as a PRP because past operations may have discharged potentially hazardous materials to City Waterway. No plating or painting is done at this facility and no priority chemicals are currently used at Marine Iron Works. The only hazardous wastes presently generated at Marine Iron Works include 1,1,1-trichloroethane (TCA) sludge, which is disposed of by Chemical Processors, Inc.; and neutral salts (primarily sodium nitrite), which are disposed of by Chem-Security Systems, Inc., Arlington, OR (CB/NT 8.7.7.11.2-0001).

FACILITY DESCRIPTION AND LOCATION

Marine Iron Works leases a portion of a 2.5-ac facility, located at 1120 East D Street near the mouth of City Waterway. The property is owned by Mr. Harvey M. Petrich, (b) (6) two of the owners of Marine Iron Works. The property was previously owned by Mr. Martin A. Petrich, Sr., Harvey Petrich's (b) (6) Marine Iron Works has operated at the same location since it was established 1 July 1941, and machines castings, forgings, and solids of aluminum, steel, and titanium (CB/NT 8.7.7.11.2-0001). Marine Iron Works also performs heat treating on steel parts (Petrich, M., 28 July 1989, personal communication).

The remainder of the property is occupied by Petrich Marine Charters, Inc., and by Drury and Petrich, Inc. (CB/NT 8.7.7.11.2-0001). No information

was available regarding Drury and Petrich, Inc. in Marine Iron Work's 104 (e) response. Approximately 0.4 ac of the 2.5-ac parcel is submerged lands, between the pierhead and bulkhead lines on City Waterway (REIL 1988).

CHEMICAL USE AND DISPOSAL

Metal chips are generated during the machining process and are recycled by scrap metal dealers, primarily Joseph Simon and Sons, Tacoma. Acetone and toluene (1 to 1.5 gal/yr) are used for parts cleaning in the assembly department. Cotton swabs used to apply the solvents are disposed of after the solvent residue has been allowed to evaporate. Marine Iron Works has operated a vapor degreaser, utilizing 1,1,1-TCA, since mid-1975. Waste TCA and sludges are removed approximately biannually by Airo Services and disposed of by Chemical Processors, Inc., Tacoma. Waste neutral salts used in the heat-treating process are disposed of annually at Chem-Security Systems, Inc., Arlington, OR (CB/NT 8.7.7.11.2-0001). Non-hazardous coolants and cutting oils are used during machining, and are recycled on-site. Sludges generated by recycling are collected by Ellison Machinery of Kent, WA (Petrich, M., 28 July 1989, personal communication). The 104(e) response describes only current chemical use and disposal practices; no information is available concerning past practices.

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:

Marine Iron Works, Inc.
1120 East D Street
Tacoma, WA 98421
Attn: Martin Petrich, President

CORPORATE STATUS

Marine Iron Works, a closely held corporation, was incorporated 1 July 1941. The company's current owners and directors are listed in the 104(e) response. The property was initially owned by Mr. Martin A. Petrich, Sr., who is (b) (6) the current landowner and is also (b) (6) two of the company owners (CB/NT 8.7.7.11.2-0001). It is not clear if Martin Petrich, Sr. initially owned the company.

SURFACE WATER DRAINAGE

Surface water run-off, non-contact condensate from an air-compressor, and non-contact cooling water for the heat treatment electrodes discharge to storm drains (CB/NT 8.7.7.11.2-0001). Discharges drain via facility storm drains either to outfall CI-740 or CI-745, on City Waterway (TPCHD 1988).

ENVIRONMENTAL STATUS

No environmental studies or cleanups have been undertaken specifically at the Marine Iron Works site. No spills or leaks at the Marine Iron Works site were identified in the 104(e) response (CB/NT 8.7.7.11.2-0001).

INSURANCE INFORMATION

Marine Iron Works currently holds a general liability insurance policy with Atlantic Mutual (No. 480-00-00-42). Previous policy information can be obtained from the company's insurance broker, Doug Dyckman of Persing, Dyckman, and Toynbee, Tacoma. It is not known whether this policy provides coverage for damages resulting from environmental releases.

RECOMMENDED PRPs

Adjacent to Marine Iron Works on the Harvey M. Petrich property are two businesses, Petrich Marine Charters, and Drury and Petrich, Inc., which have not been previously identified as PRPs for City Waterway (CB/NT 8.7.7.11.2-0001A). Neither company was investigated in the course of this study, and without additional information regarding these operations, Tetra Tech recommends they be left off the PRP list.

SUMMARY

Marine Iron Works has been in operation since 1941, and has used a variety of hazardous chemicals which may have discharged to soils or storm drains in the past. However, current operations at Marine Iron Works do not appear to have contributed to sediment contamination in City Waterway. Because past operations may have contributed to waterway contamination, Tetra Tech recommends that Marine Iron Works remain on the PRP list for City Waterway, pending further evaluation.

REFERENCES

CB/NT 8.7.7.11.2-0001, Attachments A-F

Petrich, M. 24 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA, Region X, Seattle, WA). President, Marine Iron Works, Inc., Tacoma, WA. 4 pp. + attachments.

Petrich, M. 28 July 1989. Personal Communication (phone by Mr. John McClellan, Tetra Tech, Inc., Bellevue, WA). President, Marine Iron Works, Inc., Tacoma, WA.

Tacoma-Pierce County Health Department (TPCHD). 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

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CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
OREGON-WASHINGTON RAILROAD AND NAVIGATION

The Oregon-Washington Railroad & Navigation (OWR&N) was formerly a wholly-owned subsidiary of Union Pacific Railroad Company (CB/NT 8.7.5.9.2-0001). The OWR&N was merged into Union Pacific Railroad Company on 30 December 1987, and no longer exists as a corporate entity. Union Pacific's 104(e) responses incorporate by reference all former OWR&N operations. Therefore, comments concerning OWR&N operations and properties are included in the draft PRP evaluation of Union Pacific Railroad. Tetra Tech recommends deleting Oregon-Washington Railroad and Navigation from the PRP list.

REFERENCES

CB/NT 8.7.5.9.2-0001
Roberts, N. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Union Pacific Railroad Company, Law Department, Omaha, NE.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PARKER PAINT

OVERVIEW

Parker Paint is a paint manufacturer, distributor, and retailer which began operations in 1952. Parker Paint is located in Tacoma, approximately 2 mi west of City Waterway. Parker Paint was identified as a PRP for Head of City Waterway because the company uses a variety of potentially hazardous materials and spilled materials can enter City Waterway. Two significant spills have occurred at this facility. In the winter of 1980, 100 gal of alkyd resin spilled onto site soils. This spill was contained and cleaned up. In September 1986, 200 gal of titanium dioxide pigment were spilled, a large part of which reached City Waterway. Ecology supervised cleanup (CB N/T 8.7.7.17.2-0001). Although titanium dioxide is not a priority chemical for City Waterway, the incident demonstrates that materials spilled at Parker Paint can reach City Waterway via storm drains.

FACILITY DESCRIPTION AND LOCATION

Parker Paint occupies approximately 4.3 ac at 3226 South Junett Street in Tacoma. Parker Paint began operations in a smaller facility at the same location in 1952. In 1971, Parker Paint purchased the Johnson Paint Company. In 1978, they acquired Standard Iron Works. Both facilities were located adjacent to the original Parker Paint facility (CB N/T 8.7.7.17.2-0001). The properties identified as being owned by Parker Paint in its 104(e) response coincide with those identified in the general notice letters.

CHEMICAL USE AND DISPOSAL

Parker Paint uses a wide variety of chemicals in paint manufacturing, including pigments, solvents, thinners, resins, dispersants, surfactants, defoamers, and thickeners. Waste streams include washwaters, mineral spirit and lacquer thinner wash solvents, and solid wastes. Washwater is generated by latex paint manufacturing and canning. The washwater is collected in tanks, where solids are allowed to settle. The washwater is then either reused in the process or disposed of offsite. The settling process generates solids, which are either reused in the manufacturing process or disposed of offsite. Mineral spirit wash solvents are collected in tanks and recycled. Lacquer thinner wash solvents are either recycled in a still onsite or disposed of offsite; still sludges are disposed of offsite (CB N/T 8.7.7.17.2-0001). Prior to 1981, latex washwater settling tank sludges were disposed of at the City of Tacoma landfill. All wastes not currently recycled are disposed of through licensed treatment, storage, and disposal facilities or discharged to the tideflats sewage treatment plant (CB N/T 8.7.717.2-0001) (D084).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:

Parker Paint Manufacturing Company, Inc.
3326 South Junett
Tacoma, WA 98409
Attn: Ron Wade, Manufacturing/Distribution Manager

CORPORATE STATUS

Parker Paint Manufacturing Company, Inc. began operations in 1952. In June 1982, Parker Paint was purchased by Reed Holdings, Inc. In July 1987, Parker Paint was purchased by Williams Holdings, Inc., of which it is now a subsidiary (CB N/T 8.7.7.17.2-0001).

SURFACE WATER DRAINAGE

Surface water at the Parker Paint facility drains to city storm drains and eventually to a 96-in outfall (CI-237) near the head of City Waterway (CB N/T 8.7.7.17.2-0001, 0001A).

ENVIRONMENTAL STATUS

In the winter of 1980, Parker Paint spilled approximately 100 gal of an alkyd resin from an underground storage tank line. The contamination was cleaned up, and the material was either disposed of or recycled. In September 1986, a recirculation line on a titanium dioxide slurry bulk storage tank broke, releasing approximately 200 gal of material to the storm drain. Most of this spill reached City Waterway. Cleanup was overseen by Ecology and the contaminated water was either disposed of or recycled (CB N/T 8.7.7.17.2-0001). Parker Paint has been the subject of a number of routine environmental regulation compliance inspections by Ecology and U.S. EPA. Parker Paint apparently addressed areas of noncompliance within acceptable time periods. In an inspection report dated February 1982 (D 084), Ecology identified Parker Paint as a probable source of solvents and thinners in City Waterway.

INSURANCE INFORMATION

Parker Paint holds a liability insurance policy with Wausan Insurance Company (No. 1528-00-072849), which is administered by their broker, Alexander and Alexander of Boston, MA. Copies of this policy are available upon request (CB N/T 8.7.7.17.2-0001). It is not known if the policy provides liability coverage for environmental damages.

RECOMMENDED PRPs

Parker Paint does not discuss PRPs who are not already included in the PRP lists in their 104(e) response.

SUMMARY

Parker Paint was probably a source of solvent discharges to City Waterway in the past (D 084). Therefore, Tetra Tech recommends that Parker Paint remain on the PRP list.

REFERENCES

CB N/T 8.7.7.17.2-0001, Attachments A-B
Wade, R. 15 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Manufacturing/Distribution Manager, Parker Paint Manufacturing Company, Inc., Tacoma, WA. 7 pp. + attachments.

D 084
Abercrombie, W., and S. Marek. 2 February 1982. Personal Communication (inspection report to Washington Department of Ecology, Olympia, WA, regarding Parker Paint). Washington Department of Ecology, Olympia, WA, and Tacoma-Pierce County Health Department, Tacoma, WA. 4 pp.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PICKERING INDUSTRIES, INC./PICK'S COVE MARINA

OVERVIEW

Pickering Industries, Inc. has occupied property on the east bank of the head of City Waterway, a priority area, since 1970. Pick's Cove Marina, a subsidiary of Pickering Industries, has shared the site since 1980. Pickering Industries has discharged glue washwaters, and Pick's Cove Marina has discharged boat repair washwaters containing elevated levels of lead and mercury, to the head of City Waterway in the past, and are believed to be a source of metals to waterway sediments. (D 041). Pick's Cove Marina is included in Pickering Industries 104(e) response.

FACILITY DESCRIPTION AND LOCATION

Pickering Industries has been located at 2102 East D Street on the east bank of City Waterway since 1970. The company initially leased space from Ross Lumber and eventually purchased that property. Prior to 1977, Pickering Industries purchased adjacent properties from Foss Tug on two different occasions. Pickering Industries parcels amount to 2.3 ac, half of which is leased to Pick's Cove Marina. Approximately 0.25 ac of the facility consists of submerged lands. Pickering Industries also leases approximately 1 ac of City Waterway adjacent to its property from Washington State Department of Natural Resources, which is used by Pick's Cove Marina for boat moorage (CB/NT 8.7.7.18.2-0001).

Originally a wholesaler of plywood products, Pickering Industries began manufacturing decorative laminates (decorative papers bonded to plywood and

particle-board substrates) in 1972. The resin-saturated papers (manufactured elsewhere), are bonded to plywood panels in a hotpress and shipped to cabinet manufacturers (CB/NT 8.7.7.18.2-0001).

Pick's Cove Marina was established by Pickering Industries in 1977 and began operations in 1980. Pick's Cove Marina leases boat slips and is owned by Pickering Industries. Maintenance and repair activities are carried out on the property by marina employees and boat owners. Pressure washing, sandblasting, fiberglass repairs, and painting are all performed at the marina (CB/NT 8.7.7.18.2-0001).

CHEMICAL USE AND DISPOSAL

Pickering Industries uses a biodegradable, water-based contact adhesive in the manufacture of laminates. Adhesive washwaters are disposed of in Tacoma sanitary sewer. The adhesive itself is biodegradable and has been approved as non-hazardous by the Tacoma-Pierce County Health Department (CB/NT 8.7.7.18.2-0001).

Sandblasting sand and residue from operations at Pick's Cove Marina is swept up and disposed of at the Tacoma landfill, as are all other boat repair and maintenance waste materials. However, some materials may reach the storm sewer system. An analysis of material from a facility storm drain by the Tacoma Sewer Utility indicated elevated levels of heavy metals (particularly lead and mercury) have been discharged to City Waterway (D 041); lead and mercury are common constituents in marine paints. Pick's Cove Marina also maintains tanks for used oil, which are drained by Associated Petroleum or South Center Oil Company and recycled. These oil tanks are used by marina employees and tenants. Underground tanks were installed for diesel, leaded, and unleaded gasoline storage when the marina was constructed (CB/NT 8.7.7.18.2-0001).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:

Pickering Industries, Inc./Pick's Cove Marina
2102 East D Street
Tacoma, WA 98421
Attn: Gordon Pickering, President

CORPORATE STATUS

A Washington corporation, Pickering Industries incorporated in 1969 and began operations at its present location in 1970. All the company's voting stock is owned by Gordon Pickering and (b)(6) Pick's Cove Marina was incorporated in Washington in 1977 and is a wholly owned subsidiary of Pickering Industries (CB/NT 8.7.7.18.2-0001) (see Overview).

SURFACE WATER DRAINAGE

Outside areas at Pickering Industries and Pick's Cove Marina are surfaced with asphalt, and surface waters drain to facility storm drains. Mr. Pickering has stated that contaminants from spills on his property would enter the storm sewer system, but does not believe storm sewers drain to City Waterway (CB/NT 8.7.7.18.2-0001), but rather to the sewage treatment plant. However, Tacoma storm sewer maps (TPCHD 1988) indicate drainage from the Pickering property discharges to City Waterway outfalls CI-243,-244, and 743 via storm drains.

ENVIRONMENTAL STATUS

No environmental studies or cleanups are known to have taken place at Pickering Industries or Pick's Cove Marina. However, Tacoma-Pierce County Health Department has monitored storm drains at this facility. An analysis of storm drain sediments from Pickering Industries property indicated heavy

metals, particularly lead and mercury (which are priority chemicals for City Waterway), have been discharged to City Waterway by Pick's Cove Marina (D 041). Concentrations of lead and mercury both exceeded Washington states limits for dangerous wastes.

City Waterway was dredged during construction of the marina, and dredge spoils were disposed of offsite. The disposal location is apparently not known by Pickering Industries but dredging oversight was conducted by the U.S. Army Corps of Engineers and the State of Washington (CB/NT 8.7.7.18.2-0001).

INSURANCE INFORMATION

Specific information concerning the Pickering Industries' insurance policy can be obtained from Mr. George Fleming of Bratrud Middleton in Tacoma (CB/NT 8.7.7.18.2-0001). It is not known if Pickering Industries' insurance policy provides liability coverage for damages resulting from environmental releases.

RECOMMENDED PRPs

Pickering Industries owns property which was previously owned by Foss Tug, which is now Foss-Dillingham. Although Foss-Dillingham is a listed PRP for Middle Waterway, information should be obtained regarding their past operations on City Waterway.

SUMMARY

Pickering Industries discharges glue washwaters to City Waterway, and has allowed boat maintenance and repair wastes from Pick's Cove Marina, containing heavy metals, to discharge to the waterway as well. Therefore, Tetra Tech recommends that Pickering Industries remain on the PRP list for

City Waterway. As Pick's Cove Marina is included in Pickering Industries' 104 (e) response, the marina should not be added separately to the PRP list.

REFERENCES

CB/NT 8.7.7.18.2-0001, Attachments A-C
Pickering, G. 30 May 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). President, Pickering Industries, Inc., Tacoma, WA. 5 pp. + attachments.

D 041
Price, M. 17 August 1987. Personal Communication (letter to Mr. Gordon Pickering, Pickering Industries, Tacoma, WA). City of Tacoma, Sewer Utility Division, Tacoma, WA. 2 pp.

Tacoma-Pierce County Health Department. 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
SUPERIOR OIL COMPANY

OVERVIEW

Superior Oil Company (Superior) has owned approximately 5 ac of land near the mouth of City Waterway since 6 April 1976. This property includes 0.6 ac of submerged land beneath mean lower low water level within the City Waterway priority area (CB/NT 8.7.7.20.2-0002; p.1). Between March 1977 and the present, Superior has conducted bulk petroleum storage and fuel mixing operations at this location. Similar operations have been conducted at this location since 1925 (CB/NT 8.7.7.20.2-0002; p.1). Superior has observed floating petroleum layers in groundwater monitoring and recovery wells (CB/NT 8.7.7.20.2-0002; p.5) and has reportedly discharged wastewater exceeding permit levels for oil and grease to City Waterway (D 114). Many of the petroleum products handled by Superior and present in wastewater discharges and groundwater contain PAH compounds, priority chemicals for the mouth of City Waterway priority area. However, petroleum products are not classified as a hazardous substance based on the "petroleum exclusion" within CERCLA Sections 101(14) and (33).

FACILITY DESCRIPTION AND LOCATION

Superior owns and operates a bulk petroleum storage facility located at 250 D Street in Tacoma, near the mouth of City Waterway. The main activity conducted at this location is petroleum storage. The facility contains 15 storage tanks with a total capacity of 358,000 bbl (15 million gal). Superior receives product by truck, rail, the Olympic Pipeline, and ships, which unload at the facility's 560-ft dock on City Waterway. Product is

shipped out by similar means. Some product mixing is conducted, primarily blending additives into gasoline.

The 5-ac facility was originally built in 1925 by Tide Water Associated Oil Company. Phillips Petroleum owned and operated the facility for an unknown period of time ending in the mid- to late 1960s (CB/NT 8.7.7.20.2-0002; p.1), when the facility was purchased by Puget Sound Plywood. Puget Sound Plywood sold the property to Superior on 6 April 1976.

Beginning in February 1969, Puget Sound Plywood granted a lease to Northwest Petroleum Inc., who was the sole operator of the petroleum storage facility at that time. When Superior purchased the property on 6 April 1976, they replaced Puget Sound Plywood as lessor. When Superior first began operations at the facility in March 1977, the existing lease with Northwest Petroleum was terminated and replaced with one for only a portion of the storage facility. This replacement lease was terminated in January 1979, leaving Superior as the sole operator at the facility (CB/NT 8.7.7.20.2-0002; pp.1-2).

Since September 1976, Superior has leased approximately 0.2 ac of submerged land, located northwest of the terminal, from the Washington Department of Natural Resources (CB/NT 8.7.7.20.2-0002; p.3). This lease will be in effect until January 2012. This small parcel contains the northern third of the unloading terminal.

CHEMICAL USE AND DISPOSAL

The vast majority of products handled by Superior are petroleum products consisting of refined crude fractions such as gasoline and diesel (Henderson, T., 27 July 1989, personal communication). Superior does not have knowledge of the specific types of products stored by previous owners and operators (e.g., Phillips, Tide Water). Superior handles several chemicals classified as hazardous substances under CERCLA. These chemicals

are components of fuel additives and include methyl alcohol, n-butyl alcohol, tetraethyl lead, ethylene dibromide, ethylene dichloride, miscellaneous amine compounds, xylene, and toluene (CB/NT 8.7.7.20.2-0002; pp.3-4). Aluminum sulfate was used onsite between 1976 and 1981 as part of the firefighting system. Also, several pieces of high voltage electrical equipment containing PCBs were in operation at the facility until 1987 (CB/NT 8.7.7.20.2-0002; p.4).

Wastes generated by Superior have consisted mainly of wastewater from cleaning tanks that contained fuel additives. Washwater from cleaning tanks containing methyl and n-butyl alcohol was collected and transported by truck to Crosby and Overton in Kent, WA for treatment and disposal (CB/NT 8.7.7.20.2-0002; p.4). When a new firefighting system was installed in 1981, excess aluminum sulfate was given to St. Regis for use in their kraft mill. In 1987, the PCB-containing electrical equipment was removed and disposed of by North American Environmental (CB/NT 8.7.7.20.2-0002; p.5).

CONTACT MAILING ADDRESS

Facility Address:

Superior Oil Company
250 East D Street
Tacoma, WA 98401
(206) 927-7300
Attn: Terrill L. Henderson, Corporate Counsel

CORPORATE STATUS

Superior Oil Company is a Washington corporation and a wholly owned subsidiary of Time Oil Company (CB/NT 8.7.7.20.2-0002, p.2). Although Superior was incorporated on 19 September 1945, it did not begin operations until April 1976 when it purchased the facility at 250 D Street (Henderson, T., 27 July 1989, personal communication). Between 1945 and 1976, Superior

was maintained as a shell corporation by the owners of Time Oil and performed no operations.

On 13 April 1976, Time Oil sold all shares of Superior to Westoil Terminals Company (CB/NT 8.7.7.20.2-0002, p.2). Superior representatives indicated that Westoil Terminals and Time Oil had several common shareholders (Henderson, T., 27 July 1989, personal communication). On 4 October 1984, Westoil Terminals sold all shares of Superior back to Time Oil. Time Oil is the current owner of all Superior stock.

SURFACE WATER DRAINAGE

Surface water runoff from the Superior facility is collected in an oil/water separator that discharges into City Waterway under NPDES Permit WA-003950-1 (CB/NT 8.7.7.20.2-0002; p.3). Both Ecology and Tacoma-Pierce County Health Department have monitored the NPDES discharge and found violations of pH (pH=10.1 on at least one occasion) and of oil and grease limitations (D 114).

ENVIRONMENTAL STATUS

Superior has installed eight monitoring and recovery wells onsite (CB/NT 8.7.7.20.2-0002; p.5). Floating petroleum product has been detected in four of the wells. Analysis indicates that the material consists of gasoline and diesel with smaller amounts of heavy oil. One of the wells near the center of the property has been operated for the past 4 yr as a recovery well. Both product and water recovered in this well are "disposed" of through the oil/water separator. Superior has not maintained records indicating the total amount of water or product pumped from the recovery well (Henderson, T., 27 July 1989, personal communication).

Prompted by a lawsuit brought by Globe Manufacturing Company concerning offsite migration of petroleum product from the numerous bulk petroleum

facilities in the area, Superior contracted with a private consultant to ascertain if petroleum product was indeed migrating from the Superior facility (Henderson, T., 27 July 1989, personal communication). The results of the investigation indicated that there was no significant offsite migration (CB/NT 8.7.7.20.2-0002E). Superior was subsequently dropped as a defendant in the lawsuit (Henderson, T., 27 July 1989, personal communication).

During the removal of PCB-containing electrical equipment by North American Environmental in 1987, a spill occurred (CB/NT 8.7.7.20.2-0002, p.5). An unknown quantity of PCB oil spilled onto a concrete pad and the surrounding soil. Approximately 3,420 lb of contaminated soil and concrete was removed and disposed of by North American Environmental (CB/NT 8.7.-7.20.2-0002C).

INSURANCE INFORMATION

Superior provided a list of insurance policies in effect from April 1976 to date, but did not indicate if any or all of these policies provided coverage for costs incurred by Superior in connection with the CB/NT Superfund site (CB/NT 8.7.7.20.2-0002, p.6).

RECOMMENDED PRPs

Superior identified three previous owners of the property (including submerged land): Tide Water Associated Oil, Phillips Petroleum, and Puget Sound Plywood (CB/NT 8.7.7.20.2-0002, p.1). Tide Water and Phillips have not been previously identified as PRPs for this waterway. Puget Sound Plywood has been identified as a PRP for Middle Waterway. Also, Superior indicated that Puget Sound Plywood still owns property on City Waterway just to the south of the Superior facility (Henderson, T., 27 July 1989, personal communication). This ownership was confirmed by Puget Sound Plywood in their 104(e) Response.

Superior currently leases approximately 20,000 ft^2 of submerged land in City Waterway (i.e., priority area) from the Washington Department of Natural Resources (DNR) (CB/NT 8.7.7.20.2-0002, p.1). DNR has been identified as a PRP in several waterways, including City Waterway. Superior also identified Northwestern Petroleum Inc. as a former lessee and operator of the storage facility.

SUMMARY

Superior Oil owns approximately 5 ac of land near the head of City Waterway, including 0.6 ac of submerged land that is in a priority area. For this reason, Superior should remain on the PRP list for City Waterway. It is also probable that Superior or previous operators have contributed to sediment contamination (e.g., LPAH). However, most if not all of this potential contamination would be the result of spilled petroleum products (not waste), which are not classified as a hazardous substance based on the "petroleum exclusion" within CERCLA Sections 101 (14) and (33). Therefore, Superior's liability may be limited to that of an owner of submerged priority area.

Other parties identified by Superior that should be added to the PRP list for City Waterway include Tide Water Associated Oil and Phillips Petroleum Inc. (past owners and operators of the property), and Puget Sound Plywood, a past owner of the property and the current owner of additional properties adjacent to the Superior facility that include submerged land in the priority area. Northwest Petroleum was a former lessor/operator of the facility, but available information does not implicate them in sediment contamination.

REFERENCES

CB/NT 8.7.7.20.2-0002, Attachments 0002A-I
Henderson, T. 27 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Corporate Counsel, Superior Oil Co., Tacoma, WA.

D 114
Maibauer, B. 11 April 1986. Personal Communication (environmental complaint to Washington Department of Ecology, Olympia, WA, regarding Superior Oil). Washington Department of Ecology, Olympia, WA.

Henderson, T. 27 July 1989. Personal Communication (phone conversation with Mr. Brian O'Neal, Tetra Tech, Bellevue, WA). Corporate Counsel, Superior Oil Co., Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WASHINGTON DEPARTMENT OF NATURAL RESOURCES

OVERVIEW

The Washington Department of Natural Resources (WDNR) owns contaminated sediments in the Mouth and Head of City Waterway priority areas. WDNR manages these aquatic submerged tidelands for the state, and administers lease agreements for some tidelands. WDNR has never conducted operations or activities on tidelands in the CB/NT Superfund site.

In City Waterway, state-owned submerged tidelands include both non-leasable state waterway areas (i.e., sediments throughout the entire waterway, the area that is commonly used for navigation), as well as leasable state harbor areas (Marshall, K., 9 August 1989, personal communication). Leasable state harbor areas are located along the eastern and western shoreline between the inner and outer harbor lines in both the Mouth and Head of City Waterway priority areas. Leasable harbor areas are also located in Commencement Bay, northwest of the Mouth of City Waterway priority area between the inner and outer harbor lines (in some cases the outer harbor line is equivalent to the U.S. Army Corps of Engineers pierhead line).

WDNR provided information on lessees of state harbor areas in City Waterway (see LESSEE INFORMATION). WDNR also provided the original platting maps of the Tacoma Tide Lands (CB/NT 8.7.4.4.2-0002C), which can be used to identify the Blocks and Lots adjacent to the harbor areas.

In a previous investigation concerning Harbor Island, WDNR mentioned that although the state owns submerged lands, the improvements (e.g., fill, structures) in these areas may be owned by the lessees (e.g., the Port may

own fill that was used in a harbor area) (Bortz, D., 22 December 1987, personal communication).

Information concerning the types of facilities, chemicals used and disposed of, results of environmental investigations, and surface water drainage patterns on WDNR's property is either not applicable or not available. WDNR has no knowledge regarding spills, leaks, and/or pipeline breaks of hazardous substances, pollutants, or contaminants on or around property owned by the state within the CB/NT Superfund site (CB/NT 8.7.4.4.2-0002; p. 2). Until very recently, leases issued by WDNR did not contain any requirement that the lessee report such problems to the state, and therefore, WDNR lease files contain little or no information regarding these problems.

LESSEE INFORMATION

WDNR provided the last known address for lessees of state-owned harbor areas (CB/NT 8.7.4.4.2-0002A; pp. 4-9). Supplementary information on additional lessees was provided in CB/NT 8.7.4.4.2-0003; pp. 16-20). It should be noted that in WDNR's 104(e) responses, the statement "All tidelands sold" means that at the time when the waterway was being formed (i.e., prior to dredging), the state sold all the adjacent tidelands to the waterway that was being dredged. In such cases, these tidelands no longer exist (Marshall, K., 9 August 1989, personal communication). This statement does not mean that WDNR has sold the harbor or state waterway areas.

In the Head of City Waterway priority area, WDNR leases the following harbor areas fronting portions of Blocks 51, 52, and 55 along the eastern shoreline and Blocks 58 and 62 along the western shoreline (CB/NT 8.7.4.4.2-0002A; pp. 8-9; CB/NT 8.7.4.4.2-0003; p. 16-20):

- Pickering Industries, Inc. - Blocks 52 and 55, covered boat moorage (term 10/1/77 expires 10/1/2002).

- Pickering Industries, Inc. - Block 52, open/covered boat moorage (term 3/1/78-3/1/2003).

- Morris & Sons Waterway Enterprises - Block 58 Lots 1-6, open moorage marina (term 6/1/82-6/1/2012).

- O.W.R.&N - Block 51, waterway crossing (term 2/5/1914-indefinite).

- Pacific Telegraph and Telephone Company - Block 62, submarine cable crossing (term 2/6/57-indefinite).

- City of Tacoma - Unidentified Block, waterway crossing (term 1/13/1913-indefinite); Blocks 55-56, bridge (term 5/17/82-indefinite).

- Totem Marina - Block 62, marina (term 11/1/78-11/1/2008).

In the Head of City Waterway priority area, past lessees were not identified for the harbor areas fronting portions of Blocks 39 and 51-55 along the eastern shoreline and Blocks 56-62 along the western shoreline (CB/NT 8.7.4.4.2-0003; pp. 16-20).

In the Mouth of City Waterway priority area, leasable state harbor areas are currently located along the western and eastern shoreline of the waterway. Current lessees of the harbor areas fronting portions of Block 38 along the eastern shoreline and Blocks 63 and 66 along the western shoreline are identified below (CB/NT 8.7.4.4.2-0003; pp. 16-20):

- Tacoma Marina Associates - Block 66, marina (term 9/1/83-9/1/2013).

- Totem Marina - Block 63, marina (term 11/1/78-11/1/2008).

- Moorage Associates - Blocks 63 and 66, marina (term 11/1/78-11/1/2008).

WDNR also listed lessees of the harbor area fronting Blocks 30 and 31, which is not located within the Mouth of City Waterway area, but is located immediately northeast of the mouth of City Waterway in Commencement Bay (Marshall, K., 9 August 1989, personal communication). Current and past lessees for the harbor area fronting Blocks 30 and 31 (CB/NT 8.7.4.4.2-0002A; pp. 4-7) include the following:

- Superior Oil Company - Transportation facility (term 1/21/72-1/21/2012).

- Puget Sound Plywood - Log storage, booming, and rafting (term 5/15/37-5/15/77 and 1/21/72-1/21/92).

- Tidewater Oil Company - Lessees activity was not listed (term 1/21/52-1/21/72).

- Associated Oil Company - Lessees activity was not listed (term 7/1/26-1/21/52).

CONTACT MAILING ADDRESS

Current Address:

Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504

104(e) Respondent's Address and PRP Contact Address:

Washington Department of Natural Resources
Division of Aquatic Lands
Olympia, WA 98504
Attn: Kathy Marshall, Lease Administrator
Ron Teissere, Assistant Division Manager

RECOMMENDED PRPS

Lease holders for harbor areas within priority areas (see Lessee information) should be sent general notice letters and 104(e) requests for additional information.

SUMMARY

WDNR owns contaminated sediments in the Mouth and Head of City Waterway priority areas. WDNR owns the majority of sediments in City Waterway, including leasable state harbor areas. Based on that information, Tetra Tech recommends that WDNR remain on the PRP list for City Waterway.

REFERENCES

CB/NT 8.7.4.4.2-0002, Attachments 0002A-C
Teissere, R. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 3 pp. + attachments.

CB/NT 8.7.4.4.2-0003
Marshall, K. 20 July 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. 1 pp. + 32 pp. supplementary list.

Bortz, D. 22 December 1987. Personal Communication (meeting with Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA. Copy not provided.

Marshall, K. 9 August 1989. Personal Communication (phone by Ms. Karen Keeley, Tetra Tech, Inc., Bellevue, WA). Washington Department of Natural Resources, Division of Aquatic Lands, Olympia, WA.

ENFORCEMENT CONFIDENTIAL
CITY WATERWAY

29 September 1989

DRAFT PRP EVALUATION
WOODWORTH & COMPANY, INC.

OVERVIEW

Woodworth & Company is a general contracting firm specializing in asphalt paving, dirt hauling, and concrete work (D 025). Since 1929, Woodworth & Company has owned property located at 1200 East D Street in Tacoma on the eastern shoreline of City Waterway. Between 1929 and about 1938, the property was used for lumber storage (Woodworth, J., 26 July 1989, personal communication). Since 1938, the property has been used to house office buildings and store and maintain construction equipment (CB/NT 8.7.7.28.2-0001; p. 1). An asphalt batch plant was also operated onsite between 1938 and about 1980 (Woodworth, J., 26 July 1989, personal communication).

Woodworth & Company's 104(e) response included only brief, incomplete answers to most questions. The majority of the information presented in this review was obtained during a phone conversation with Mr. J. Woodworth.

Woodworth & Company owns contaminated sediments that are located between the shoreline and the harbor line in the Head of City Waterway priority area. Past operations conducted by Woodworth & Company between 1938 and 1986 may have contributed priority organic chemical contamination to this priority area via surface water runoff and storm drain discharges. Contaminants may have been generated at the facility when solvents and/or detergents were used to wash equipment and trucks onsite. Contamination of sediments from bad housekeeping practices and spills at the asphalt plant may have occurred, but neither documented nor anecdotal evidence of those occurrences exists. Information presented in the RI (D 066; p. 7.203)

suggests that contaminants may have also been present in effluent discharged to the waterway from the asphalt plant scrubber system, but that assessment is not believed to be accurate (see CHEMICAL USE AND DISPOSAL). Woodworth's current operations are not believed to be a source of contaminants to the Head of City Waterway priority area because the asphalt batch plant was moved offsite in about 1980, an oil/water separator was installed onsite in 1986 to limit oil runoff from the area that is used to store equipment, and most trucks are washed offsite.

Results of the RI identified 10 Priority 2 contaminants in the Head of City Waterway priority area, which included oil and grease and PAH (D 067; p. 10-3). Potential contaminant input to the priority area from Woodworth & Company would be minor in comparison to the other potential sources of organic contaminants that were identified in the RI [e.g., petroleum facilities; storm drain runoff from numerous areas including Interstate-5, Nalley Valley, Tacoma business district, and numerous other equipment/vehicle wash areas] (D 067; pp. 10-9 to 10-22).

FACILITY DESCRIPTION AND LOCATION

Woodworth & Company is a general contracting firm specializing in asphalt paving, dirt hauling, and concrete work (D 025). Since 1929, Woodworth & Company has owned property (about 2 ac) located at 1200 East D Street in Tacoma on the eastern shoreline of City Waterway. That property includes tidal lands between the shoreline and the harbor line (Woodworth, J., 26 July 1989, personal communication) [Note: WDNR stated that they own all submerged tidelands in City Waterway]. Previous owners and operators of this property include Tacoma Granite and Puget Sound Iron and Steel Works (CB/NT 8.7.7.28.2-0001; p. 1).

Between 1929 and about 1938, the property was used for lumber storage (Woodworth, J., 26 July 1989, personal communication). Since 1938, the property has been used to house office buildings and to store and maintain

construction equipment (CB/NT 8.7.7.28.2-0001; p. 1). Between 1938 and about 1980, Woodworth also operated an asphalt batch plant onsite (Woodworth, J., 26 July 1989, personal communication). Since 1986, Woodworth has stored very few trucks onsite, and most equipment is washed at other Woodworth facilities. A map of the facility is provided in the 104(e) response (CB/NT 8.7.7.28.2-0001C).

CHEMICAL USE AND DISPOSAL

The only potentially hazardous material that Woodworth & Company currently uses, stores, or generates is Stoddard solvent. The company currently uses approximately 25 gal/yr of the solvent to clean engine parts (CB/NT 8.7.7.28.2-0001; p. 2). The solvent is purchased from Associated Petroleum and is stored onsite in a single barrel. The residual waste material is removed by Associated Petroleum.

Prior to 1986, washwater and runoff from equipment washing and maintenance operations entered City Waterway via storm drains. In 1986, an oil/water separator was installed onsite in the storm drain system to process the water prior to discharge to the waterway. In 1988, underground fuel storage tanks that were located onsite were removed (see ENVIRONMENTAL STATUS).

Other past operations conducted by Woodworth that may have used or generated hazardous materials are limited to their operation of an asphalt batch plant onsite. The plant was used to prepare asphalt for paving roads. The preparation process involved heating crushed rock or gravel at 325° F to evaporate moisture from the aggregate. Dry air was forced over the heated aggregate to pick up the moisture. Dust from the aggregate was also picked up by the moist, warm air. The air and dust were discharged through an air stack, and the aggregate was screened, weighed, and added to the hot asphalt (Woodworth, J., 26 July 1989, personal communication).

At an unknown time, a low-energy wet scrubbing system was installed to reduce atmospheric emissions (D 066; pp. 7.203, 7.207). Water cascaded down baffles in the stack to remove aggregate dust from the exhaust (Woodworth, J., 26 July 1989, personal communication). The scrubber water and aggregate dust were discharged to City Waterway. In about 1975 or 1976, Ecology informed Woodworth & Company that the scrubber water discharge to the waterway violated state water quality turbidity standards (Woodworth, J., 26 July 1989, personal communication). Ecology requested that Woodworth add a flocculent to the scrubber water to promote settling of the dust, and to allow the water to settle in a pond onsite prior to discharge. Solids from the pond were retained for land disposal (site not established as part of this PRP evaluation) and the overflow was discharged to City Waterway (NPDES Permit WA0001368) (D 066). The scrubber water from Woodworth & Company's asphalt plant, which was discharged to City Waterway, never came in contact with asphalt.

CONTACT MAILING ADDRESS

Facility Address:

Woodworth & Company
1200 East D Street
Tacoma, WA 98421
(206) 383-3585

104(e) Respondent's Address and PRP Contact Address:

John Woodworth
Address listed above

CORPORATE STATUS

The company was originally incorporated in 1921 as Albertson, Cornell Brothers and Walsh, Inc. (CB/NT 8.7.7.28.2-0001; p. 1). In approximately 1938, it became Woodworth & Cornell and was changed to Woodworth & Company

in approximately 1940. The current president is John Woodworth and the Vice President is Ted Atkinson. Other current officers and shareholders of the corporation are listed in the 104(e) response (CB/NT 8.7.7.28.2-0001; p. 1).

Bogle & Company is listed as the registered agent in the 1988 Woodworth & Company annual corporate report. An address was not provided for Bogle & Company.

SURFACE WATER DRAINAGE

In August 1986, the City of Tacoma Sewer Utility Division requested that Woodworth install oil/water separators at the equipment washing and maintenance area, a product storage area, and at the truck garage and fueling yard in the southern portion of the property (D 090). Since then, surface water runoff and washwater from the equipment washing area on the property has been processed through an oil/water separator prior to discharge to the city storm drain system (CB/NT 8.7.7.28.2-0001; p. 3). Mr. Woodworth (26 July 1989, personal communication) stated that only one oil/water separator was necessary and thus only one was installed.

According to the TPCHD maps, effluent from the oil/water separator would discharge to City Waterway via storm drain 742. Mr. Woodworth (26 July 1989, personal communication) verified that one outfall discharges from their property to City Waterway. He did not know the number of catch basins on his property that serviced that outfall. Surface runoff may also enter City Waterway directly from Woodworth's property.

Based on reports by TPCHD personnel, runoff from the truck washing yard and maintenance facility may also have entered Wheeler Osgood Waterway (no citation).

ENVIRONMENTAL STATUS

Two underground storage tanks were removed from the premises in late 1988 (CB/NT 8.7.7.28.2-0001C): a 5,000-gal steel tank used to store leaded regular petroleum (6-10 yr old), and a 10,000-gal steel tank used to store unleaded petroleum (21-30 yr old). In January 1989, Applied Geotechnology, Inc. completed an assessment of fuel hydrocarbon contamination at Woodworth's main yard. A soil sample and groundwater samples were collected from Monitoring Well MW-3, which was positioned in the area of the former tank locations. Groundwater samples were also collected from Well MW-2, south of the former tank locations, and from Well MW-4, west of the former tank locations. Dark brown petroleum contamination and moderate hydrocarbon odor were observed in Well MW-3 at depths between 6 and 13 ft depth. The single soil sample that was collected from Well MW-3 contained 180 mg/kg gasoline and <5 mg/kg diesel. Groundwater samples that were collected from Well MW-3 contained benzene (1,300 ug/L), toluene (780 ug/L), ethylbenzene (3,200 ug/L), m-xylene (2,600 ug/L), and o,p-xylene (2,800 ug/L). Benzene concentrations in Wells MW-3 and MW-4 (6.1 ug/L) violated the drinking water standard of 5 ug/L. Because the bulk of the contaminated sediments were removed during tank removal efforts, Applied Geotechnology indicated that the amount of dissolved hydrocarbon constituents in groundwater would diminish with time. In Well MW-4, all compounds were detected at concentrations <14 ug/L and in MW-2 all compounds were undetected except toluene at 1.7 ug/L.

INSURANCE INFORMATION

Woodworth & Company included a copy of their current comprehensive general liability policy in their 104(e) response (CB/NT 8.7.7.28.2-0001D). Woodworth did not indicate whether their policy included coverage for damages resulting from releases to the environment.

RECOMMENDED PRPS

Woodworth & Company did not provide information on other PRPs to U.S. EPA. Because the two previous owners of this property operated onsite prior to 1929, it is recommended that Puget Sound Iron and Steel Works and Tacoma Granite Company should not be sent general notice letters.

SUMMARY

Woodworth & Company conducted operations that may have discharged priority chemicals via surface water runoff and storm drain outfalls to the Head of City Waterway priority area. Furthermore, Woodworth & Company owns property that includes priority area bottom sediments. Based on the aforementioned information, Tetra Tech recommends that Woodworth & Company remain on the PRP list.

REFERENCES

CB/NT 8.7.7.28.2-0001, Attachments 0001A-0001D
Woodworth, J.A. 6 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). 3 pp. + attachments.

D 025
Strom, A. 21 June 1968. Application to State of Washington Pollution Control Commission for permit to discharge wastes into state waters. Tacoma Boatbuilding Company, Tacoma, WA. 1p.

D 066
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ENFORCEMENT CONFIDENTIAL
WHEELER-OSGOOD WATERWAY

29 September 1989

Wheeler-Osgood

DRAFT PRP EVALUATION
BURLINGTON NORTHERN RAILROAD/WHEELER-OSGOOD WATERWAY

OVERVIEW

Burlington Northern Railroad (BN) owns property that includes the southern half of Wheeler-Osgood Waterway, a priority area, and adjacent uplands property (CB/NT 8.7.6.1.2-0001). BN and its predecessor corporations have maintained tracks for rail car storage on the uplands adjacent to Wheeler-Osgood Waterway. While the railroad conducts maintenance and other operations in the tideflats, past uses of this site do not appear to have contributed to waterway contamination. BN was identified as a PRP for Wheeler-Osgood Waterway because the company owns a portion of the waterway.

FACILITY DESCRIPTION AND LOCATION

The south half of Wheeler-Osgood Waterway and the adjacent uplands have been railroad property since 1899, when they were purchased by Northern Pacific Railway, a predecessor of BN (CB/NT 8.7.6.1.2-0001). Wheeler-Osgood Waterway branches eastward from City Waterway, just north of East 15th Street. There are no fueling, repair, or other railroad facilities at the Wheeler-Osgood property. However, the railroad does operate other facilities in the tideflats area.

CHEMICAL USE AND DISPOSAL

BN does not operate any facilities, or handle hazardous substances at the Wheeler-Osgood property (CB/NT 8.7.6.1.2-0001). The company did not provide information regarding other BN operations in the tideflats area, or historical information for this property.

CONTACT MAILING ADDRESS

PRP Contact Address:

Burlington Northern Railroad - Law Department
3800 Continental Plaza
777 Main Street
Fort Worth, TX 76102
Attn: Anne M. Blythe, Attorney

CORPORATE STATUS

BN is a Delaware corporation that was incorporated 2 March 1970. The company was created by the merger of four railway companies, one of which was the Northern Pacific Railway. Northern Pacific Railway was created in the mid-1800s and acquired the south half of Wheeler-Osgood Waterway in 1899. A detailed chronology of these transactions is provided in BNs 104(e) response (CB/NT 8.7.6.1.2-0001).

SURFACE WATER DRAINAGE

The property owned by BN includes Wheeler-Osgood Waterway, which is a priority area in the CB/NT Superfund site. Adjacent upland areas drain to Wheeler-Osgood and City Waterways (TPCHD 1988).

ENVIRONMENTAL STATUS

BN has no knowledge of any environmental studies or cleanups conducted on or near its Wheeler-Osgood property (CB/NT 8.7.6.1.2-0001). BN's 104(e) response provided no information on other properties or environmental studies and cleanups.

INSURANCE INFORMATION

BN has numerous insurance policies with American, Lloyd's, and London insurance carriers providing comprehensive general liability, and environmental impairment liability effective from before 1950 to the present. These policies are available for review at BNs Fort Worth, Texas offices (CB/NT 8.7.6.1.2-0001).

RECOMMENDED PRPs

BN listed no other PRPs in its 104(e) response.

SUMMARY

BN did not provide information regarding operations on surrounding properties, but the company does not appear to have discharged hazardous substances to Wheeler-Osgood Waterway from this property. However, BN owns half of Wheeler-Osgood Waterway, which is a priority area. Therefore, Tetra Tech recommends that BN remain on the PRP list.

REFERENCES

CB/NT 8.7.6.1.2-0001A-N
Blythe, A. 2 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). Attorney, Law Department, Burlington Northern Railroad, Fort Worth, TX. 11 pp. + attachments.

Tacoma-Pierce County Health Department. 1988. Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
WHEELER-OSGOOD WATERWAY

29 September 1989

DRAFT PRP EVALUATION
PREMIER INDUSTRIES, INC. d/b/a NORTHWEST CONTAINERS

OVERVIEW

Premier Industries, Inc. d/b/a Northwest Containers manufactures plastic containers and foam products at 635 East 15th Street in Tacoma (CB/NT 8.7.6.5.2-0002). The facility is located on approximately 7 ac east of the head of Wheeler-Osgood Waterway (see photographs in CB/NT 8.7.6.5.2-0002E). The property does not include Wheeler-Osgood tidal lands. Northwest Containers has been at this location since September 1979, and the facility and property have been owned by Premier Industries d/b/a Northwest Containers since 11 May 1987 (CB/NT 8.7.6.5.2-0002, 0002F). Previous property owners include Western Plastics, Hepworth Ceramics, and Western Realty Corporation.

In response to the general notice letter, Premier Industries d/b/a Northwest Containers disclosed information about the types and sources of products and raw materials used at their facility (CB/NT 8.7.6.6.2-0001; CB/NT 8.7.6.5.2-0002). Premier Industries requested that this information be treated as confidential to protect their competitive position in the market (CB/NT 8.7.6.5.2-0001), so Tetra Tech has not reviewed that information. Premier Industries stated that the confidential information proved that their facility has not contributed contaminants to the CB/NT Superfund site (CB/NT 8.7.6.5.2-0001). Also, Attachments CB/NT 8.7.6.5.2-0002G and 0002H were not included in Tetra Tech's copy of Premier Industries response and thus were not reviewed.

Based on information reviewed by Tetra Tech, Northwest Containers has not released contaminants to the Wheeler-Osgood Waterway priority area, and Premier Industries does not own land once used by a suspected source of

contaminants to the waterway. Northwest Containers uses only small quantities of potentially hazardous materials (e.g., solvents and oils), and these wastes are transported offsite for recycling. Wastes from other potentially hazardous materials (e.g., glue) are not generated, and all plastic scraps are reused. The raw plastic materials used at the facility (e.g., polyvinylchloride, polyethylene) are solid pellets (Thompson, J., 3 August 1989, personal communication). Onsite spills of hazardous materials have not been re-ported. Furthermore, Northwest Containers has never discharged effluent to the storm drain or sanitary system, and storm drain catch basins are not located onsite. The only possible route that contaminants may have been released to the waterway would have been via surface water runoff from the unpaved portions of the facility to the storm drain system.

During the RI/FS, the Priority 2 contaminants identified in the Wheeler-Osgood Waterway priority area included total organic carbon, PAH, biphenyl, phenol, 4-methylphenol, 1,2-dichlorobenzene, N-nitrosodiphenylamine, zinc, copper, lead, and cadmium (D 067; p. 11-1, 11-4). The FS (D 067; p. 11-4) stated that the primary source of contaminants that had been identified was storm drain runoff. Lists of potential historical sources of these priority contaminants did not include Northwest Containers.

FACILITY DESCRIPTION AND LOCATION

Premier Industries, Inc. d/b/a Northwest Containers manufactures plastic containers and foam products on an approximately 7 ac site east of Wheeler-Osgood Waterway. Northwest Containers has operated at this location since September 1979. The property was owned by Western Realty Corporation between 1955 and October 1980 (CB/NT 8.7.6.5.2-0002). Hepworth Ceramics or Genefax House owned the property between October 1980 and 11 May 1987. Premier Industries apparently purchased both the property and Northwest Containers on 11 May 1987 (CB/NT 8.7.6.5.2-0002, 0002F).

Historical operations on this property were described by Premier Industries (CB/NT 8.7.6.5.2-0002). From the turn of the century to the mid-1950s, Wheeler-Osgood owned the property and manufactured doors and other wood-related products onsite. From 1955 until the early 1960's, the property was used for grain storage. In the 1960's, a fire destroyed the buildings that were located onsite, and the land lay idle until 1978 when the present tilt-up concrete building was constructed to house Northwest Containers.

Northwest Containers processes blow-molded containers and expanded polystyrene foam products that are used in construction, packaging, flotation, hot tub/spa covers, and merchandising displays (CB/NT 8.7.6.5.2-0002). Plastic bottles and containers are manufactured using the following process: 1) the plastic parison (a round hollow tube) is extruded from softened plastic, 2) the parison is entrapped between the two halves of the container mold, 3) the parison is expanded against the wall of the mold by using air pressure, 4) noncontact cooling water from a closed-loop recirculating system is run through channels in the mold to cool the plastic, 5) the mold is removed, and 6) excess plastic flash from the molded plastic container is trimmed, ground up, and reused.

CHEMICAL USE AND DISPOSAL

As stated previously (see OVERVIEW), Premier Industries requested that information on the types and sources of products and raw materials used at their facility be treated as confidential to protect their competitive position in the market (CB/NT 8.7.6.5.2-0001). Tetra Tech has not reviewed that confidential information.

Potentially hazardous materials used by Northwest Containers for regular equipment maintenance include ethylene glycol, solvents, heat transfer fluid, and lubricating, gear, and hydraulic oils (CB/NT 8.7.6.5.2-0002). These materials are stored in containers (usually 55 gal) in a self-contained metal building onsite and have always been recycled by contractors (Thompson, J.,

3 August 1989, personal communication). Used oil is stored onsite and is always transported offsite by Petroleum Reclaiming Service of Tacoma (CB/NT 8.7.6.5.2-0002B). Solvents are used onsite for metal cleaning and are recycled each month by Safety Kleen. Northwest Containers also uses thermoplastic adhesive for gluing cardboard boxes. Empty 30-gal drums are used onsite for collecting, storing, and handling regrind material for recycling. Other liquid or semi-solid materials (e.g., plastics, resins) are not used onsite (Thompson, J., 3 August 1989, personal communication).

During an industrial waste survey in the Tacoma tideflats (D 001), TPCHD personnel noted that Northwest Containers uses several organic chemicals (e.g., polyethylene, polyvinyl chloride, and several glues), and that these chemicals may have entered Wheeler-Osgood Waterway via surface water runoff (TPCHD 1988). However, these organic chemicals are solids (i.e., pellets used to process plastic containers), and would not have been released to the waterway.

CONTACT MAILING ADDRESS

Current Address:

Premier Industries, Inc. d/b/a Northwest Containers, Inc.
635 East 15th Street
Tacoma, WA 98421
(206) 627-2151

104(e) Respondent's Address and PRP Contact Address:

Premier Industries, Inc.
1019 Pacific Avenue, Suite 1501
Tacoma, WA 98402
(206) 572-5111
Attn: John F. Thompson

CORPORATE STATUS

Northwest Containers became a division of Premier Industries, Inc. on 11 May 1987. Premier Industries, a private Washington corporation, was incorporated on 26 February 1986 (CB/NT 8.7.6.5.2-0002). The corporate officers are: Michael R. Wall (President and CEO), Calvin D. Bamford, Jr. (Secretary/Treasurer), and Ken Holt (Vice President & Director). Western Plastics Corporation may have once owned Northwest Containers or just owned property leased to Northwest Containers.

SURFACE WATER DRAINAGE

According to TPCHD drainage maps, there are no catch basins located at the Northwest Containers facility, and surface water from the facility would enter street catch basins that discharge to Wheeler-Osgood Waterway via storm drain CW-254. This is the largest storm drain discharging into Wheeler-Osgood Waterway (D 067; p. 11-4).

ENVIRONMENTAL STATUS

Environmental investigations have not been conducted onsite (CB/NT 8.7.6.5.2-0002). Ecology and other agencies have toured the facility, but Premier Industries has not received any reports or written correspondence from Ecology.

INSURANCE INFORMATION

Premier Industries' response letter included a letter from Johnson & Higgins to Mr. Ken Holt (President of Northwest Containers) dated May 1989 (CB/NT 8.7.6.5.2-0002I). That letter, which summarized insurance policies held by Western Plastics Corporation since 1971, did not indicate whether insurance policies for Northwest Containers included pollution coverage.

Premier Industries d/b/a Northwest Containers did not provide information on their insurance policies.

RECOMMENDED PRPS

Premier Industries is the current owner and operator of the four parcels that make up this site. Previous property owners include 1) Hepworth Ceramics, Inc. (Mr. Lawrence L. McNutt, 206-383-7598, 820 "A" Street, Suite 600, Tacoma, WA 98402) or Genefax House (Tapton Park Road, Sheffield, England S10 3FJ) from October 1980 to 11 May 1987; and 2) Western Realty Corporation (John C. Dimmer, James H. Wiborg) from 1955 to October 1980 (CB/NT 8.7.6.5.2-0002). These PRPs were not sent general notice letters. Based on information provided by Premier Industries (see FACILITY DESCRIPTION AND LOCATION), Tetra Tech does not recommend sending letters to these property owners.

Western Plastics Corporation, whose address was listed as 2330 Port of Tacoma Road, was sent a general notice letter from U.S. EPA concerning Northwest Containers' operations. The letter sent to Western Plastics was not delivered. Because Premier Industries stated that Western Plastics was never owned by Northwest Containers (CB/NT 8.7.6.5.2-0002), it is presumed that Western Plastics either owned Northwest Containers or owned property that was leased to Northwest Containers.

Premier Industries stated that Western Plastics is currently owned by PacWest (i.e., Simpson of Seattle or Simpson Plastics of Eugene). Simpson acquired Western Plastics' extruded plastic pipe operations from Hepworth Ceramics in March 1985. Because Western Plastics was purchased by Hepworth Ceramics in 1980, Hepworth Ceramics may also be able to respond to a general notice concerning Western Plastics' operations. [Note: Hepworth Ceramics was sent a general notice letter during the Tacoma Landfill PRP search, but U.S. EPA did not receive a response].

Premier Industries identified three lessees of this property (CB/NT 8.7.6.5.2-0002). L.H. Bates Vocational Technical Institute leased a portion of the property from November 1979 to October 1981 to teach woodworking. Astroseal, a division of Hepworth Ceramics, leased a portion of the property from 1982 to July 1984 to fabricate extruded plastic window frames and doors. Clover Park Vocational Technical Institute is leasing a portion of the property from May 1986 to May 1990 for recreational vehicle and marine engine repair instruction.

SUMMARY

Based on a review of operations and materials used at the facility, Northwest Containers does not appear to have released contaminants to the Wheeler-Osgood Waterway priority area (see OVERVIEW). Tetra Tech recommends that Premier Industries d/b/a Northwest Containers be removed from the PRP list.

REFERENCES

CB/NT 8.7.6.5.2-0001
Thompson, J.F. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Premier Industries, Inc., Tacoma, WA. 1 pp.

CB/NT 8.7.6.5.2-0002, Attachments 0002A-0002F, 0002I (0002G and H were not included in Tetra Tech's copy)
Thompson, J.F. 22 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. Environmental Protection Agency Region X, Seattle, WA). Premier Industries, Inc., Tacoma, WA.

D 001
Pierce, D., and J. Snyder. 15 December 1983. Tacoma tideflats industrial waste survey. Tacoma-Pierce County Health Department, Tacoma, WA.

D 066
Tetra Tech. 1985. Commencement Bay nearshore/tideflats remedial investigation. Volumes 1 and 2. Final report. EPA-910/9-85-134b. Prepared for Washington Department of Ecology, Olympia, WA and U.S. Environmental Protection Agency, Seattle, WA. Tetra Tech, Inc., Bellevue, WA.

D 067
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Tacoma-Pierce County Health Department. 1988.
Commencement Bay nearshore/tideflats drainage map. TPCHD, Tacoma, WA.

Thompson, J. 3 August 1989. Personal Communication. (Phone by Karen Keeley, Tetra Tech, Bellevue, WA) Premier Industries, Inc., Tacoma, WA.

ENFORCEMENT CONFIDENTIAL
WHEELER-OSGOOD WATERWAY

29 September 1989

DRAFT PRP EVALUATION
RAINIER PLYWOOD COMPANY

OVERVIEW

Rainier Plywood Company is located to the southwest of Wheeler-Osgood Waterway. Rainier Plywood Company has discharged glue-spreader washdown to Wheeler-Osgood Waterway via storm drains in the past (CB/NT 8.7.6.6.2-0002).

FACILITY DESCRIPTION AND LOCATION

Rainier Plywood Company has been located at 624 East 15th Street since it was established in 1948, and is bounded by East F Street, East J Street, and East 15th Street. Rainier Plywood Company manufactured plywood from 1948 to 1974 and RICHLITE^{tm}, a phenolic fiber laminate, from 1950 to the present. During the manufacture of RICHLITE, paper is passed through a bath of phenolic resin, partially dried, pressed into sheets, and trimmed. Prior to 1975, Rainier Plywood Company manufactured a similar sheet as an overlay material for plywood.

Rainier Plywood Company has leased portions of its property to various other manufacturing concerns, primarily plywood and custom wood products shops. Currently, Rainier Plywood Company's only tenant is Mathews Heating Oils, Inc. d/b/a Griffin-Galbraith Fuel Company (CB/NT 8.7.6.6.2-0002).

CHEMICAL USE AND DISPOSAL

Prior to 1 July 1971, Rainier Plywood Company discharged glue-spreader washdown from the plywood plant to the storm drains. The washdown may have contained phenols, a priority chemical for Wheeler-Osgood Waterway. After

July 1971, this discharge was diverted to the sanitary sewer at the request of the U.S. Army Corps of Engineers, Seattle District. A liquid phenolic resin (containing formaldehyde, ethyl alcohol, methanol, isopropyl alcohol, and phenol) and methanol are used to manufacture RICHLITE. Spilled phenolic resin is allowed to dry and completely polymerize, which renders it solid and water-insoluble. Drying tower fumes are vented to an afterburner and incinerated. No hazardous byproducts or wastes are generated by this process (CB/NT 8.7.6.6.2-0002).

CONTACT MAILING ADDRESS

Facility and PRP Contact Address:
Rainier Plywood Company - Plastics Division
624 East 15th Street
Tacoma, WA 98421
Attn: Doug Baum, President

CORPORATE STATUS

Rainier Plywood Company was incorporated in Washington state in 1943. Rainier Plywood Company's shareholders, directors, and officers are listed in the 104(e) response (CB/NT 8.7.6.6.2-0002).

SURFACE WATER DRAINAGE

Rainier Plywood Company surface waters enter city storm drains and discharge to the head of Wheeler-Osgood Waterway, at outfall WO-254 (TPCHD 1988).

ENVIRONMENTAL STATUS

In addition to numerous air quality violations, Rainier Plywood Company had discharged glue-spreader washdown and non-contact cooling water to the

storm sewer prior to 1971. Since then, these wastes were diverted to the sanitary sewer following discussions with the U.S. Army Corps of Engineers. Rainier Plywood Company was inspected as part of the Commencement Bay Small Business Discharge Survey in February 1984 (CB/NT 8.7.6.6.2-0002H) and was subject to City of Tacoma Industrial Wastewater Pretreatment Program inspections (CB/NT 8.7.6.6.2-0002I, J) in 1987 and 1988. The Discharge Survey discussed spills of phenolic resins to storm drains observed by the inspector, and concluded that there is a potential for a large phenolic resin spill at this facility.

INSURANCE INFORMATION

Rainier Plywood Company carries property and general liability insurance with American Star Insurance Company through their broker, Frank B. Hall Company. Rainier Plywood Company did not specify if this policy provides coverage for damages resulting from environmental releases (CB/NT 8.7.6.6.2-0002N).

RECOMMENDED PRPs

The 104(e) response indicates that Rainier Plywood Company, Totem Plywood, and Farwest Plywood all manufactured plywood at this site between 1948 and 1974. Rainier Plywood Company also stated that the Griffen-Galbraith Fuel Company is a current tenant on Rainier Plywood Company's property. Griffen-Galbraith is a listed PRP for Wheeler-Osgood Waterway. A list of nine past tenants is provided in the 104(e) response (CB/NT 8.7.6.6.2-0002).

SUMMARY

Rainier Plywood Company currently has no process discharges to city storm drains. However, Rainier Plywood Company has released hazardous substances to Wheeler-Osgood Waterway in the past, including the priority

chemical phenol, and has violated numerous environmental regulations. Also, past and current tenants of Rainier Plywood Company's property may have released hazardous substances to Wheeler-Osgood Waterway in the past. Therefore, Tetra Tech recommends that Rainier Plywood Company remain on the PRP list, and that the plywood manufacturers identified by Rainier Plywood be sent general notice letters.

REFERENCES

CB/NT 8.7.6.6.2-0002, Attachments 0002A-N

Baum, D. 19 June 1989. Personal Communication (letter to Mr. Michael Stoner, U.S. EPA Region X, Seattle, WA). President, Rainier Plywood Company, Tacoma, WA. 8 pp. + attachments.

Tacoma-Pierce County Health Department. 1988. Commencement Bay near-shore/tideflats drainage map. TPCHD, Tacoma, WA.