

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Jorgensen-Forge Outfall Site (Boeing) - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region X

Subject: **POLREP #4**
Special Report
Jorgensen-Forge Outfall Site (Boeing)
10JA
Seattle, WA
Latitude: 47.5302879 Longitude: -122.3064796

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From: Michael Sibley II, OSC

Date: 3/29/2012

Reporting Period: March 19-23, 2012

1. Introduction

1.1 Background

Site Number:	10JA	Contract Number:	EP-S7-06-02
D.O. Number:	N/A	Action Memo Date:	9/30/2010
Response Authority:	CERCLA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	N/A
Mobilization Date:	1/24/2011	Start Date:	2/2/2011
Demob Date:	3/31/2011	Completion Date:	3/31/2011
CERCLIS ID:	WAN0002329803	RCRIS ID:	
ERNS No.:	N/A	State Notification:	N/A
FPN#:	N/A	Reimbursable Account #:	N/A

1.1.1 Incident Category

Time critical removal action.

1.1.2 Site Description

The Jorgensen Forge Outfall Site consists of two outfall pipes, a 24-inch and adjacent 15-inch, buried just south of the current Jorgensen Forge facility's northern boundary with the adjacent Boeing Plant 2 facility. Both pipes discharged into the Lower Duwamish Watershed (LDW). The LDW was listed on the National Priority List ("NPL") in September 2001 (CERCLIS No. WA0002329803). In 2002, the Washington Department of Ecology ("Ecology") added the LDW to the Hazardous Site List under Facility Site identification No. 42927743.

1.1.2.1 Location

The Site is located along the northern boundary of the adjacent Jorgensen and Plant 2 facilities. The street address is 8531 East Marginal Way South, Seattle, Washington, 98108. The approximate location of the east end of the 24-inch PLSD is 47° 31'37.82" North Latitude; 122° 18'13.59" West Longitude.

The Site and surrounding area are primarily industrial. The nearest school (Concord Elementary) is approximately 0.75 miles west-southwest. The closest residences are within a mile are to the west in the South Park neighborhood across the LDW.

1.1.2.2 Description of Threat

Numerous environmental investigations have documented the presence of PCBs in the PLSD pipes which discharge to the LDW. Total PCBs have been detected at concentrations as high as 10,000 mg/kg in a sample collected from the 24-inch PLSD. Multiple samples exceed both the MTCA cleanup level for industrial soil (10 mg/kg) and EPA Regional Screening Levels for industrial soil and the protection of groundwater (0.74 and 0.0088 mg/kg, respectively, for Aroclor 1254).

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The primary activity on the site at this time is site assessment.

Upon the completion of the cleaning and sealing of the 24 and 12-inch clay pipes, Geoprobe Soil Investigation (Geoprobe Soil Investigation) Work Plan (Work Plan) has been developed by Farallon Consulting, L.L.C. (Farallon) and Anchor QEA, L.L.C. (Anchor) on behalf of Jorgensen Forge Corporation (Jorgensen) and The Boeing Company (Boeing) to present the scope of work for additional investigation to be conducted at the Jorgensen Forge Outfall Site at 8531 East Marginal Way South in Seattle, Washington.

The Geoprobe Soil Investigation is being conducted to collect additional soil data to further define the lateral and vertical extent of soil containing elevated polychlorinated biphenyls (PCBs) concentrations in the northwest corner of the Jorgensen Forge Outfall Site and the adjacent part of the Boeing's Plant 2 property. This is the area where the 24 and 12 pipes discharged into the Lower Duwamish Waterway (LDW).

Investigations were conducted by Boeing and Jorgensen at the Jorgensen Forge Outfall Site in February 2011 which included advancing Geoprobe borings along three transects perpendicular to the shoreline to evaluate whether a release of hazardous substances had occurred to subsurface soil beneath the 15-inch and 24-inch pipes located on the Jorgensen Forge Outfall Site. This Investigation was conducted in accordance with the *Source Control Action, 15-inch and 24-inch Pipes Cleanout Work Plan* dated November 23, 2010 prepared by Floyd Snider (2010) and the U.S. Environmental Protection Agency (EPA) Administrative Order on Consent for Removal Action, CERCLA Docket No. 10-2011-0017 (AOC) entered into by Jorgensen and Boeing.

Further site characterization investigation is necessary to assess the extent of the elevated PCB concentrations encountered during the initial Investigation and to identify and define necessary future cleanup activities in this area.

Scope of work for the geoprobe soil investigation included, 13 geoprobe borings, collection and laboratory analysis of those soil samples.

Future cleanup in this area will be conducted in conjunction with the sediment removal actions, scheduled to commence in the LDW adjacent to Jorgensen property and Boeing Plant 2 property in 2012

2.1.2 Response Actions to Date

None needed

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Not Applicable

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

See Operations section

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

- Collect soil samples with Geoprobe
- Decontamination of equipment
- Dewatering of solids
- Offsite shipment of solids to authorized disposal facility
- Disposal of wash waters
- Demobilization
- Report preparation

2.2.2 Issues

None

2.3 Logistics Section

The RP environmental contractor mobilized portable geoprobe unit to site for soil collection.

2.4 Finance Section

2.4.1 Narrative

None

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	\$50,000.00	\$43,500.00	\$6,500.00	13.00%
Intramural Costs				
USEPA - Direct	\$10,000.00	\$9,000.00	\$1,000.00	10.00%
USEPA - InDirect	\$20,000.00	\$17,356.00	\$2,644.00	13.22%
Total Site Costs				
	\$80,000.00	\$69,856.00	\$10,144.00	12.68%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

Safety responsibilities were delegated to the individual contractors working onsite during the site assessment activity. RP and facility consultants on-site during specific on site activity also provided health and safety guidance as needed.

2.6 Liaison Officer

N/A

2.7 Information Officer

2.7.1 Public Information Officer

N/A

2.7.2 Community Involvement Coordinator

N/A

3. Participating Entities

3.1 Unified Command

None

3.2 Cooperating Agencies

EPA RCRA
EPA Removal Program

4. Personnel On Site

The number of personnel varied onsite based on the work load. This accounting is the maximum that would be onsite at any one time during a normal work day during the de-mobilization phase.

Jorgensen Forge - 1

RP Environmental Consultant - 1

RP Environmental Contractor - 2-3 as needed based on the type of work activity.

5. Definition of Terms

CMP: Corrugated Metal Pipe

CDF: Controlled Density Fill

IC: Incident Commander

JF: Jorgensen Forge

RP: Responsible Party

LDW: Lower Duwamish Waterway

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epaosc.org/>

6.2 Reporting Schedule

Completion of site characterization March 19-23, 2012

Demobilization (March 23, 2012)

Transmittal of completion report (60 days following completion of field demobilization)(July 27, 2012)

7. Situational Reference Materials

None

POLREP #4 Last Updated 4/16/2012