

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

Summary Memorandum

DEC 24 1984

Site ID: WA D980726327
County: King
Priority Assessment: Medium
Backlog Red. Cat.:
Date/Revised: 11/27/84

Name and Location:

Port of Seattle- Terminal 115
6020 W. Marginal Way
Seattle, WA 98108

Contact: John Dohrmann
Telephone: (206) 382-3330
Site Status: Active Inactive Unknown

Site Description/TSD Activities:

This 95-100 acre site owned by the Port of Seattle has two steel warehouses operated by the Port and three tenants: SeaPro/SeaFreeze, a seafood processor; Foss Alaska Line, a shipper; and MRI Corp. a metal recycler. MRI is the only known generator of hazardous wastes on site. Boeing Plant # 1 was located on the S half of the site in the 1950s-60s.

Waste Types/Quantities/Characteristics:

MRI used to have evaporation ponds for metal sludges with high lead levels. These ponds (60' x 60' x 6') are now filled in. Unknown if all sludges and contaminated soils were removed. It is unknown what wastes were produced by Boeing or how they were disposed of.

Physical/Social Environment:

Most of the site is paved. Site is located in commercial/industrial area of Seattle, adjacent to the Duwamish Waterway. Three parks and four schools within one mile. There is no use of groundwater or surface water for drinking within three miles.

Pollutant Mobilization/Pathways/Risk:

Soils and groundwater around MRI's old evaporation ponds may be contaminated with subsequent potential for contamination of the Duwamish Waterway. On the old Boeing property on the south half of the site, there is potential for soils and groundwater contamination as wastes were land-filled or discharged on site.

Priority Assessment/Backlog Reduction Category:

Medium

Followup Recommendations:

MRI Corp. should be contacted to determine closure procedures for evaporation ponds and whether any soils sampling was conducted at the time they were filled in. Boeing should be contacted to determine activities and waste disposal practices on the south half of the site. Based on this information, the need for sampling of soil, groundwater and surface water can be determined.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 1 - Site Information and Assessment

I. IDENTIFICATION

01 State	02 Site Number
WA	D980726327

II. SITE NAME AND LOCATION

01 Site Name (legal, common, or descriptive name of site) Port of Seattle-Term. 115		02 Street, Route No., or Specific Location Identifier 6020 W. Marginal Way					
03 City Seattle	04 State WA	05 Zip Code 98108	06 County King		07 County Code 033	08 Cong Dist 07	
09 Coordinates Latitude Longitude		Section/Township/Range See below					
10 Directions to Site (starting from nearest public road) N1/2 Sec. 30, S1/2 Sec. 19, T24N, R4E, WM							

III. RESPONSIBLE PARTIES

01 Owner (if known) Port of Seattle, Main Off.		02 Street (business, mailing, residential) P.O. Box 1209				
03 City Seattle	04 State WA	05 Zip Code 98111	06 Telephone Number (206)3823330			
07 Operator (if known and different from owner) See below		08 Street (business, mailing, residential)				
09 City	10 State	11 Zip Code	12 Telephone Number ()			
13 Type of Ownership (check one) <input type="checkbox"/> A. Private <input type="checkbox"/> B. Federal <input type="checkbox"/> C. State <input type="checkbox"/> D. County <input type="checkbox"/> E. Municipal <input checked="" type="checkbox"/> F. Other: Port District <input type="checkbox"/> G. Unknown						
14 Owner/Operator Notification on File (check all that apply) <input type="checkbox"/> A. RCRA 3001, Date Rec'd: / / <input type="checkbox"/> B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / / <input checked="" type="checkbox"/> C. None						

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 On Site Inspection <input checked="" type="checkbox"/> Yes, Date: 69 / -- / 84 <input type="checkbox"/> No		By (check all that apply): <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA Contractor <input type="checkbox"/> C. State <input type="checkbox"/> D. Other Contractor <input type="checkbox"/> E. Local Health Official <input checked="" type="checkbox"/> F. Other: METRO inspector Contractors Name(s):				
02 Site Status (check one) <input checked="" type="checkbox"/> A. Active <input type="checkbox"/> B. Inactive <input type="checkbox"/> C. Unknown		03 Years of Operation beginning year ending year <input type="checkbox"/> Unknown Unk. Pres				
04 Description of Substances Possibly Present, Known, or Alleged Terminal 115 is a 100-acre site owned by the Port of Seattle. 2 steel warehouses on site operated by the Port for shipping. Three tenants also occupy the site: SeaPro/SeaFreeze, a seafood processor; Foss Alaska Line, a shipper; and MRI Corp., a tin recycler. MRI is the only tenant with known or suspected hazardous wastes on site. Boeing Plant #1 was on the south half of the site in the 1950's and 1960's.						
05 Description of Potential Hazard to Environment and/or Population MRI Corp. used to have sludge evaporation ponds on site; potential remains for soil and groundwater contamination, even though ponds are filled in. Boeing used to have an airplane manufacturing plant on site. It is unknown what may have resulted from this activity or what waste disposal practices were followed.						

V. PRIORITY ASSESSMENT

01 Priority for Inspection (check one; if high or medium is checked, complete Part 2 and Part 3) <input type="checkbox"/> A. High (inspection required promptly) <input checked="" type="checkbox"/> B. Medium (inspection required) <input type="checkbox"/> C. Low (inspect on time available basis) <input type="checkbox"/> D. None (no further action needed complete current disposition form)						
---	--	--	--	--	--	--

VI. INFORMATION AVAILABLE FROM

01 Contact Ned Therien	02 Of (agency/organization) WDOE		03 Telephone Number (206)4596352			
04 Person Responsible for Assessment Barbara Morson	05 Agency	06 Organization JRB Associates	07 Telephone Number (206)7477899	08 Date 11 / 27 / 84		

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 2 - Waste Information

I. IDENTIFICATION	
01 State	02 Site Number
WA	D980726327

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS		
01 Physical States (check all that apply) <input type="checkbox"/> A. Solid <input type="checkbox"/> E. Slurry <input type="checkbox"/> B. Powder, Fines <input checked="" type="checkbox"/> F. Liquid <input checked="" type="checkbox"/> C. Sludge <input type="checkbox"/> G. Gas <input type="checkbox"/> D. Other:	02 Waste Quantity at Site (measures of waste quantities must be independent) Tons: Unk. Cubic Yards: Unk. No. of Drums: Unk.	03 Waste Characteristics (check all that apply) <input checked="" type="checkbox"/> A. Toxic <input checked="" type="checkbox"/> E. Soluble <input type="checkbox"/> I. Highly Volatile <input checked="" type="checkbox"/> B. Corrosive <input type="checkbox"/> F. Infectious <input type="checkbox"/> J. Explosive <input type="checkbox"/> C. Radioactive <input type="checkbox"/> G. Flammable <input type="checkbox"/> K. Reactive <input checked="" type="checkbox"/> D. Persistent <input type="checkbox"/> H. Ignitable <input type="checkbox"/> L. Incompatible <input type="checkbox"/> M. Not Applicable

III. WASTE TYPE				
Category	Substance Name	01 Gross Amount	02 Unit of Measure	03 Comments
SLU	Sludge			
OLW	Oily Waste			
SOL	Solvents			
PSD	Pesticides			
OCC	Other Organic Chemicals			
IOC	Inorganic Chemicals			
ACD	Acids			
BAS	Bases			
MES	Heavy Metals	Unknown	N/A	Metal sludges and washwater

IV. HAZARDOUS SUBSTANCES (see Appendix for most frequently cited CAS numbers)					
01 Cat.	02 Substance Name	03 CAS Number	04 Storage/Disposal Method	05 Concentration	06 Measure of Concentration
MES	Cadmium	7440439	Permitted discharge	3	mg/l
MES	Chromium	7440473	Permitted discharge	6	mg/l
MES	Copper	7440508	Permitted discharge	3	mg/l
MES	Nickel	7440020	Permitted discharge	6	mg/l
MFS	Lead	7439921	Permitted discharge	3	mg/l
M	Zinc	7440666	Permitted discharge	5	mg/l

V. FEEDSTOCKS (see Appendix for CAS numbers)					
Category	01 Feedstock Name	02 CAS Number	Category	01 Feedstock Name	02 CAS Number
FDS	Sodium hydroxide	1310732	FDS		
FDS	Sodium nitrate	7631994	FDS		
FDS	Sodium sulphhydrate	Unknown	FDS		
FDS	Sulfuric acid	7664939	FDS		

VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, etc.)

METRO permit files for MRI Corporation; Sax, 1984

POTENTIAL HAZARDOUS WASTE SITE
 PRELIMINARY ASSESSMENT
 Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION	
01 State WA	02 Site Number D980726327

HAZARDOUS CONDITIONS AND INCIDENTS

01 (X) A. Groundwater Contamination 02 () Observed (Date:) (X) Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 Facility is located on artificial fill adjacent to the Duwamish Waterway. GW is at < 15 ft. Several tenants on site. MRI Corp. used to have evaporation ponds for spent plating wastes. GW contamination likely. Boeing conducted unknown activities here; unknown potential from them.

01 (X) B. Surface Water Contamination 02 () Observed (Date:) (X) Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 MRI Corp., a tenant on site, used to have lagoons which drained into the Duwamish River at times. High likelihood that these flows contained high lead levels. Unknown whether Boeing discharged anything to SW at this site.

01 (X) C. Contamination of Air 02 () Observed (Date:) () Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 None reported or suspected from any on site tenants. 7300 residents and transients within one mile.

01 (X) D. Fire/Explosive Conditions 02 () Observed (Date:) () Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 No known certified fire/explosion threat.

(X) E. Direct Contact 02 () Observed (Date:) () Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 Facility is fenced and access currently restricted. Unknown what the past practices were, but direct contact appears to have been unlikely.

01 (X) F. Contamination of Soil 02 () Observed (Date:) (X) Potential () Alleged

03 Area Potentially Affected (acres): 2 04 Narrative Description
 MRI Corp. had lagoons for spent plating wastes and "black muds". High likelihood of soil contamination. Boeing, on south side of site, had unknown waste disposal practices. Soil in area is artificial fill of unknown composition, presumed to be permeable sands and gravels.

01 (X) G. Drinking Water Contamination 02 () Observed (Date:) () Potential () Alleged

03 Population Potentially Affected: 0 04 Narrative Description
 No use of groundwater or surface water within three miles for drinking.

01 (X) H. Worker Exposure/Injury 02 () Observed (Date:) (X) Potential () Alleged

03 Workers Potentially Affected: Unknown 04 Narrative Description
 None reported. Unknown how many people work at Terminal 115. MRI Corp. is the only known current generator of hazardous wastes on site. Unknown what safety practices are followed.

(X) I. Population Exposure/Injury 02 () Observed (Date:) (X) Potential () Alleged

Population Potentially Affected: Unknown 04 Narrative Description
 Because there is no use of GW or SW for drinking within three miles, the only threat for population exposure is through ingestion of contaminated food organisms. The likelihood of this occurring is unknown.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
Part 3 - Description of Hazardous Conditions & Incidents

I. IDENTIFICATION

01 State	02 Site Number
WA	D980726327

HAZARDOUS CONDITIONS AND INCIDENTS (continued)

01 (X) J. Damage to Flora 02 () Observed (Date:) () Potential () Alleged
04 Narrative Description
None reported or suspected.

01 (X) K. Damage to Fauna 02 () Observed (Date:) (X) Potential () Alleged
04 Narrative Description (include name(s) of species)
None reported. The Duwamish waterway is a salmon migration route.

01 (X) L. Contamination of Food Chain 02 () Observed (Date:) (X) Potential () Alleged
04 Narrative Description
None reported. Recreational and commercial fishing occurs downstream of the site in Elliott Bay. Lead is known to bioaccumulate.

01 (X) M. Unstable Containment of Wastes 02 (X) Observed (Date: 1960's) () Potential () Alleged
(spills/runoff/standing liquids/leaking drums)
03 Population Potentially Affected: 04 Narrative Description
MRI Corp. a tenant, had evaporation ponds for plating wastes on site. It is very doubtful that these ponds were lined. They sometimes overflowed to the Duwamish River. Ponds are now filled in.

01 (X) N. Damage to Offsite Property 02 () Observed (Date:) () Potential () Alleged
04 Narrative Description
None reported or suspected.

01 (X) O. Contamination of Sewers,
Storm Drains, WWTPs 02 (X) Observed (Date: 1970's) () Potential () Alleged
04 Narrative Description
MRI Corp has had occasional violations of sewer permits for hazardous wastes. In early 1970's lead discharge was a problem, but this has been brought and kept under control.

01 (X) P. Illegal/Unauthorized Dumping 02 () Observed (Date:) () Potential () Alleged
04 Narrative Description
None known. Dragout sludges from MRI are now hauled by registered carrier to landfill. Unknown what waste disposal practices were followed at the Boeing plant.

05 Description of Any Other Known, Potential, or Alleged Hazards
Boeing plant # 1 used to be on the south half of this site. Boeing owned the land and sold it to the Port in the 1960's. The Port does not know what activities went on at the site while Boeing owned the property or what waste disposal practices were followed.

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

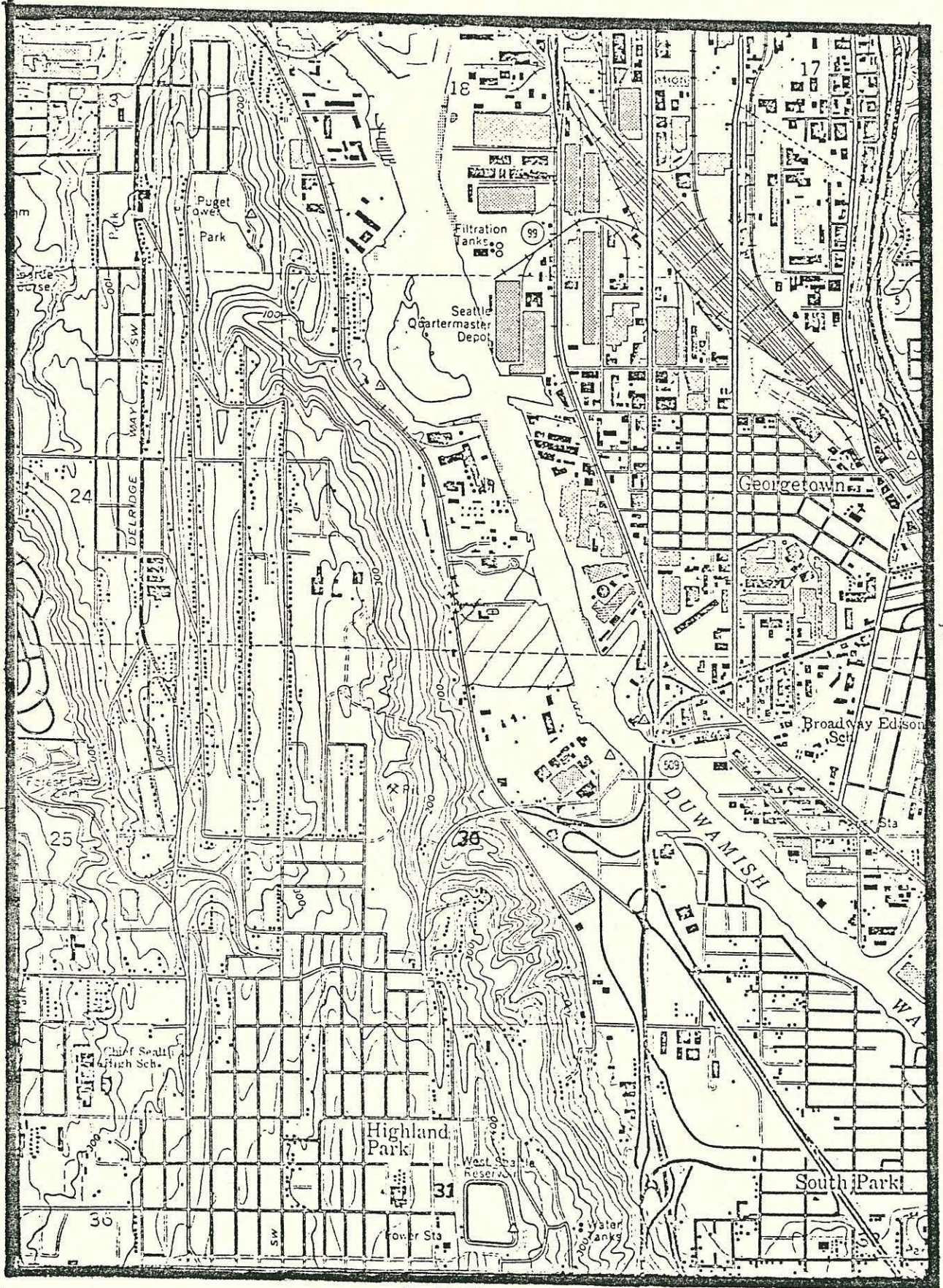
MRI Corp. should be contacted to determine closure procedures for evaporation ponds. Boeing should be contacted to determine what activities occurred on the south half of the site in the 1950's and 1960's. Based on this information, the need for sampling can be assessed and carried out if necessary.

SOURCES OF INFORMATION (cite specific references: state files, reports, etc.)

WDDE files; and S. Messman, R. McCormack, pers. comm. 10/26/84; EPA/ERRIS files; METRO files and D. Hildebrand, pers. comm., 10/26/84; 1980 Fed. Census; R. Wells, Port of Seattle, pers. comm. 10/25/84; WDDE well logs; PSCOG, 1984; USGS Seattle S Quad (1973); DSHS computer file

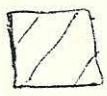
Seattle South Passage

1973



T. 241

R. 4 E



Terminal 115