

U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION 10

1200 SIXTH AVENUE

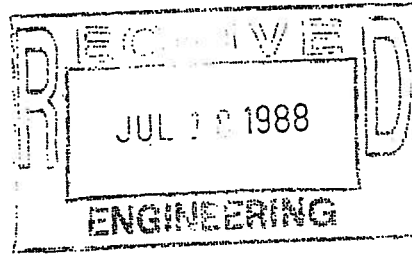
SEATTLE, WASHINGTON 98101

July 15, 1988



REPLY TO  
ATTN OF: HW-113

George Blomberg  
Port of Seattle  
P.O. Box 1209  
Seattle, Washington 98111



Dear Mr. Blomberg:

The U.S. Environmental Protection Agency (EPA), through its contractor, Ecology and Environment (E&E), has completed the site investigation of the Port of Seattle's Terminal 115. A copy of the report is enclosed.

Based on this investigation and other pertinent information, EPA finds it appropriate to defer to state authority for further consideration. Accordingly, EPA does not anticipate further investigation under the federal Superfund program. E&E's recommendations, with which EPA concurs, are outlined on pages 3 and 4 of this report.

If you have questions regarding report content or planned actions, I may be reached at (206) 442-2722.

Sincerely,

A handwritten signature in cursive script that reads "Deborah Flood".

Deborah Flood  
Environmental Protection Specialist  
Superfund Response & Investigations Section

Enclosure

cc: Bob Kievit, EPA-W00  
Emily Ray, Ecology Olympia  
John Conroy, Ecology Redmond  
Chuck Kleeberg, Seattle-King County Health Department

**SITE INSPECTION REPORT  
PORT OF SEATTLE - TERMINAL 115  
SEATTLE, WASHINGTON**

**TDD F10-8710-03**

**Report Prepared by: Ecology and Environment, Inc.  
Date: January 1988**

**Submitted to: J.E. Osborn, Regional Project Officer  
Field Operations and Technical Support Branch  
U.S. Environmental Protection Agency  
Region X  
Seattle, Washington**



# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

## MEMORANDUM

DATE: February 24, 1988

TO: John Osborn, FIT-RPO, USEPA, Region X

THRU: *for* David Buecker, FIT-OM, E&E, Seattle *dv*

FROM: William Richards, FIT-SM, E&E, Seattle *WMR*

SUBJ: Trip Report  
Port of Seattle - Terminal 115  
Seattle, Washington

REF: TDD F10-8710-03

CC: Deborah Flood, HWD-SM, USEPA, Region X  
Robert Duffner, FIT-PM, E&E, Seattle  
Thomas Tobin, E&E, Seattle

### 1. Purpose of the Site Inspection:

Under Technical Directive Document (TDD) F10-8710-03, Ecology and Environment, Inc. (E&E) conducted a file review and an on-site inspection of the Port of Seattle - Terminal 115 to obtain additional information regarding wastes disposed of at the facility, local environmental conditions, and water usage in the area. The information in this trip report is based on data derived from available files and the on-site visit. Further research of site activities may alter or enhance the information/conclusions presented below.

### 2. Persons Conducting the Site Inspection:

William Richards, E&E, Seattle (206) 624-9573  
Robert Duffner, Project Manager, E&E, Seattle (206) 624-9537

### 3. Date of Inspection:

November 3, 1987                      1300 - 1430 hours

4. Persons Contacted for the Site Inspection:

George Blomberg, Environmental Engineer, Port of Seattle,  
Seattle, Washington (206) 728-3100

Jack Force, Plant Manager, MRI Corporation,  
Seattle, Washington (206) 767-4337

5. Information Obtained During the Site Inspection:

- o The Port of Seattle's Terminal 115 is located in Sections 19 and 30, Township 24 North, Range 4 East, along the west shore of the Duwamish Waterway at 6020 West Marginal Way, Seattle, Washington, 98108 (1).
- o The site covers approximately 90 acres and was paved in 1986. Surface water is collected from the site by storm drains and is discharged to the Duwamish Waterway (1,2).
- o Boeing Plant I was located on the southern part of the property from 1917 until 1969 (see Figure 1). The Boeing Plant employed a number of aircraft manufacturing processes, including electroplating, painting, and metal cleaning facilities. According to Boeing representatives, all wastes were transported off site to Western Processing, Queen City Farms, and South Park Landfill with the exception of rinse waters, which were stored in on-site holding tanks. Boeing was unable to supply hazardous waste quantities generated at the site (2).
- o The Port currently leases portions of the site. On-site lessees include a barge transportation company, a frozen foods transporter, and MRI Corporation, a metal recycling company. The Port uses unleased areas of the site for storage and cargo handling (3).
- o The MRI Corporation is presently located on the northwest corner of the property (see Figure 1). MRI, formerly M&T Chemicals, Inc., recycles steel cans to extract tin, and markets tin ingots and other less pure tin products (4).
- o During the 1970s, M&T Chemicals discharged heavy metal sludge wastes from the metal recycling process to a lagoon measuring approximately 60' x 60' x 6'. In approximately 1978, M&T Chemicals became MRI. At that time, the sludge lagoons were excavated and filled. The excavated material was shipped to a tin recycler in Texas. MRI currently employs a plant process that generates significantly less sludge, which is stored under plastic in piles until it is removed for sale. The sludge reportedly contains zinc and lead, although according to the plant

manager, sludge extract concentrations are below the EP Toxicity criteria for hazardous waste (4).

- o MRI currently discharges wastewater under permit to the METRO sewer system. The wastewater is neutralized before entering the sewer system. METRO discharge monitoring requirements at the site include routine analysis for cadmium, chromium, copper, lead, zinc, and pH. According to the plant manager, MRI has never received a discharge violation from METRO. All spills inside the plant are collected in a sump, and recycled back into the production process (4).
- o A small oil spill on the site was investigated by the Coast Guard in 1986, found as a result of a traceable oil sheen in the waterway adjacent to the site (3).
- o The site is situated in the heavily industrialized corridor surrounding the Duwamish Waterway in south Seattle. No registered ground water or surface water intakes for drinking purposes exist within three miles of the site (5).

#### 6. Conclusions and Recommendations

- o Terminal 115 is a 90-acre site, covered with asphalt. Currently, three lessees occupy parts of the site.
- o Boeing Plant I was located on the southern part of the property. Boeing reportedly did not dispose of any hazardous wastes on the site.
- o MRI Corporation, a metal recycler, currently leases a part of the site from the Port of Seattle. MRI generates small amounts of nonhazardous sludges, and discharges permitted wastewater to the METRO sewer system. Former sludge lagoons at the facility have been excavated and covered with sandy gravel.
- o Although hazardous wastes have likely been generated and stored at Terminal 115 (Boeing Co. wastes and former MRI Corp. sludges), the site appears to have low potential to cause human health problems or environmental damage for the following reasons:
  - the known hazardous wastes stored on site have been removed;
  - the site has been covered by asphalt; and
  - ground water and surface water are not used for consumptive purposes within three miles of the site.

Accordingly, further investigation under CERCLA/SARA is not recommended. However, continued monitoring of storm drain and sewer discharges should be conducted by METRO or other local public health agencies.

#### REFERENCES

1. USGS, 7.5' Topographic Map, 1979. Seattle South Quadrangle.
2. Ecology and Environment, Inc., 1987. Preliminary Assessment QA Review for Port of Seattle, Terminal 115. TDD F10-8701-07.
3. George Blomberg, Environmental Engineer, Port of Seattle. Personal communication with William Richards, Ecology and Environment, Inc., during site visit, 11/03/87.
4. Jack Force, Plant Manager, MRI Corporation. Personal communication with William Richards, Ecology and Environment, Inc., during site visit, 11/03/87.
5. State of Washington, Department of Ecology. Water Rights Abstract for Duwamish Waterway Area.

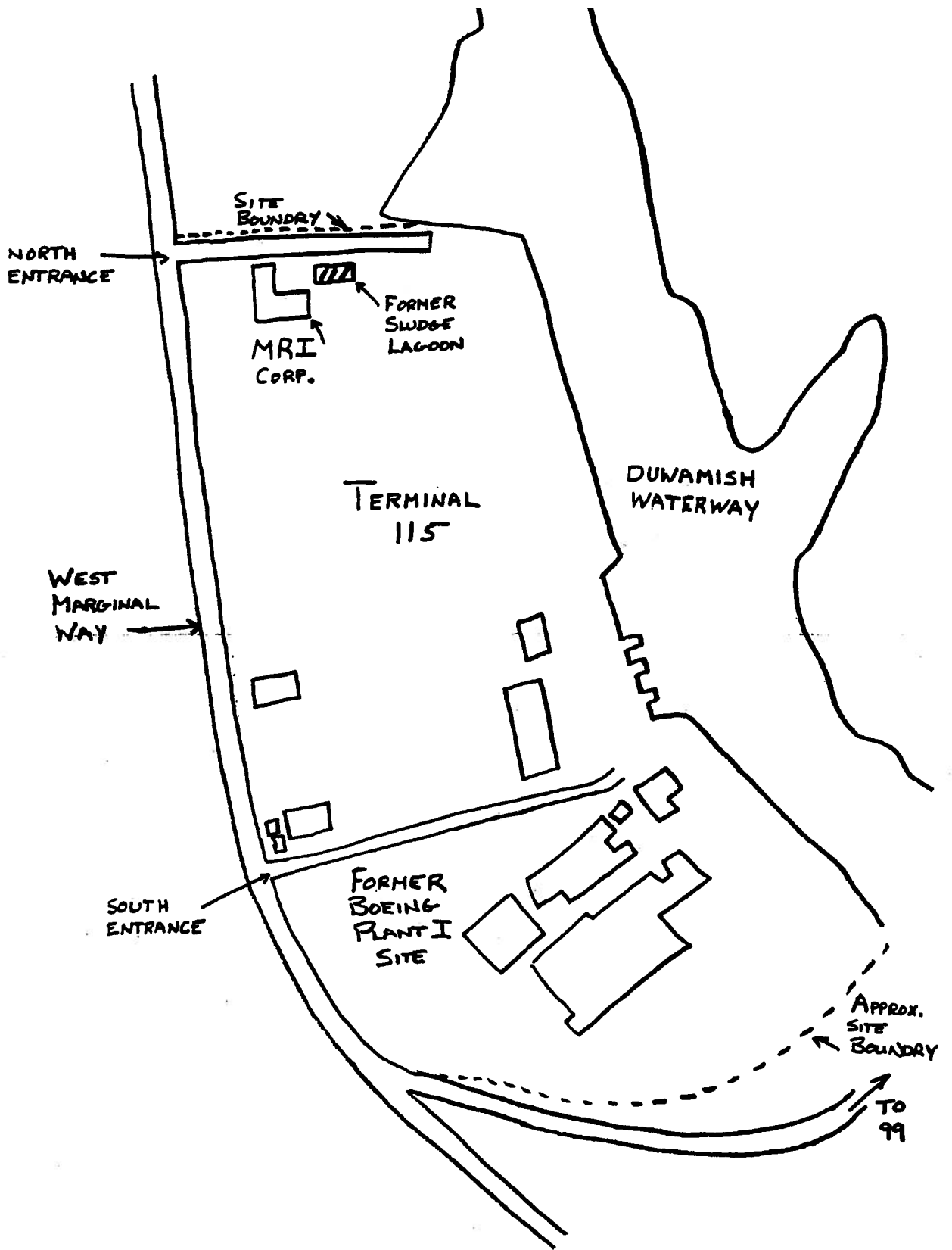
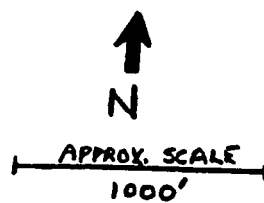


FIGURE 1  
 TERMINAL 115  
 SITE SKETCH



POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

EPA

PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Port of Seattle - Terminal 115		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 6020 West Marginal Way			
03 CITY Seattle		04 STATE WA	05 ZIP CODE 98108	06 COUNTY King	07 COUNTY CODE 033
09 COORDINATES LATITUDE 47° 33' 00.0"		LONGITUDE 122° 20' 25.0"		10 TYPE OF OWNERSHIP (Check one) A. PRIVATE ___ B. FEDERAL ___ C. STATE ___ D. COUNTY ___ X E. MUNICIPAL ___ F. OTHER ___ G. UNKNOWN ___	

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 11/03/87 MO/DAY/YR		02 SITE STATUS X ACTIVE ___ INACTIVE	03 YEARS OF OPERATION 1917   Present BEGINNING YEAR   ENDING YEAR		08 UNKNOWN
04 AGENCY PERFORMING INSPECTION (Check all that apply) A. EPA ___ X B. EPA CONTRACTOR Ecology & Environment, Inc. ___ C. MUNICIPAL ___ D. MUNICIPAL CONTRACTOR ___ (Name of firm) (Name of firm) E. STATE ___ F. STATE CONTRACTOR ___ G. OTHER ___ (Name of firm) (Specify)					

05 CHIEF INSPECTOR William Richards	06 TITLE Field Inspector	07 ORGANIZATION E&E, Inc.	08 TELEPHONE NO. (206) 624-9537
09 OTHER INSPECTORS Robert Duffner	10 TITLE Field Inspector	11 ORGANIZATION E&E, Inc.	12 TELEPHONE NO. (206) 624-9537
13 SITE REPRESENTATIVES INTERVIEWED George Blomberg		14 TITLE Env. Engineer Port of Seattle	15 ADDRESS P.O. Box 1209 Seattle, WA
Jack Force		Plant Manager	16 TELEPHONE NO. (206) 728-3100  (206) 767-4337

17 ACCESS GAINED BY (Check one) X PERMISSION ___ WARRANT	18 TIME OF INSPECTION 1300 - 1430	19 WEATHER CONDIIONS Overcast, 50°, no wind.
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IV. INFORMATION AVAILABLE FROM

01 CONTACT Deborah Flood	02 OF (Agency/Organization) USEPA Region X Superfund		03 TELEPHONE NO. (206) 442-722
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM William Richards	05 AGENCY EPA-FIT	06 ORGANIZATION E&E, Inc.	07 TELEPHONE NO. (206) 624-9537
			08 DATE 11/16/87



EPA

POTENTIAL HAZARDOUS WASTE SITE  
 SITE INSPECTION REPORT  
 PART 2 - WASTE INFORMATION

I. IDENTIFICATION  
 01 STATE WA 02 SITE NUMBER  
 D980726327

## II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

PHYSICAL STATES (Check all that apply) <input type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER (Specify) _____ <input type="checkbox"/> E. SLURRY <input type="checkbox"/> F. LIQUID <input type="checkbox"/> G. GAS	02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)  TONS <u>Unknown</u>  CUBIC YARDS <u>approx. 9.3</u>  NO. OF DRUMS <u>unknown</u>	03 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE
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## III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	Unknown		MRI Corp. wastes
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown		Boeing Plant I
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS	Unknown		Boeing Plant I
ACD	ACIDS	Unknown		Boeing Plant I
BAS	BASES			
MES	HEAVY METALS	Unknown		Boeing Plant I

## IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Lead	999	Surface Impoundment	Unknown	
MES	Zinc	999	Surface Impoundment	Unknown	

## V. FEEDSTOCKS (See Appendix for CAS Numbers) (MRI Corp.)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Sulfuric Acid	7664-93-9	FDS		
FDS	Sodium Nitrate	7632-00-0	FDS		
FDS	Sodium Sulphate	999	FDS		
FDS	Sodium Hydroxide	1310-73-2	FDS		

## VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
 USEPA Site File, MRI Corp. Metro Waste Discharge Permit

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA	02 SITE NUMBER D980726327
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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUND WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Potential ground water contamination from residuals in buried lagoon at MRI Corporation and from asphalt covered waste handling areas at the former Boeing Plant I Site. Shallow ground water lies approximately 10 to 13 feet below the site. Ground water may be hydraulically connected to the adjacent Duwamish Waterway.

01 X B. SURFACE WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported or observed. Site is covered with asphalt and served by storm drains. The Duwamish Waterway is adjacent to the site. Storm drains discharge to the waterway. Hydraulic connections exist between ground water and the Duwamish Waterway and potentially contaminated ground water could affect the Waterway.

01  C. CONTAMINATION OF AIR 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  D. FIRE/EXPLOSIVE CONDITIONS 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  E. DIRECT CONTACT 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01 X F. CONTAMINATION OF SOIL 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 AREA POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
 (ACRES)

Potential soil contamination from residuals in MRI lagoon or the former Boeing Plant I Site.

01  G. DRINKING WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected. The ground water and surface water within three miles of the site are not utilized for drinking water.

01  H. WORKER EXPOSURE/INJURY 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  I. POPULATION EXPOSURE/INJURY 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)

01     J. DAMAGE TO FLORA 02     OBSERVED (DATE:           )     POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION  
 None reported, observed, or suspected.

01     K. DAMAGE TO FAUNA 02     OBSERVED (DATE:           )     POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION (Include name(s) of species)  
 None reported, observed, or suspected.

01   X   L. CONTAMINATION OF FOOD CHAIN 02     OBSERVED (DATE:           )   X   POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION  
 None reported or observed. Ground water may potentially be contaminated with metals from MRIs buried lagoon, Contaminated ground water may discharge to the Duwamish Waterway, and as a result, threaten food chain organisms. food chain organisms.

01     M. UNSTABLE CONTAINMENT OF WASTES 02     OBSERVED (DATE:           )     POTENTIAL     ALLEGED  
 (Spills/runoff/standing liquids/leaking drums)  
 03 POPULATION POTENTIALLY AFFECTED:            04 NARRATIVE DESCRIPTION  
 The MRI Corporation lagoon was not lined. Prior to burial, the lagoon was dredged to an unknown depth.

01     N. DAMAGE TO OFFSITE PROPERTY 02     OBSERVED (DATE:           )     POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION  
 None reported, observed, or suspected.

01   X   O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS 02     OBSERVED (DATE:           )   X   POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION  
 None reported or observed. Potential of contaminants from spills, leaks, etc. flowing over asphalt to storm drains located on site.

01     P. ILLEGAL/UNAUTHORIZED DUMPING 02     OBSERVED (DATE:           )     POTENTIAL     ALLEGED  
 04 NARRATIVE DESCRIPTION  
 None reported, observed, or suspected.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS  
 None

III. TOTAL POPULATION POTENTIALLY AFFECTED:    0   

IV. COMMENTS

Drinking water obtained from reservoirs located >30 miles from the site. Low potential of surface water release, air release, or direct contact because site is covered.

V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
 Ecology Well Log Files.  
 Department of Social and Health Services Public Water Supply Services.

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input checked="" type="checkbox"/> H. LOCAL (Specify) METRO	7067-R11/84-1	1984	1989	Sewer Discharge for MRI Corp.
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 Other
<input checked="" type="checkbox"/> A. SURFACE IMPOUNDMENT	21,600	ft <sup>3</sup>	<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE approx. 20
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input checked="" type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input checked="" type="checkbox"/> D. TANK, ABOVE GROUND	Unknown		<input type="checkbox"/> D. BIOLOGICAL	06 AREA OF SITE approx. 90 (Acres)
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

MRI Corp. used a 60' x 60' x 6' lagoon for sludge disposal on site until the late 1970s. Boeing reportedly stored hazardous wastes in tanks until it was transported off site for disposal.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)	Unknown
<input type="checkbox"/> A. ADEQUATE, SECURE	<input type="checkbox"/> B. MODERATE
<input type="checkbox"/> C. INADEQUATE, POOR	<input checked="" type="checkbox"/> D. INSECURE, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.	
Former waste lagoon at MRI was unlined. Lagoon has since been excavated and covered with native soil. Containment practices at former Boeing plant are unknown.	

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
02 COMMENTS		
All potential wastes on site are covered.		

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
 USEPA Site File, Letter from Boeing, 03/11/87.  
 Jack Force, MRI Corp., Personal Communication, 11/09/87.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

EPA

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. DRINKING WATER SUPPLY

TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS			03 DISTANCE TO SITE	
SURFACE WELL		ENDANGERED	AFFECTED	MONITORED		
COMMUNITY	A. <u>X</u> B. <u>    </u>	A. <u>    </u>	B. <u>    </u>	C. <u>X</u>	A. <u>&gt;30</u> (mi)	
NON-COMMUNITY	C. <u>    </u> D. <u>    </u>	D. <u>    </u>	E. <u>    </u>	F. <u>    </u>	B. <u>    </u> (mi)	

III. GROUND WATER

01 GROUND WATER USE IN VICINITY (Check one)

     A. ONLY SOURCE FOR DRINKING         B. DRINKING (Other sources available)    X C. COMMERCIAL, INDUSTRIAL IRRIGATION (Limited other sources available)         D. NOT USED, UNUSABLE

COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

02 POPULATION SERVED BY GROUND WATER <u>    0    </u>		03 DISTANCE TO NEAREST DRINKING WATER WELL <u>    &gt;3    </u> (mi)			
04 DEPTH TO GROUND WATER <u>    10 - 13    </u> (ft)	05 DIRECTION OF GROUND WATER FLOW <u>    East    </u>	06 DEPTH TO AQUIFER OF CONCERN <u>    10 - 13    </u> (ft)	07 POTENTIAL YIELD OF AQUIFER <u>    Unknown    </u> (gpd)	08 SOLE SOURCE AQUIFER <u>    YES    </u> <u>X</u> <u>    NO    </u>	

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

One registered well within three miles of the site is used for commercial/industrial use and is located approximately two miles northeast of the site. Drinking water is supplied by the City of Seattle, and is obtained from reservoirs in the Cascade Mountains over 30 miles from the site.

10 RECHARGE AREA		11 DISCHARGE AREA	
<u>    YES    </u> COMMENTS	<u>    X    </u> YES COMMENTS	<u>    X    </u> YES COMMENTS	<u>    NO    </u> COMMENTS
<u>    X    </u> NO		<u>    NO    </u> Adjacent to the Duwamish Waterway	

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

    X     A. RESERVOIR, RECREATION DRINKING WATER SOURCE        X     B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES         C. COMMERCIAL, INDUSTRIAL         D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
<u>    Duwamish Waterway    </u>	<u>    </u>	<u>    0.2    </u> (mi)
<u>    Harms Creek    </u>	<u>    </u>	<u>    2.7    </u> (mi)
<u>    </u>	<u>    </u>	<u>    </u> (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN			02 DISTANCE TO NEAREST POPULATION	
ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE	<u>    0    </u> (mi)	
A. <u>    approx. 2,000    </u>	B. <u>    approx. 10,000    </u>	C. <u>    approx. 31,000    </u>		
NO. OF PERSONS	NO. OF PERSONS	NO. OF PERSONS		
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>    &gt;1,000    </u>			04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>    0    </u> (mi)	

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is located in a heavily industrialized area. Densely populated suburban areas located on the bluffs west of the site.

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

II. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one) Artificial Fill; Variable Permeability  
 \_\_\_ A.  $10^{-6} - 10^{-8}$  cm/sec \_\_\_ B.  $10^{-4} - 10^{-6}$  cm/sec \_\_\_ C.  $10^{-4} - 10^{-3}$  cm/sec \_\_\_ D. GREATER THAN  $10^{-3}$  cm/sec

02 PERMEABILITY OF BEDROCK (Check one) Unknown  
 \_\_\_ A. IMPERMEABLE (Less than  $10^{-6}$  cm/sec) \_\_\_ B. RELATIVELY IMPERMEABLE ( $10^{-4} - 10^{-6}$  cm/sec) \_\_\_ C. RELATIVELY PERMEABLE ( $10^{-2} - 10^{-4}$  cm/sec) \_\_\_ D. VERY PERMEABLE (Greater than  $10^{-2}$  cm/sec)

03 DEPTH TO BEDROCK >150 (ft) 04 DEPTH OF CONTAMINATED SOIL ZONE Unknown (ft) 05 SOIL pH Unknown

06 NET PRECIPITATION 19 (in) 07 ONE YEAR 24-HOUR RAINFALL 1.76 (in) 08 SLOPE SITE SLOPE 0 % DIRECTION OF SITE SLOPE N/A TERRAIN AVERAGE SLOPE 8 %

09 FLOOD POTENTIAL SITE IS IN >500 YEAR FLOOD PLAN 10 N/A SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum) ESTUARINE OTHER A. N/A (mi) B. N/A (mi) 12 DISTANCE TO CRITICAL HABITAT (of endangered species) >3 (mi) ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY DISTANCE TO: COMMERCIAL/INDUSTRIAL A. 0 (mi) RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES B. 0.25 (mi) AGRICULTURAL LANDS PRIME AG LAND AG LAND C. >3 (mi) D. >3 (mi)

4 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY  
 The site is located between the Duwamish Waterway and the Bluffs of West Seattle, which rise approximately 220 feet within 1/2 mile of the site. The site is generally flat, although surface drainage from the site is discharged to the Duwamish Waterway.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- E&E Site Inspection, 11/03/87.
- King Co. Land Development Information System, Annual Growth Report, 1987.
- Flood Hazard Map, Dept. of Housing and Urban Development, 1977.
- USGS 7.5 Min. Topographic Map: Seattle South and Duwamish Head, WA., 1949.
- Precipitation Frequency Atlas of Washington, NOAA, 1973.
- Climatic Atlas of the U.S., Dept. of Commerce, 1979.

**II. SAMPLES TAKEN**

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUND WATER	None		
SURFACE WATER	None		
WASTE	None		
AIR	None		
RUNOFF	None		
SPILL	None		
SOIL	None		
VEGETATION	None		
OTHER	None		

**III. FIELD MEASUREMENTS TAKEN**

01 TYPE	02 COMMENTS
N/A	

**IV. PHOTOGRAPHS AND MAPS**

01 TYPE <input checked="" type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF USEPA Region X Superfund (Name of organization or individual)
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS USEPA site File

**V. OTHER FIELD DATA COLLECTED (Provide narrative description)**

Samples not collected because all wastes have been removed from the site and there is low potential for human health risks or environmental damage from the site.

**VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)**

E&E Site Inspection, 11/03/87.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 7 - OWNER INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. CURRENT OWNER(S)				PARENT COMPANY (If applicable)			
01 NAME Port of Seattle		02 D+B NUMBER		08 NAME (same)		09 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.) P.O. Box 1209			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE
05 CITY Seattle	06 STATE WA	07 ZIP CODE 98111		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (If applicable; list most recent first)			
01 NAME Boeing Company		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 3707			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE
05 CITY Seattle	06 STATE WA	07 ZIP CODE 98124-2207		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
USEPA Site File, Letter from Boeing, 03/11/87.



POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 8 - OPERATOR INFORMATION

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (If applicable)			
01 NAME MRI Corporation (lesser)		02 D+B NUMBER		10 NAME Proler International		11 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.) 6000 West Marginal Way			04 SIC CODE	12 STREET ADDRESS (P.O. BOX, RFD #, ETC.) Unknown			13 SIC CODE
05 CITY Seattle		06 STATE WA	07 ZIP CODE 98108		14 CITY Houston		15 STATE TX
08 YEARS OF OPERATION 1977 - Present		09 NAME OF OWNER Port of Seattle					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)			
01 NAME Boeing Company		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) (Same)			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE		14 CITY		15 STATE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE		14 CITY		15 STATE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE		14 CITY		15 STATE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)							
E&E Site Inspection, 11/03/87. USEPA Site File.							

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 9 - GENERATOR/TRANSPORTER INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA	02 SITE NUMBER D980726327
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II. ON-SITE GENERATOR

01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME N/A	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME N/A	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE WA	02 SITE NUMBER D980726327
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EPA

I. PAST RESPONSE ACTIVITIES

01	A. WATER SUPPLY CLOSED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	B. TEMPORARY WATER SUPPLY PROVIDED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	C. PERMANENT WATER SUPPLY PROVIDED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	D. SPILLED MATERIAL REMOVED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	E. CONTAMINATED SOIL REMOVED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	F. WASTE REPACKAGED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	G. WASTE DISPOSED ELSEWHERE	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	H. ON SITE BURIAL	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	I. IN SITU CHEMICAL TREATMENT	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	J. IN SITU BIOLOGICAL TREATMENT	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	K. IN SITU PHYSICAL TREATMENT	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	L. ENCAPSULATION	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	M. EMERGENCY WASTE TREATMENT	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	N. CUTOFF WALLS	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	O. EMERGENCY DIKING/SURFACE WATER DIVERSION	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	P. CUTOFF TRENCHES/SUMP	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	Q. SUBSURFACE CUTOFF WALL	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		

EPA

POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. PAST RESPONSE ACTIVITIES (Continued)

01	R. BARRIER WALLS CONSTRUCTED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	S. CAPPING/COVERING	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	T. BULK TANKAGE REPAIRED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	U. GROUT CURTAIN CONSTRUCTED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	V. BOTTOM SEALED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	W. GAS CONTROL	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	X. FIRE CONTROL	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	Y. LEACHATE TREATMENT	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	Z. AREA EVACUATED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	1. ACCESS TO SITE RESTRICTED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	2. POPULATION RELOCATED	02 DATE	03 AGENCY
04	DESCRIPTION None		
01	3. OTHER REMEDIAL ACTIVITIES	02 DATE	03 AGENCY
04	DESCRIPTION None		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USEPA Site File

I. IDENTIFICATION	
01 STATE WA	02 SITE NUMBER D980726327

EPA

**ENFORCEMENT INFORMATION**

PAST REGULATORY/ENFORCEMENT ACTION  YES  NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

None

**III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)**

E&E Site Inspection, 11/03/87.  
USEPA Site File.

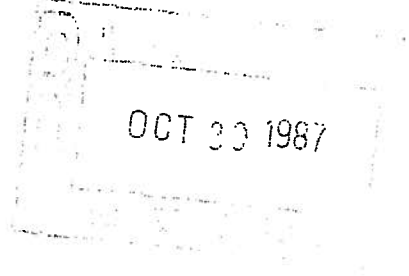


# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

October 23, 1987



Mr. George Blomberg  
Engineering Department  
Port of Seattle  
P.O. Box 1209  
Seattle, WA 98111

Dear Mr. Blomberg:

Per your conversation with William Richards of our office on October 15, 1987, this letter is to confirm our visit to the Port of Seattle, Terminal 115, located in Seattle, Washington, on November 3, 1987, at 1:00 pm.

Terminal 115 has been identified by the United States Environmental Protection Agency (EPA) Region X and the Washington State Department of Ecology from preliminary screening as requiring additional information to accurately profile the nature and extent of past waste disposal activity at the site.

The EPA has been given authority under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (42 U.S.C. § 6901 et seq.; Sec. 104), to gain access to sites where hazardous substances may have been generated, stored, treated, disposed, or transported. Ecology and Environment, Inc. (E&E) is an authorized contractor of EPA (Contract No. 68-01-7347) (CERCLA; Sec. 115) and is acting on their behalf as field investigators.

A site inspection is performed to determine the impact or potential impact on the environment of any hazardous substances which may exist in an uncontrolled manner at your facility. A site inspection is subsequently reflected in a report (EPA Form #2070-13), a copy of which is enclosed for your information. The site inspection report provides a basis for determining if any further action is required at the site.

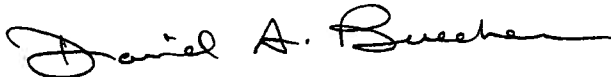
A checklist is also provided. The inspection process can be expedited if you will provide the information outlined in the checklist.

Your organization may assert a claim of confidentiality for any information entitled to protection under 40 CFR, Part 2, Subpart B by designating data you believe is entitled to such protection and submitting that data separately.

Page 2  
Mr. George Blomberg

I expect that a representative of the Washington State Department of Ecology will participate in the inspection. If you have any questions regarding our site visit, please contact William Richards or me at (206) 624-9537. Please contact Deborah Flood, USEPA, at (206) 442-2722 if you have questions regarding the purpose of this visit.

Sincerely yours,



David A. Buecker  
Field Investigation Team Manager

DAB:rls

Enclosures

CC: Deborah Flood, HWD-SM, USEPA, Region X  
John Osborn, ESD-PO, USEPA, Region X  
Robert Duffner, E&E, Seattle  
Thomas Tobin, E&E, Seattle  
William Richards, E&E, Seattle

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 10  
1200 SIXTH AVENUE  
SEATTLE, WASHINGTON 98101



REPLY TO  
ATTN OF

LETTER OF INTRODUCTION

This is to certify that William Richards, of Ecology and Environment, Inc., whose signature, photograph, and physical description appear below, is a duly authorized consultant for the Environmental Protection Agency. This authorization is binding under EPA Contract Number 68-01-7347, which covers FIT activities at uncontrolled hazardous substance disposal sites. It is requested that, upon presentation of this letter, he be allowed to enter upon or through any facility:

- a. maintained by any person where hazardous wastes are generated, stored, treated, disposed of, or transported;
- b. to collect samples of any hazardous wastes and samples of any containers;
- c. to have access to and to copy all records relating to such wastes;
- d. to determine compliance with sanitary landfill criteria, standards applicable to waste generators, transporters, and owners and operators of hazardous waste treatment, storage, compliance order, or court order issued pursuant to the Resource Conservation and Recovery Act;
- e. to observe operations, and when deemed appropriate, to talk to employees concerning waste management practices.

The statutory basis for these inspections is contained in Section 3007 of the Resource Conservation and Recovery Act, and Section 308 of the Clean Water Act.

Requested industry information may not be withheld from the EPA on the grounds that it is considered to be confidential or proprietary. The EPA can protect information deemed to be privileged or confidential, trade secrets, and commercial or financial information, (40 C.F.R. §§2.203, 2.204). Accordingly, please indicate any information which you consider to be privileged or confidential so that the Agency may take appropriate protective measures.



The regulations (40 C.F.R. §2.211) preclude EPA employees from wrongfully using or disclosing any business information obtained during the performance of the employee's official duties. In addition, EPA employees must take all appropriate actions to safeguard confidential business information from improper disclosure. EPA employees who violate these requirements are subject to dismissal, suspension, or fines. Criminal action may be taken against EPA employees who willfully disclose business information.

A contractor with the EPA who obtains business information during execution of an EPA contract can disclose information only as allowed in the contract. Violation of these requirements by a contractor may be grounds for suspending the contract or contractor employee.

Photograph

Height: 5' 11"  
Weight: 155 lbs.  
Color of Eyes: Blue  
Color of Hair: Brown  
Date of Birth: 05/19/62  
Signature: William M. Richards  
Expiration Date: October 31, 1991



Approved By:

Robie G. Russell  
Regional Administrator

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
Summary Memorandum

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 SW  
Seattle, WA 98108

Contact: John Dohrmann  
Telephone: (206) 382-3330  
Site Status: (X) 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 3 - Description of Hazardous Conditions & Incidents

**I. IDENTIFICATION**

01 State WA	02 Site Number D980726327
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**II. 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.			
01 (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.			
01 (X) I. Population Exposure/Injury	02 ( ) Observed (Date: )	(X) Potential	( ) Alleged
03 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

II. 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 (spills/runoff/standing liquids/leaking drums)	02 (X) Observed (Date: 1960's )	( ) Potential	( ) Alleged
03 Population Potentially Affected: 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.

V. 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

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

**III. RESPONSIBLE PARTIES**

01 Owner (if known) <b>Port of Seattle, Main Off.</b>		02 Street (business, mailing, residential) <b>P.O. Box 1209</b>			
03 City <b>Seattle</b>	04 State <b>WA</b>	05 Zip Code <b>98111</b>	06 Telephone Number <b>(206)3823330</b>		
07 Operator (if known and different from owner) <b>See below</b>		08 Street (business, mailing, residential)			
09 City	10 State	11 Zip Code	12 Telephone Number <b>( )</b>		
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: <b>Port District</b> <input type="checkbox"/> G. Unknown					
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: <b>69 /-- /84</b> <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: <b>METRO inspector</b> 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 <b>Unk.   Pres</b> <input type="checkbox"/> Unknown			
04 Description of Substances Possibly Present, Known, or Alleged  <b>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.</b>					
05 Description of Potential Hazard to Environment and/or Population  <b>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.</b>					

**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)			
---	--	--	--

**INFORMATION AVAILABLE FROM**

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

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
MES	Lead	7439921	Permitted discharge	3	mg/l
MES	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 sulfhydrate	Unknown	FDS		
FDS	Sulfuric acid	7664939	FDS		

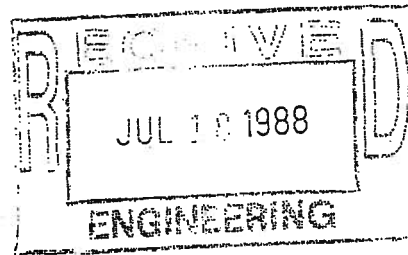
VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, etc.)

METRO permit files for MRI Corporation; Sax, 1984

U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 10  
1200 SIXTH AVENUE  
SEATTLE, WASHINGTON 98101  
July 15, 1988



REPLY TO  
ATTN OF: HW-113



George Blomberg  
Port of Seattle  
P.O. Box 1209  
Seattle, Washington 98111

Dear Mr. Blomberg:

The U.S. Environmental Protection Agency (EPA), through its contractor, Ecology and Environment (E&E), has completed the site investigation of the Port of Seattle's Terminal 115. A copy of the report is enclosed.

Based on this investigation and other pertinent information, EPA finds it appropriate to defer to state authority for further consideration. Accordingly, EPA does not anticipate further investigation under the federal Superfund program. E&E's recommendations, with which EPA concurs, are outlined on pages 3 and 4 of this report.

If you have questions regarding report content or planned actions, I may be reached at (206) 442-2722.

Sincerely,

A handwritten signature in cursive script that reads "Deborah Flood".

Deborah Flood  
Environmental Protection Specialist  
Superfund Response & Investigations Section

Enclosure

cc: Bob Kievit, EPA-W00  
Emily Ray, Ecology Olympia  
John Conroy, Ecology Redmond  
Chuck Kleeberg, Seattle-King County Health Department

**SITE INSPECTION REPORT  
PORT OF SEATTLE - TERMINAL 115  
SEATTLE, WASHINGTON**

**TDD F10-8710-03**

**Report Prepared by: Ecology and Environment, Inc.  
Date: January 1988**

**Submitted to: J.E. Osborn, Regional Project Officer  
Field Operations and Technical Support Branch  
U.S. Environmental Protection Agency  
Region X  
Seattle, Washington**





# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

## MEMORANDUM

DATE: February 24, 1988

TO: John Osborn, FIT-RPO, USEPA, Region X

THRU: *for* David Buecker, FIT-OM, E&E, Seattle *dr*

FROM: William Richards, FIT-SM, E&E, Seattle *WR*

SUBJ: Trip Report  
Port of Seattle - Terminal 115  
Seattle, Washington

REF: TDD F10-8710-03

CC: Deborah Flood, HWD-SM, USEPA, Region X  
Robert Duffner, FIT-PM, E&E, Seattle  
Thomas Tobin, E&E, Seattle

### 1. Purpose of the Site Inspection:

Under Technical Directive Document (TDD) F10-8710-03, Ecology and Environment, Inc. (E&E) conducted a file review and an on-site inspection of the Port of Seattle - Terminal 115 to obtain additional information regarding wastes disposed of at the facility, local environmental conditions, and water usage in the area. The information in this trip report is based on data derived from available files and the on-site visit. Further research of site activities may alter or enhance the information/conclusions presented below.

### 2. Persons Conducting the Site Inspection:

William Richards, E&E, Seattle (206) 624-9573  
Robert Duffner, Project Manager, E&E, Seattle (206) 624-9537

### 3. Date of Inspection:

November 3, 1987                      1300 - 1430 hours

4. Persons Contacted for the Site Inspection:

George Blomberg, Environmental Engineer, Port of Seattle,  
Seattle, Washington (206) 728-3100

Jack Force, Plant Manager, MRI Corporation,  
Seattle, Washington (206) 767-4337

5. Information Obtained During the Site Inspection:

- o The Port of Seattle's Terminal 115 is located in Sections 19 and 30, Township 24 North, Range 4 East, along the west shore of the Duwamish Waterway at 6020 West Marginal Way, Seattle, Washington, 98108 (1).
- o The site covers approximately 90 acres and was paved in 1986. Surface water is collected from the site by storm drains and is discharged to the Duwamish Waterway (1,2).
- o Boeing Plant I was located on the southern part of the property from 1917 until 1969 (see Figure 1). The Boeing Plant employed a number of aircraft manufacturing processes, including electroplating, painting, and metal cleaning facilities. According to Boeing representatives, all wastes were transported off site to Western Processing, Queen City Farms, and South Park Landfill with the exception of rinse waters, which were stored in on-site holding tanks. Boeing was unable to supply hazardous waste quantities generated at the site (2).
- o The Port currently leases portions of the site. On-site lessees include a barge transportation company, a frozen foods transporter, and MRI Corporation, a metal recycling company. The Port uses unleased areas of the site for storage and cargo handling (3).
- o The MRI Corporation is presently located on the northwest corner of the property (see Figure 1). MRI, formerly M&T Chemicals, Inc., recycles steel cans to extract tin, and markets tin ingots and other less pure tin products (4).
- o During the 1970s, M&T Chemicals discharged heavy metal sludge wastes from the metal recycling process to a lagoon measuring approximately 60'x 60'x 6'. In approximately 1978, M&T Chemicals became MRI. At that time, the sludge lagoons were excavated and filled. The excavated material was shipped to a tin recycler in Texas. MRI currently employs a plant process that generates significantly less sludge, which is stored under plastic in piles until it is removed for sale. The sludge reportedly contains zinc and lead, although according to the plant

manager, sludge extract concentrations are below the EP Toxicity criteria for hazardous waste (4).

- o MRI currently discharges wastewater under permit to the METRO sewer system. The wastewater is neutralized before entering the sewer system. METRO discharge monitoring requirements at the site include routine analysis for cadmium, chromium, copper, lead, zinc, and pH. According to the plant manager, MRI has never received a discharge violation from METRO. All spills inside the plant are collected in a sump, and recycled back into the production process (4).
- o A small oil spill on the site was investigated by the Coast Guard in 1986, found as a result of a traceable oil sheen in the waterway adjacent to the site (3).
- o The site is situated in the heavily industrialized corridor surrounding the Duwamish Waterway in south Seattle. No registered ground water or surface water intakes for drinking purposes exist within three miles of the site (5).

#### 6. Conclusions and Recommendations

- o Terminal 115 is a 90-acre site, covered with asphalt. Currently, three lessees occupy parts of the site.
- o Boeing Plant I was located on the southern part of the property. Boeing reportedly did not dispose of any hazardous wastes on the site.
- o MRI Corporation, a metal recycler, currently leases a part of the site from the Port of Seattle. MRI generates small amounts of nonhazardous sludges, and discharges permitted wastewater to the METRO sewer system. Former sludge lagoons at the facility have been excavated and covered with sandy gravel.
- o Although hazardous wastes have likely been generated and stored at Terminal 115 (Boeing Co. wastes and former MRI Corp. sludges), the site appears to have low potential to cause human health problems or environmental damage for the following reasons:
  - the known hazardous wastes stored on site have been removed;
  - the site has been covered by asphalt; and
  - ground water and surface water are not used for consumptive purposes within three miles of the site.

Accordingly, further investigation under CERCLA/SARA is not recommended. However, continued monitoring of storm drain and sewer discharges should be conducted by METRO or other local public health agencies.

#### REFERENCES

1. USGS, 7.5' Topographic Map, 1979. Seattle South Quadrangle.
2. Ecology and Environment, Inc., 1987. Preliminary Assessment QA Review for Port of Seattle, Terminal 115. TDD F10-8701-07.
3. George Blomberg, Environmental Engineer, Port of Seattle. Personal communication with William Richards, Ecology and Environment, Inc., during site visit, 11/03/87.
4. Jack Force, Plant Manager, MRI Corporation. Personal communication with William Richards, Ecology and Environment, Inc., during site visit, 11/03/87.
5. State of Washington, Department of Ecology. Water Rights Abstract for Duwamish Waterway Area.

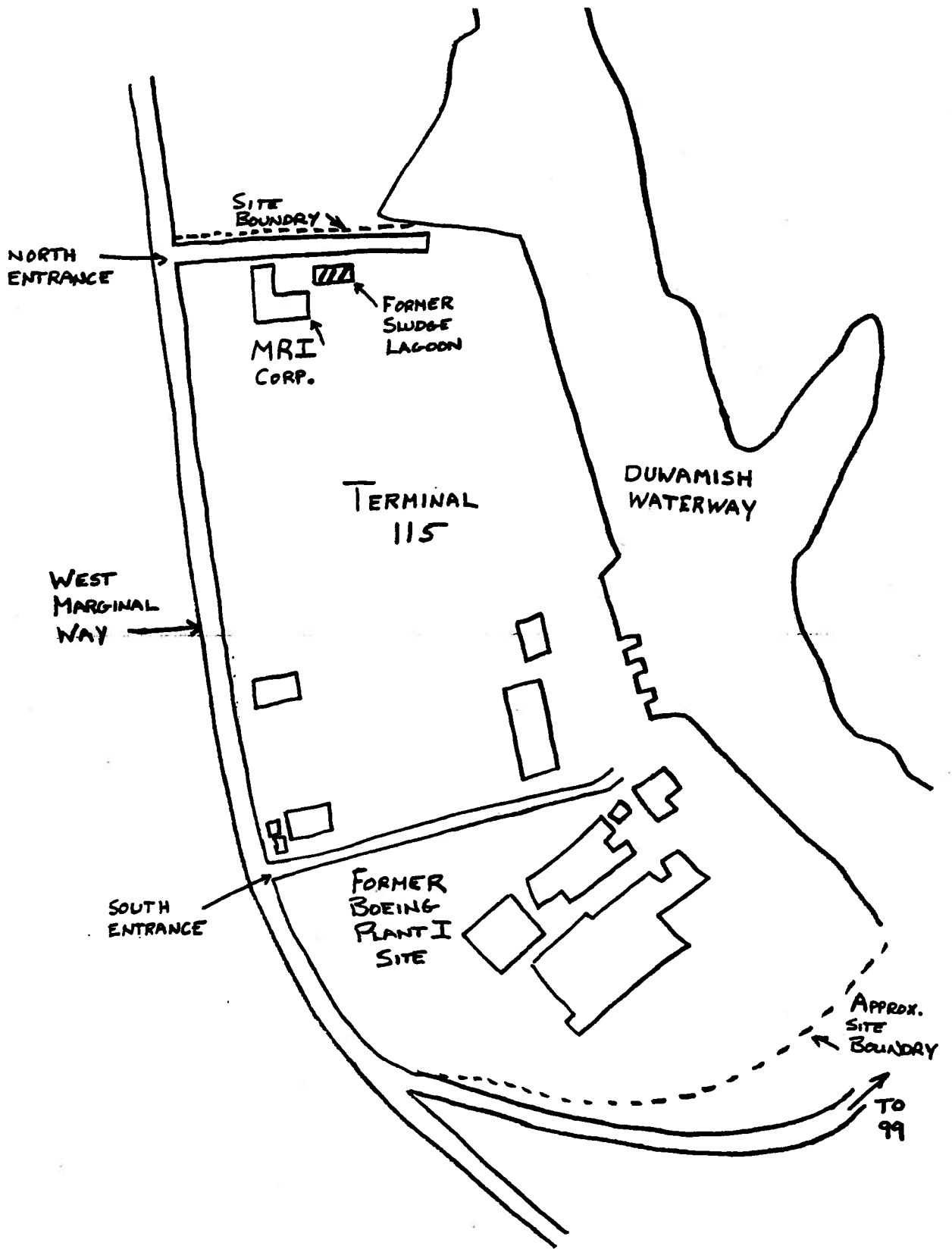
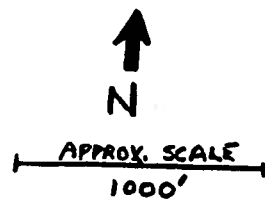


FIGURE 1  
 TERMINAL 115  
 SITE SKETCH



POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 1 - SITE LOCATION AND INSPECTION INFORMATION

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Port of Seattle - Terminal 115		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 6020 West 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 47° 33' 00.0"		LONGITUDE 122° 20' 25.0"		10 TYPE OF OWNERSHIP (Check one) A. PRIVATE ___ B. FEDERAL ___ C. STATE ___ D. COUNTY ___ X E. MUNICIPAL ___ F. OTHER ___ G. UNKNOWN ___			

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 11/03/87 MO/DAY/YR		02 SITE STATUS X ACTIVE ___ INACTIVE	03 YEARS OF OPERATION 1917   Present BEGINNING YEAR   ENDING YEAR		___ UNKNOWN
04 AGENCY PERFORMING INSPECTION (Check all that apply) A. EPA ___ X B. EPA CONTRACTOR Ecology & Environment, Inc. (Name of firm) C. MUNICIPAL ___ D. MUNICIPAL CONTRACTOR (Name of firm) E. STATE ___ F. STATE CONTRACTOR (Name of firm) G. OTHER (Specify)					

05 CHIEF INSPECTOR William Richards	06 TITLE Field Inspector	07 ORGANIZATION E&E, Inc.	08 TELEPHONE NO. (206) 624-9537	
09 OTHER INSPECTORS Robert Duffner	10 TITLE Field Inspector	11 ORGANIZATION E&E, Inc.	12 TELEPHONE NO. (206) 624-9537	
13 SITE REPRESENTATIVES INTERVIEWED George Blomberg		14 TITLE Env. Engineer Port of Seattle	15 ADDRESS P.O. Box 1209 Seattle, WA	16 TELEPHONE NO. (206) 728-3100
Jack Force		Plant Manager	6000 W. Marginal Way Seattle, WA	(206) 767-4337

17 ACCESS GAINED BY (Check one) X PERMISSION ___ WARRANT	18 TIME OF INSPECTION 1300 - 1430	19 WEATHER CONDIIONS Overcast, 50°, no wind.
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IV. INFORMATION AVAILABLE FROM

01 CONTACT Deborah Flood	02 OF (Agency/Organization) USEPA Region X Superfund		03 TELEPHONE NO. (206) 442-7722
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM William Richards	05 AGENCY EPA-FIT	06 ORGANIZATION E&E, Inc.	07 TELPHONE NO. (206) 624-9537
			08 DATE 11/16/87

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 2 - WASTE INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

PHYSICAL STATES (Check all that apply) <input type="checkbox"/> A. SOLID <input type="checkbox"/> E. SLURRY <input type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> F. LIQUID <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> G. GAS <input type="checkbox"/> D. OTHER _____ (Specify)	02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)  TONS <u>Unknown</u>  CUBIC YARDS <u>approx. 9.3</u>  NO. OF DRUMS <u>unknown</u>	03 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> I. HIGHLY VOLATILE <input 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
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III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	Unknown		MRI Corp. wastes
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown		Boeing Plant I
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS	Unknown		Boeing Plant I
ACD	ACIDS	Unknown		Boeing Plant I
BAS	BASES			
MES	HEAVY METALS	Unknown		Boeing Plant I

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Lead	999	Surface Impoundment	Unknown	
MES	Zinc	999	Surface Impoundment	Unknown	

V. FEEDSTOCKS (See Appendix for CAS Numbers) (MRI Corp.)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Sulfuric Acid	7664-93-9	FDS		
FDS	Sodium Nitrate	7632-00-0	FDS		
FDS	Sodium Sulphhydrate	999	FDS		
FDS	Sodium Hydroxide	1310-73-2	FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
 USEPA Site File, MRI Corp. Metro Waste Discharge Permit

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS

01  A. GROUND WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Potential ground water contamination from residuals in buried lagoon at MRI Corporation and from asphalt covered waste handling areas at the former Boeing Plant I Site. Shallow ground water lies approximately 10 to 13 feet below the site. Ground water may be hydraulically connected to the adjacent Duwamish Waterway.

01  B. SURFACE WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported or observed. Site is covered with asphalt and served by storm drains. The Duwamish Waterway is adjacent to the site. Storm drains discharge to the waterway. Hydraulic connections exist between ground water and the Duwamish Waterway and potentially contaminated ground water could affect the Waterway.

01  C. CONTAMINATION OF AIR 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  D. FIRE/EXPLOSIVE CONDITIONS 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  E. DIRECT CONTACT 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  F. CONTAMINATION OF SOIL 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 AREA POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
(ACRES)

Potential soil contamination from residuals in MRI lagoon or the former Boeing Plant I Site.

01  G. DRINKING WATER CONTAMINATION 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected. The ground water and surface water within three miles of the site are not utilized for drinking water.

01  H. WORKER EXPOSURE/INJURY 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.

01  I. POPULATION EXPOSURE/INJURY 02  OBSERVED (DATE: \_\_\_\_\_)  POTENTIAL  ALLEGED  
 03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported, observed, or suspected.



POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA	02 SITE NUMBER D980726327
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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)

01	<u>  </u> J. DAMAGE TO FLORA	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION None reported, observed, or suspected.					
01	<u>  </u> K. DAMAGE TO FAUNA	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species) None reported, observed, or suspected.					
01	<u>  </u> X L. CONTAMINATION OF FOOD CHAIN	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> X POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION None reported or observed. Ground water may potentially be contaminated with metals from MRIs buried lagoon, Contaminated ground water may discharge to the Duwamish Waterway, and as a result, threaten food chain organisms. food chain organisms.					
01	<u>  </u> M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums)	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> POTENTIAL	<u>  </u> ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION The MRI Corporation lagoon was not lined. Prior to burial, the lagoon was dredged to an unknown depth.					
01	<u>  </u> N. DAMAGE TO OFFSITE PROPERTY	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION None reported, observed, or suspected.					
01	<u>  </u> X O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPS	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> X POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION None reported or observed. Potential of contaminants from spills, leaks, etc. flowing over asphalt to storm drains located on site.					
01	<u>  </u> P. ILLEGAL/UNAUTHORIZED DUMPING	02	<u>  </u> OBSERVED (DATE: _____)	<u>  </u> POTENTIAL	<u>  </u> ALLEGED
04 NARRATIVE DESCRIPTION None reported, observed, or suspected.					
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS None					

III. TOTAL POPULATION POTENTIALLY AFFECTED:   0  

IV. COMMENTS

Drinking water obtained from reservoirs located >30 miles from the site. Low potential of surface water release, air release, or direct contact because site is covered.

V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

4E Site Inspection, 11/03/87.  
Ecology Well Log Files.  
Department of Social and Health Services Public Water Supply Services.

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA	02 SITE NUMBER D980726327
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PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input checked="" type="checkbox"/> H. LOCAL (Specify) METRO	7067-R11/84-1	1984	1989	Sewer Discharge for MRI Corp.
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 Other
<input checked="" type="checkbox"/> A. SURFACE IMPOUNDMENT	21,600	ft <sup>3</sup>	<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE approx. 20
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input checked="" type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input checked="" type="checkbox"/> D. TANK, ABOVE GROUND	Unknown		<input type="checkbox"/> D. BIOLOGICAL	06 AREA OF SITE
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	approx. 90 (Acres)
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER _____ (Specify)	
<input type="checkbox"/> I. OTHER _____ (Specify)				

07 COMMENTS

MRI Corp. used a 60' x 60' x 6' lagoon for sludge disposal on site until the late 1970s. Boeing reportedly stored hazardous wastes in tanks until it was transported off site for disposal.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one) Unknown  
 A. ADEQUATE, SECURE     B. MODERATE     C. INADEQUATE, POOR     D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Former waste lagoon at MRI was unlined. Lagoon has since been excavated and covered with native soil. Containment practices at former Boeing plant are unknown.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE:  YES  NO

02 COMMENTS

All potential wastes on site are covered.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
 USEPA Site File, Letter from Boeing, 03/11/87.  
 Jack Force, MRI Corp., Personal Communication, 11/09/87.

POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

EPA

SITE INSPECTION REPORT

01 STATE WA 02 SITE NUMBER D980726327

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

II. DRINKING WATER SUPPLY

TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS			03 DISTANCE TO SITE	
SURFACE WELL		ENDANGERED	AFFECTED	MONITORED		
COMMUNITY	A. <input checked="" type="checkbox"/> B. <input type="checkbox"/>	A. <input type="checkbox"/>	B. <input type="checkbox"/>	C. <input checked="" type="checkbox"/>	A. >30 (mi)	
NON-COMMUNITY	C. <input type="checkbox"/> D. <input type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	B. (mi)	

III. GROUND WATER

01 GROUND WATER USE IN VICINITY (Check one)

A. ONLY SOURCE FOR DRINKING  B. DRINKING (Other sources available)  C. COMMERCIAL, INDUSTRIAL IRRIGATION (Limited other sources available)  D. NOT USED, UNUSABLE

COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL >3 (mi)

04 DEPTH TO GROUND WATER	05 DIRECTION OF GROUND WATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
<u>10 - 13</u> (ft)	<u>East</u>	<u>10 - 13</u> (ft)	<u>Unknown</u> (gpd)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

One registered well within three miles of the site is used for commercial/industrial use and is located approximately two miles northeast of the site. Drinking water is supplied by the City of Seattle, and is obtained from reservoirs in the Cascade Mountains over 30 miles from the site.

10 RECHARGE AREA	11 DISCHARGE AREA
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
COMMENTS	COMMENTS
	Adjacent to the Duwamish Waterway

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

A. RESERVOIR, RECREATION DRINKING WATER SOURCE  B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES  C. COMMERCIAL, INDUSTRIAL  D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Duwamish Waterway	<input type="checkbox"/>	<u>0.2</u> (mi)
Hamms Creek	<input type="checkbox"/>	<u>2.7</u> (mi)
	<input type="checkbox"/>	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN	02 DISTANCE TO NEAREST POPULATION
ONE (1) MILE OF SITE TWO (2) MILES OF SITE THREE (3) MILES OF SITE	<u>0</u> (mi)
A. <u>approx. 2,000</u> NO. OF PERSONS	
B. <u>approx. 10,000</u> NO. OF PERSONS	
C. <u>approx. 31,000</u> NO. OF PERSONS	
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
<u>&gt;1,000</u>	<u>0</u> (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is located in a heavily industrialized area. Densely populated suburban areas located on the bluffs west of the site.

<b>POTENTIAL HAZARDOUS WASTE SITE</b>		<b>I. IDENTIFICATION</b>	
<b>SITE INSPECTION REPORT</b>		<b>01 STATE</b> WA	<b>02 SITE NUMBER</b> D980726327
<b>PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA</b>			
<b>II. ENVIRONMENTAL INFORMATION</b>			
01 PERMEABILITY OF UNSATURATED ZONE (Check one)      Artificial Fill; Variable Permeability			
<input type="checkbox"/> A. $10^{-6} - 10^{-8}$ cm/sec <input type="checkbox"/> B. $10^{-4} - 10^{-6}$ cm/sec <input type="checkbox"/> C. $10^{-4} - 10^{-3}$ cm/sec <input checked="" type="checkbox"/> D. GREATER THAN $10^{-3}$ cm/sec			
02 PERMEABILITY OF BEDROCK (Check one)      Unknown			
<input type="checkbox"/> A. IMPERMEABLE (Less than $10^{-6}$ cm/sec) <input type="checkbox"/> B. RELATIVELY IMPERMEABLE ( $10^{-4} - 10^{-6}$ cm/sec) <input type="checkbox"/> C. RELATIVELY PERMEABLE ( $10^{-2} - 10^{-4}$ cm/sec) <input type="checkbox"/> D. VERY PERMEABLE (Greater than $10^{-2}$ cm/sec)			
03 DEPTH TO BEDROCK >150 (ft)	04 DEPTH OF CONTAMINATED SOIL ZONE Unknown (ft)	05 SOIL pH Unknown	
06 NET PRECIPITATION 19 (in)	07 ONE YEAR 24-HOUR RAINFALL 1.76 (in)	08 SLOPE SITE SLOPE 0 %	DIRECTION OF SITE SLOPE N/A TERRAIN AVERAGE SLOPE 8 %
09 FLOOD POTENTIAL SITE IS IN >500 YEAR FLOOD PLAN		10 N/A SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY	
11 DISTANCE TO WETLANDS (5 acre minimum)		12 DISTANCE TO CRITICAL HABITAT (of endangered species)	
ESTUARINE      OTHER A. N/A (mi)      B. N/A (mi)		ENDANGERED SPECIES: N/A >3 (mi)	
13 LAND USE IN VICINITY			
DISTANCE TO:			
COMMERCIAL/INDUSTRIAL		RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND      AG LAND
A. 0 (mi)	B. 0.25 (mi)	C. >3 (mi)	D. >3 (mi)
4 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY			
The site is located between the Duwamish Waterway and the Bluffs of West Seattle, which rise approximately 220 feet within 1/2 mile of the site. The site is generally flat, although surface drainage from the site is discharged to the Duwamish Waterway.			
<b>VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)</b>			
E&E Site Inspection, 11/03/87. King Co. Land Development Information System, Annual Growth Report, 1987. Flood Hazard Map, Dept. of Housing and Urban Development, 1977. USGS 7.5 Min. Topographic Map: Seattle South and Duwamish Head, WA., 1949. Precipitation Frequency Atlas of Washington, NOAA, 1973. Climatic Atlas of the U.S., Dept. of Commerce, 1979.			

**POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION**

**I. IDENTIFICATION**  
 01 STATE WA    02 SITE NUMBER D980726327

EPA

**II. SAMPLES TAKEN**

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUND WATER	None		
SURFACE WATER	None		
WASTE	None		
AIR	None		
RUNOFF	None		
SPILL	None		
SOIL	None		
VEGETATION	None		
OTHER	None		

**III. FIELD MEASUREMENTS TAKEN**

01 TYPE	02 COMMENTS
N/A	

**IV. PHOTOGRAPHS AND MAPS**

01 TYPE <input checked="" type="checkbox"/> GROUND <input checked="" type="checkbox"/> AERIAL	02 IN CUSTODY OF USEPA Region X Superfund (Name of organization or individual)
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS USEPA Site File

**V. OTHER FIELD DATA COLLECTED (Provide narrative description)**

Samples not collected because all wastes have been removed from the site and there is low potential for human health risks or environmental damage from the site.

**VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)**

E&E Site Inspection, 11/03/87.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

EPA

II. CURRENT OWNER(S)				PARENT COMPANY (If applicable)				
01 NAME Port of Seattle		02 D+B NUMBER		08 NAME (same)		09 D+B NUMBER		
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.) P.O. Box 1209			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE	
05 CITY Seattle		06 STATE WA	07 ZIP CODE 98111		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER		
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			04 SIC CODE	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)			11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE		12 CITY		13 STATE	14 ZIP CODE
III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (If applicable; list most recent first)				
01 NAME Boeing Company		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 3707			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	
05 CITY Seattle		06 STATE WA	07 ZIP CODE 98124-2207		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER		
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE		05 CITY		06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
USEPA Site File, Letter from Boeing, 03/11/87.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 8 - OPERATOR INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. CURRENT OPERATOR (Provide if different from owner)

OPERATOR'S PARENT COMPANY (If applicable)

05 NAME MRI Corporation (lesser)		02 D+B NUMBER	10 NAME Proler International		11 D+B NUMBER
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.) 6000 West Marginal Way		04 SIC CODE	12 STREET ADDRESS (P.O. BOX, RFD #, ETC.) Unknown		13 SIC CODE
05 CITY Seattle	06 STATE WA	07 ZIP CODE 98108	14 CITY Houston	15 STATE TX	16 ZIP CODE
08 YEARS OF OPERATION 1977 - Present	09 NAME OF OWNER Port of Seattle				

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

01 NAME Boeing Company		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.) (Same)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD				

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
USEPA Site File.

POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 9 - GENERATOR/TRANSPORTER INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

II. ON-SITE GENERATOR

01 NAME N/A		02 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME N/A		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	

IV. TRANSPORTER(S)

01 NAME N/A		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.



POTENTIAL HAZARDOUS WASTE SITE

SITE INSPECTION REPORT

PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE WA 02 SITE NUMBER D980726327

EPA

II. PAST RESPONSE ACTIVITIES

		02 DATE	03 AGENCY
04	A. WATER SUPPLY CLOSED DESCRIPTION None		
01	B. TEMPORARY WATER SUPPLY PROVIDED		
04	DESCRIPTION None		
01	C. PERMANENT WATER SUPPLY PROVIDED		
04	DESCRIPTION None		
01	D. SPILLED MATERIAL REMOVED		
04	DESCRIPTION None		
01	E. CONTAMINATED SOIL REMOVED		
04	DESCRIPTION None		
01	F. WASTE REPACKAGED		
04	DESCRIPTION None		
01	G. WASTE DISPOSED ELSEWHERE		
04	DESCRIPTION None		
01	H. ON SITE BURIAL		
04	DESCRIPTION None		
01	I. IN SITU CHEMICAL TREATMENT		
04	DESCRIPTION None		
01	J. IN SITU BIOLOGICAL TREATMENT		
04	DESCRIPTION None		
01	K. IN SITU PHYSICAL TREATMENT		
04	DESCRIPTION None		
01	L. ENCAPSULATION		
04	DESCRIPTION None		
01	M. EMERGENCY WASTE TREATMENT		
04	DESCRIPTION None		
01	N. CUTOFF WALLS		
04	DESCRIPTION None		
01	O. EMERGENCY DIKING/SURFACE WATER DIVERSION		
04	DESCRIPTION None		
01	P. CUTOFF TRENCHES/SUMP		
04	DESCRIPTION None		
01	Q. SUBSURFACE CUTOFF WALL		
04	DESCRIPTION None		

POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION  
01 STATE WA 02 SITE NUMBER D980726327

EPA

II. PAST RESPONSE ACTIVITIES (Continued)

01	R. BARRIER WALLS CONSTRUCTED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	S. CAPPING/COVERING	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	T. BULK TANKAGE REPAIRED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	U. GROUT CURTAIN CONSTRUCTED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	V. BOTTOM SEALED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	W. GAS CONTROL	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	X. FIRE CONTROL	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	Y. LEACHATE TREATMENT	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	Z. AREA EVACUATED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	1. ACCESS TO SITE RESTRICTED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	2. POPULATION RELOCATED	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		
01	3. OTHER REMEDIAL ACTIVITIES	02 DATE _____	03 AGENCY _____
04	DESCRIPTION None		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USEPA Site File

POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

EPA

I. IDENTIFICATION

01 STATE WA	02 SITE NUMBER D980726327
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ENFORCEMENT INFORMATION

PAST REGULATORY/ENFORCEMENT ACTION    YES    X NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

None

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E Site Inspection, 11/03/87.  
USEPA Site File.

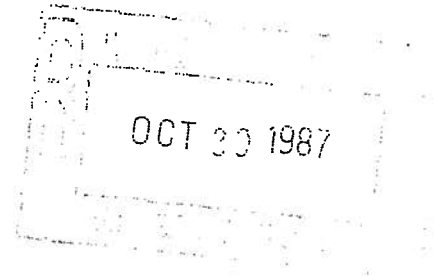


# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

October 23, 1987



Mr. George Blomberg  
Engineering Department  
Port of Seattle  
P.O. Box 1209  
Seattle, WA 98111

Dear Mr. Blomberg:

Per your conversation with William Richards of our office on October 15, 1987, this letter is to confirm our visit to the Port of Seattle, Terminal 115, located in Seattle, Washington, on November 3, 1987, at 1:00 pm.

Terminal 115 has been identified by the United States Environmental Protection Agency (EPA) Region X and the Washington State Department of Ecology from preliminary screening as requiring additional information to accurately profile the nature and extent of past waste disposal activity at the site.

The EPA has been given authority under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 (42 U.S.C. § 6901 et seq.; Sec. 104), to gain access to sites where hazardous substances may have been generated, stored, treated, disposed, or transported. Ecology and Environment, Inc. (E&E) is an authorized contractor of EPA (Contract No. 68-01-7347) (CERCLA; Sec. 115) and is acting on their behalf as field investigators.

A site inspection is performed to determine the impact or potential impact on the environment of any hazardous substances which may exist in an uncontrolled manner at your facility. A site inspection is subsequently reflected in a report (EPA Form #2070-13), a copy of which is enclosed for your information. The site inspection report provides a basis for determining if any further action is required at the site.

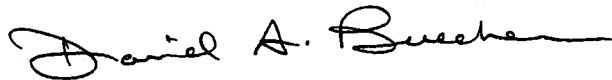
A checklist is also provided. The inspection process can be expedited if you will provide the information outlined in the checklist.

Your organization may assert a claim of confidentiality for any information entitled to protection under 40 CFR, Part 2, Subpart B by designating data you believe is entitled to such protection and submitting that data separately.

Page 2  
Mr. George Blomberg

I expect that a representative of the Washington State Department of Ecology will participate in the inspection. If you have any questions regarding our site visit, please contact William Richards or me at (206) 624-9537. Please contact Deborah Flood, USEPA, at (206) 442-2722 if you have questions regarding the purpose of this visit.

Sincerely yours,



David A. Buecker  
Field Investigation Team Manager

DAB:rls

Enclosures

CC: Deborah Flood, HWD-SM, USEPA, Region X  
John Osborn, ESD-PO, USEPA, Region X  
Robert Duffner, E&E, Seattle  
Thomas Tobin, E&E, Seattle  
William Richards, E&E, Seattle



U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 10  
1200 SIXTH AVENUE  
SEATTLE, WASHINGTON 98101

REPLY TO  
ATTN OF

LETTER OF INTRODUCTION

This is to certify that William Richards, of Ecology and Environment, Inc., whose signature, photograph, and physical description appear below, is a duly authorized consultant for the Environmental Protection Agency. This authorization is binding under EPA Contract Number 68-01-7347, which covers FIT activities at uncontrolled hazardous substance disposal sites. It is requested that, upon presentation of this letter, he be allowed to enter upon or through any facility:

- a. maintained by any person where hazardous wastes are generated, stored, treated, disposed of, or transported;
- b. to collect samples of any hazardous wastes and samples of any containers;
- c. to have access to and to copy all records relating to such wastes;
- d. to determine compliance with sanitary landfill criteria, standards applicable to waste generators, transporters, and owners and operators of hazardous waste treatment, storage, compliance order, or court order issued pursuant to the Resource Conservation and Recovery Act;
- e. to observe operations, and when deemed appropriate, to talk to employees concerning waste management practices.

The statutory basis for these inspections is contained in Section 3007 of the Resource Conservation and Recovery Act, and Section 308 of the Clean Water Act.

Requested industry information may not be withheld from the EPA on the grounds that it is considered to be confidential or proprietary. The EPA can protect information deemed to be privileged or confidential, trade secrets, and commercial or financial information, (40 C.F.R. §§2.203, 2.204). Accordingly, please indicate any information which you consider to be privileged or confidential so that the Agency may take appropriate protective measures.

The regulations (40 C.F.R. §2.211) preclude EPA employees from wrongfully using or disclosing any business information obtained during the performance of the employee's official duties. In addition, EPA employees must take all appropriate actions to safeguard confidential business information from improper disclosure. EPA employees who violate these requirements are subject to dismissal, suspension, or fines. Criminal action may be taken against EPA employees who willfully disclose business information.

A contractor with the EPA who obtains business information during execution of an EPA contract can disclose information only as allowed in the contract. Violation of these requirements by a contractor may be grounds for suspending the contract or contractor employee.

Photograph

Height: 5' 11"  
Weight: 155 lbs.  
Color of Eyes: Blue  
Color of Hair: Brown  
Date of Birth: 05/19/62



Signature:

William M. Richards

Expiration Date:

October 31, 1991

Approved By:

Robie G. Russell

Robie G. Russell  
Regional Administrator

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

Summary Memorandum

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 SW  
Seattle, WA 98108

Contact: John Dohrmann  
Telephone: (206) 382-3330  
Site Status: (X) 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)		02 Street, Route No., or Specific Location Identifier					
Port of Seattle-Term. 115		6020 W. Marginal Way					
03 City	04 State	05 Zip Code	06 County		07 County Code	08 Cong Dist	
Seattle	WA	98108	King		033	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)		02 Street (business, mailing, residential)					
Port of Seattle, Main Off.		P.O. Box 1209					
03 City	04 State	05 Zip Code	06 Telephone Number				
Seattle	WA	98111	( 206)3823330				
07 Operator (if known and different from owner)		08 Street (business, mailing, residential)					
See below							
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 checked="" type="checkbox"/> F. Other: Port District				<input type="checkbox"/> E. Municipal		<input type="checkbox"/> G. Unknown	

Owner/Operator Notification on File (check all that apply)

A. RCRA 3001, Date Rec'd: / /  B. Uncontrolled Waste Site (CERCLA 103c), Date Rec'd: / /  C. None

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 On Site Inspection		By (check all that apply):					
<input checked="" type="checkbox"/> Yes, Date: 69 / -- / 84		<input type="checkbox"/> A. EPA		<input type="checkbox"/> B. EPA Contractor		<input type="checkbox"/> C. State	
<input type="checkbox"/> No		<input type="checkbox"/> E. Local Health Official		<input checked="" type="checkbox"/> F. Other: METRO inspector			
Contractors Name(s):							
02 Site Status (check one)		03 Years of Operation					
<input checked="" type="checkbox"/> A. Active		<input type="checkbox"/> B. Inactive		<input type="checkbox"/> C. Unknown		beginning year ending year	
				Unk.   Pres		<input type="checkbox"/> Unknown	

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)

A. High (inspection required promptly)  B. Medium (inspection required)  C. Low (inspect on time available basis)  D. None (no further action needed complete current disposition form)

INFORMATION AVAILABLE FROM

01 Contact		02 Of (agency/organization)		03 Telephone Number	
Ned Therien		WDOE		( 206) 4596352	
04 Person Responsible for Assessment	05 Agency	06 Organization	07 Telephone Number	08 Date	
Barbara Morson		JRB Associates	( 206 ) 477899	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
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**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
MES	Lead	7439921	Permitted discharge	3	mg/l
MES	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

II. 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.			
01 (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.			
01 (X) I. Population Exposure/Injury	02 ( ) Observed (Date: )	(X) Potential	( ) Alleged
03 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

II. 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 (spills/runoff/standing liquids/leaking drums)	02 (X) Observed (Date: 1960's )	( ) Potential	( ) Alleged
03 Population Potentially Affected: <u>Unk.</u> 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.

V. 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