

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

ATTN OF: HW-113

DIECONIVED JUL 2 & 1988 ENGINEERING

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,

Deborah Rood

Deborah Flood Environmental Protection Specialist Superfund Response & Investigations Section

Enclosure

cc: Bob Kievit, EPA-WOO 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 ٠,

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: David Buecker, FIT-OM, E&E, Seattle
FROM: William Richards, FIT-SM, E&E, Seattle
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

Trip	Reț	port		
Port	of	Seattle	 Terminal	115
Page	2			

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.
  - 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.

1. r.

Accordingly, further investigation under CERCLA/SARA is not recommended. However, continued monitoring of storm drain and sever 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.



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		POTENT	LAL HARARDOUS	WASTE SIT	8	L	1. IDENTIFI		243
EPA			TE INSPECTION				01 STATE 02 WA	SITE NUMBER D980726327	×.
<b>D</b> TA	PART	1 - SITE LA	CATION AND I	INSPECTION	INFORMATION				
II. SITE NAME AND LOC	ATION			<b>_</b>					
1 SITE NAME (Legal, Co	ommon, or de	scriptive na	me of site)	02 STREET	, ROUTE NO.	, OR SPE	CIFIC LOCATI	ION IDENTIFIE	6
Port of Seattle - To	erminal 115			6020 W	Nest Marginal	l Way			1
		÷		04 STATE	05 ZIP CODE	06 COUN	TY	07 COUNTY	08 CONG
3 CITY				WA	98108	King		CODE 033	DIST 07
Seattle		10 TYPE OF (	WNERSHIP (Ch	eck one)	······	<u> </u>	······································		े 
9 COORDINATES		N DETE		DERAL	с.	STATE	D. COUNTY	X E. MUNIC	IPAL
	GITUDE	A. FAIV	······································				G. UNKNOWN	N	
<u>47° 33' 00.0"   122°</u>	20' 25.0"	F. OTHER	<u> </u>						
III. INSPECTION INFORM	MATION	n n							
1 DATE OF INSPECTION		02 SITE STAT	US 03 Y	EARS OF OF					
11/03/87		<u>X</u> ACTI	VE	<u>1917</u>		resent		IKNOWN	
MO/DAY/YR	Į.	INAC	TIVE B	EGINNING Y	'ear én	DING YEA	R		
		hack all the	+						
4 AGENCY PERFORMING II A. EPA X B. EPA CO	NSPECTION (C	neck all tha	c apply/	с.	MUNICIPAL	D. MU	NICIPAL CONT	TRACTOR	
_A. EPA <u>x</u> B. EPA CO	ONTRACTOR ECO	(Name of fi	rel	· ·····				(Name of	firm)
		•		G. OTHE	R				
E. STATEF. STAT	FE CONTRACTO	·	of firm)		<u> </u>	(Spec	ify)		
		/116889	06 TITLE		07 ORGAN	IZATION		08 TELEPHON	E NO.
5 CHIEF INSPECTOR			Field In	spector	ELE,	Inc.		(206) 62	4-9537
William Richards			11010 1						
OTHER INSPECTORS		23	10 TITLE		11 ORGAN			12 TELEPHON	
Robert Duffner			Field In	spector	ELE,	Inc.		(206) 624	-9537
					1				
									$\sim$ $-$
							*		
			5					<u> </u>	
SITE REPRESENTATIVES	INTERVIEWED		14 TITLE		15 ADDRE			16 TELEPHONI	
George Blomberg			Env. Eng Port of	ineer Seattle	P.O. Seatt	Box 1209 le, WA		(206) 72	5-3100
		<u>.</u>							. 4327
Jack Force			Plant Mar	nager	6000 Seatt	W. Margi le, WA	nal Way	(206) 76	/
								1	
				<del></del>					
						<u></u>			
	-		2						
	2								
	2		20						
		PECTION	19 WEATHER C	CONDIIONS					
	8 TIME OF INS	PECTION	19 WEATHER C						
ACCESS GAINED BY 1 (Check one)	8 TIME OF INS 1300 - 1430			CONDIIONS	wind.				
7 ACCESS GAINED BY (Check one) X PERMISSION					wind.				
/ ACCESS GAINED BY (Check one) X PERMISSION WARRANT	1300 - 1430				wind.				
7 ACCESS GAINED BY 1 (Check one) X PERMISSION WARRANT IV. INFORMATION AVAILA	1300 - 1430		Overcast,	50°, no				03 TELEPHONI	5 NO.
7 ACCESS GAINED BY (Check one) X PERMISSION WARRANT IV. INFORMATION AVAILA CONTACT	1300 - 1430		Overcast,	50°, no y/organiz	ation)			03 TELEPHONI (206) 443	
7 ACCESS GAINED BY (Check one) X PERMISSION WARRANT IV. INFORMATION AVAILA 1 CONTACT Deborah Flood	1300 - 1430 BLE FROM	,	Overcast, D2 OF (Agenc USEPA Reg	50°, no y/Organiz ion X Sup	ation) erfund			(206) 443	
7 ACCESS GAINED BY (Check one) X PERMISSION WARRANT IV. INFORMATION AVAILA 1 CONTACT	1300 - 1430 BLE FROM	,	Overcast, D2 OF (Agenc USEPA Reg	50°, no y/Organiz ion X Sup	ation)		PHONE NO. 6) 624-9537		

			POTENTIAL HAZARI	OUS WASTE SITE		I. IDEFTI	FICATION
			SITE INSPECT			01 STATE	02 SITE NUMBER D980726327
ЕРА			PART 2 - WASTE			WA	D980/2632/
		m (72)					
	TES, QUANTITIES, AL		STE QUANTITY AT SI	E 03 WASTE CHARA	CTERISTICS		
'HYSICAL S				-			
www.all th	at apply)	ties	ures of waste quant must be independent	X A. TOXIC	E. SOLUB	LEI.	HIGHLY VOLATILE
A. SOLID	E. SLURRY			B. CORROSI	VEF. INFEC	riousJ	EXPLOSIVE
	FINES F. LIQUID		TONS Unknown		TIVEG. PLANM	ABLEK	. REACTIVE
X C. SLUDGE	G. GAS	CUBI	C YARDS approx. 9.3		TENT H. IGNIT	ABLEL	. INCOMPATIBLE
D. OTHER -	10 160			-		м.	. NOT APPLICABLE
	(Specify)	NO. 01	F DRUMS unknown	-			
III. WASTE TH	PR	L	N	-			
CATEGORY	SUBSTANCE NAME	5	01 GROSS AMOUNT	02 UNIT OF MEASU			
SLU	SLUDGE		Unknown		MRI Corp. w	astes	
OLW	OILY WASTE						·····
SOL	SOLVENTS		Unknown		Boeing Plan	τ I	<u></u>
PSD	PESTICIDES						· · · · · · · · · · · · · · · · · · ·
occ	OTHER ORGANIC CHEMI	CALS			Boeing Plan	+ T	
IOC	INORGANIC CHEMICALS		Unknown		Boeing Plan Boeing Plan		
	ACIDS		Unknown		- Doarna *1en		
	BASES				Boeing Plan	tI	
MES	HEAVY METALS		Unknown	ly cited CAS Numb			<u> </u>
IV. HAZARDOUS	HEAVY METALS	pendix	tor most riedneug	al creat out title			06 MEASURE OF
01 CATEGORY	02 SUBSTANCE NAME	·	03 CAS NUMBER	04 STORAGE/DISPO		ONCENTRATIO	N CONCENTRATION
MES	Lead		999	Surface Impounds		nown	
MES	Zinc		999	Surface Impounds	ent Uni	nown	
		$\overline{c}$		10			
				· · · · · · · · · · · · · · · · · · ·			
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			16				
		†				<u></u>	
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V. PEEDSTOCKS	(See Appendix for (	CAS NU	mbers) (MRI Corp.	)	01 FEEDSTOC	NAME	02 CAS NUMBER
CATEGORY	01 FEEDSTOCK NA	AME	UZ CAS NUMBER	Childent			
FDS	Sulfuric Acid		7664-93-9	FDS FDS			
FDS	Sodium Nitrate		7632-00-0	FDS	÷		
FDS	Sodium Sulfhydrate		999	FDS			
FDS	Sodium Hydroxide		1310-73-2	e.g., state files	s, sample analys:	s, reports)	
VI. SOURCES	OF INFORMATION (Cit	e spec	Cliic reierences,				
ELE Site Usepa Sit	Inspection, 11/03/87 e File, MRI Corp. M	). Metro V	vaste Discharge Pe	rmit			

form 2070-13 (7-81)

ľ			I. IDENTIFICATION
		L HAZARDOUS WASTE SITE	
L.	100	INSPECTION REPORT	01 STATE 02 SITE NUMBER WA D980726327
		OF HAZARDOUS CONDITIONS AND INCIDENTS	
	II. HALARDOUS CONDITIONS AND INCIDENTS	02 OBSERVED (DATE:)	X POTENTIAL ALLEGED
	01 X A. GROUND WATER CONTAMINATION	04 NAPPATTVE DESCRIPTION	
ļ		ve manners second at MRI Corbora	tion and from asphalt
2	03 POPULATION POTENTIALLY AFFECTED: 0 Potential ground water contamination from re- covered waste handling a reas at the former Be 10 to 13 feet below the site. Ground water 1 Waterway.	siduais in buried lagon at mround wat osing Plant I Site. Shallow ground wat may be hydraulically connected to the a	
.	01 X B. SURFACE WATER CONTAMINATION	02 OBSERVED (DATE:)	X POTENTIAL ALLEGED
2	AN POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	
:	03 POPULATION POTENTIALLY AFFECTED None reported or observed. Site is covered w adjacent to the site. Storm drains discharge and the Duwamish Waterway and potentially cor	with asphalt and served by storm drains to the waterway. Hydraulic connection ataminated ground water could affect th	. The Duwamish Waterway is ns exist between ground water e Waterway.
	AIR	02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	01C. CONTAMINATION OF AIR	04 NARRATIVE DESCRIPTION	
	03 POPULATION POTENTIALLY AFFECTED: None reported, observed, or suspected.		
		02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	01 D. FIRE/EXPLOSIVE CONDITIONS	04 NARRATIVE DESCRIPTION	
ł	03 POPULATION POTENTIALLY AFFECTED:		
}	None reported, observed, or suspected.		
1		02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	01E. DIRECT CONTACT	04 NARRATIVE DESCRIPTION	
1	03 POPULATION POTENTIALLY AFFECTED:		
۹	None reported, observed, or suspected.		
1	77		X POTENTIAL ALLEGED
	01 X F. CONTAMINATION OF SOIL	02 OBSERVED (DATE:)	
$\ $	03 AREA POTENTIALLY AFFECTED: UNKNOWN	04 NARRATIVE DESCRIPTION	
	Potential soil contamination from residuals in	MRI lagoon or the former Boeing Plan	t I Site.
$\ $		02 OBSERVED (DATE:)	POTENTIAL ALLEGED
I	01G. DRINKING WATER CONTAMINATION	04 NARRATIVE DESCRIPTION	
,	AN DODULATION POTENTIALLY AFFECTED:	ound water and surface water within t	hree miles of the site
	None reported, observed, or suspected. The gr are not utilized for drinking water.	Jung water and Joseph Street Street	
		02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	01 H. WORKER EXPOSURE/INJURY	04 NARRATIVE DESCRIPTION	
	03 WORKERS POTENTIALLY AFFECTED:		
	None reported, observed, or suspected.	(4	
	THE AND CHER /INJURY	02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	01I. POPULATION EXPOSURE/INJURY	04 NARRATIVE DESCRIPTION	
ŀ	D3 POPULATION POTENTIALLY AFFECTED:		
	None reported, observed, or suspected.		

EPA FORM 2070-13 (7-81)

e (	8		POTENTIAL HARARDOUS WASTE SITE	I. IDENTIFICATION
:		BPA .	SITE INSPECTION REPORT	01 STATE 02 SITE NUMBER WA D980726327
7		PART 3 - DESC	CRIPTION OF HARARDOUS CONDITIONS AND INCIDENTS	<u> </u>
	T	I. HAZARDOUS CONDITIONS AND INCIDENTS	(CONTINUED)	
7		J. DAMAGE TO FLORA	02OBSERVED (DATE:)	POTENTIAL ALLEGED
(		NARRATIVE DESCRIPTION		
	(*****)	None reported, observed, or suspected	1.	
23				
2	01	K. DAMAGE TO FAUNA	02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	04	NARRATIVE DESCRIPTION (Include name(s	) of species)	
		None reported, observed, or suspected	•	
20		8		
		X L. CONTAMINATION OF FOOD CHAIN	02 OBSERVED (DATE: )	X POTENTIAL ALLEGED
		X L. CONTAMINATION OF 1000 MILLING		
3	04		ter may potentially be contaminated with metal; te to the Duwamish Waterway, and as a result,	s from MRIs buried lagoon,
ſ		Contaminated ground water may discharg food chain organisms.	for may potentially be contaminated with metal ge to the Duwamish Waterway, and as a result,	threaten food chain organisms.
		100d Chain organization		
][		A MARTIN AN ALL AND AN AND AN AND AN AND AND AND AND AN	02 OBSERVED (DATE: )	POTENTIAL ALLEGED
	01	M. UNSTABLE CONTAINMENT OF WASTES		
-1	(	Spills/runoff/standing liquids/leaking	04 NARRATIVE DESCRIPTION	
	03	POPULATION POTENTIALLY AFFECTED:	ed. Prior to burial, the lagoon was dredged t	to an unknown depth.
	100	The ARI Corporation 149	and an angle of the set of the se	a 10111 to 162 16262 1
1				
			02 OBSERVED (DATE: )	POTENTIAL ALLEGED
	01	N. DAMAGE TO OFFSITE PROPERTY	······································	
3	04	NARRATIVE DESCRIPTION None reported, observed, or suspected.		
1	$\frown$	None reported, Observou, and a		
-'ŀ				
٦L		- CTWTDC	02 OBSERVED (DATE: )	X POTENTIAL ALLEGED
11	D1 _	X O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPB		
1	04 1	NARRATIVE DESCRIPTION		
	1	None reported or observed. Potential o drains located on site.	f contaminants from spills, leaks, etc. flow	ing over asphalt to storm
.1		8		
<u>,</u> <b>b</b>	1	P. ILLEGAL/UNAUTHORIZED DUMPING	02 OBSERVED (DATE:)	POTENTIAL ALLEGED
	- 4 1	NARRATIVE DESCRIPTION		
1	P	None reported, observed, or suspected.		
16	5 D	DESCRIPTION OF ANY OTHER KNOWN, POTENTIA	AL, OR ALLEGED HAZARDS	
		lone		
-	<b>TTT</b>	. TOTAL POPULATION POTENTIALLY AFFECTED	): <u>0</u>	
۱L	111			
$ \Gamma$	_	COMMENTS		
	D	rinking water obtained from reservoirs	located >30 miles from the site. Low potent because site is covered.	ial of surface water
	ř	elease, air release, or direct contact	Decause site is covered.	
				<u>,2</u>
5	7	SOURCES OF INFORMATION (Cite specific r	eferences. e.g., state files, sample analys	is, reports)
K				
	E	LE Site Inspection, 11/03/87. cology Well Log Files. epartment of Social and Health Services	Public Water Supply Services.	
1	De	epartment of Social and Social Pro-		

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81		LARDOUS WASTE SIT		I. IDENTIFICATION
бра		ECTION REPORT	0	1 STATE 02 SITE NUMBER WA D980726327
	PART 4 - PERMIT AND	DESCRIPTIVE INF	ORMATION	
II. PERMIT INFORMATION	**			
01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
(Check all that apply)				1
A. HPDES				
B. UIC		ļ		
C. AIR				
D. RCRA				
	<u> </u>	<b></b>		
E. RCRA INTERIM STATUS				<u>[</u>
F. SPCC PLAN				1
		<u></u>		
G. STATE (Specify)	 			
X H. LOCAL (Specify) METRO	7067-R11/84-1	1984	1989	Sewer Discharge for MRI Corp.
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
I. OTHER (Specify)				
J. NONE				
III. SITE DESCRIPTION				
01 STORAGE/DISPOSAL 02 AMO	OUNT 03 UNIT OF M	LEASURE 04 TREATM	ient	05 Other
(Check all that apply)		(Chec)	all that apply)	
X A. SURFACE IMPOUNDMENT 21,600	<u>ft<sup>3</sup></u>	A. ##	CINERATION	-
B. PILES		B. UX	DERGROUND INJECTION	XA. BUILDINGS ON SI
C. DRUMS, ABOVE GROUND	<u></u>	<u> </u>	EMICAL/PHYSICAL	approx. 20
X D. TANK, ABOVE GROUND Unknow	<u>n</u>	D. BI	OLOGICAL	06 AREA OF SITE
E. TANK, BELOW GROUND		E. WA	STE OIL PROCESSING	
F. LANDFILL		F. so	LVENT RECOVERY	approx. 90 (Acr
G. LANDFARM		G. OT	HER RECYCLING/RECOV	ERY
H. OPEN DUMP		Н. от	HER	X
I. OTHER			(Specify)	
(Specify)			<u></u>	
7 COMMENTS		•		
MRT Corp. Used a 60' x 60' x 6'	lagoon for sludge ( until it was trans	disposal on site sported off site	until the late 1970 for disposal.	s. Boeing reportedly
mai totte and wastes in tanks		-		
MRI Corp. used a 60' x 60' x 6' x stored hazardous wastes in tanks				
stored hazardous wastes in tanks		8		
IA. CONTYTUNENL		14 		
IV. CONTAINMENT 1 Containment of Wastes (Check one)		_C.INADEQUATE,		CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE	Unknown B.MODERATE			
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN	Unknown B.MODERATE		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE	Unknown B.MODERATE		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN	Unknown B.MODERATE		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN	Unknown B.MODERATE		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B V. ACCESSIBILITY	Unknown B.MODERATE ERS, BARRIERS, ETC lined. Lagoon has oeing plant are un		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B V. ACCESSIBILITY 1 WASTE EASILY ACCESSIBLE:YES	Unknown B.MODERATE		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
<ul> <li>IV. CONTAINMENT</li> <li>1 CONTAINMENT OF WASTES (Check one) <u>A. ADEQUATE, SECURE</u></li> <li>2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B</li> <li>V. ACCESSIBILITT</li> <li>1 WASTE EASILY ACCESSIBLE:YES</li> </ul>	Unknown B.MODERATE ERS, BARRIERS, ETC lined. Lagoon has oeing plant are un		POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B V. ACCESSIBILITY 1 WASTE EASILY ACCESSIBLE:YES 2 COMMENTS All potential wastes on site are of	Unknown B.MODERATE MERS, BARRIERS, ETC lined. Lagoon has oeing plant are un 	Since been exca	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
<ul> <li>IV. CONTAIRMENT</li> <li>I CONTAIRMENT OF WASTES (Check one) <u>A</u>. ADEQUATE, SECURE</li> <li>2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B</li> <li>V. ACCESSIBILITY</li> <li>I WASTE EASILY ACCESSIBLE:YES All potential wastes on site are of</li> </ul>	Unknown B.MODERATE MERS, BARRIERS, ETC lined. Lagoon has oeing plant are un 	Since been exca	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
<ul> <li>IV. CONTAINMENT</li> <li>I CONTAINMENT OF WASTES (Check one) <ul> <li>A. ADEQUATE, SECURE</li> </ul> </li> <li>2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B </li> <li>V. ACCESSIBILITY <ul> <li>WASTE EASILY ACCESSIBLE:YES</li> <li>All potential wastes on site are of</li> </ul> </li> <li>VI. SOURCES OF INFORMATION (Cite specified)</li> </ul>	Unknown B.MODERATE PERS, BARRIERS, ETC lined. Lagoon has oeing plant are un <u>X NO</u> covered.	e.g. state file	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
IV. CONTAINMENT 1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE 2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B V. ACCESSIBILITY 1 WASTE EASILY ACCESSIBLE:YES All potential wastes on site are of VI. SOURCES OF INFORMATION (Cite specified)	Unknown B.MODERATE PERS, BARRIERS, ETC lined. Lagoon has oeing plant are un <u>X NO</u> covered.	e.g. state file	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
<ul> <li>IV. CONTAIRMENT</li> <li>1 CONTAINMENT OF WASTES (Check one) A. ADEQUATE, SECURE</li> <li>2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B</li> <li>V. ACCESSIBILITY</li> <li>1 WASTE EASILY ACCESSIBLE:YES 2 COMMENTS All potential wastes on site are of</li> </ul>	Unknown B.MODERATE PERS, BARRIERS, ETC lined. Lagoon has oeing plant are un <u>X NO</u> covered.	e.g. state file	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS
<ul> <li>IV. CONTAIRMENT</li> <li>I CONTAIRMENT OF WASTES (Check one) <ul> <li>A. ADEQUATE, SECURE</li> </ul> </li> <li>2 DESCRIPTION OF DRUMS, DIKING, LIN Former waste lagoon at MRI was un Containment practices at former B </li> <li>V. ACCESSIBILITY </li> <li>WASTE EASILY ACCESSIBLE:YES <ul> <li>All potential wastes on site are of</li> </ul> </li> <li>VI. SOURCES OF INFORMATION (Cite specified)</li> </ul>	Unknown B.MODERATE PERS, BARRIERS, ETC lined. Lagoon has oeing plant are un <u>X NO</u> covered.	e.g. state file	POOR <u>X</u> D. INSE	CURE, UNSOUND, DANGEROUS

1 ST 3		POTENTIAL HASARDO	US WASTE SITE			IDENTIFIC		
. EPA		SITE INSPECTI	ON REPORT		01 5	TATE 02	SITE NUMBER D980726327	
<b>DE 6</b> .	PART 5 - W	ATER, DEMOGRAPHIC	, AND ENVIRON	MENTAL DATA				
II. DRINKING WATER SUPP	PLY				<u></u>	<u>_</u>		
		02 STATUS			03 DI	STANCE TO	O SITE	
(Check as applicable)	, xu							
SURFAC		ENDANGERED	AFFECTED	MONITOREI	<b>`</b>			
COMMUNITY AX_	B	A	B	c. <u>x</u>	1		(mi)	
NON-COMMUNITY C	D	D	E	F		в	(mi)	
		<u> </u>		2			<u> </u>	
III. GROUND WATER 11 GROUND WATER USE IN V	TCTNITY (Check	ODe )	······					_
	B. DRINKING		X C. COMME	RCIAL, INDU	JSTRIAL IRRI 17C05 avails	GATION	D. NOT	. U
	(Other source	es available)		d other sou	irces availa	able)	UNUSAE	SLE
	COMMERCIAL,	INDUSTRIAL, IRRIG ter sources availa	ATION able)					
						· <del>.</del>		
2 POPULATION SERVED BY	GROUND WATER	0	03 DISTANC	E TO NEARES	T DRINKING	WATER WEI	LL >3	_(
						T. VTEVEL	08 SOLE SOURC	
4 DEPTH TO GROUND WATER	05 DIRECTION C	of ground water	OF CON	CERN	OF AQUIF	ER	AQUIFER	- <b>5</b> 2
10 - 13 (ft)	East		10 - 13	(ft)	Unknown (	gpd)	YES X	NO
					tion and he	i i dineni		
9 DESCRIPTION OF WELLS	(Including usage	, depth, and loca	tion relative	ε το popula	LION ANG DU	TTOTUDE)		
One registered well w	ithin three mile	s of the site is the site. Drinki	used for com ng water is a	supplied by	the City o	of Seattle	e, and is	
9 DESCRIPTION OF WELLS One registered well w: approximately two mil- obtained from reservo:	irs in the Casca	de Mountains over	30 miles fro	on the site	•	10		
15 m		<u> </u>						
0 RECHARGE AREA		ł	11 DISCHARGE	AREA				
YES   COMMENTS			X YES	COMMENTS				
			NO NO	λdjace	nt to the D	wwamish W	Waterway	
<u>X</u> NO						<u></u>		
IV. SURFACE WATER		 				<u></u>		
IV. SURFACE WATER	ck one)	GATION ECONOMICA		MMERCIAL.	INDUSTRIAL	D. NO	OT CURRENTLY	US
IV. SURFACE WATER 1 SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOL	TION X B. IRRIG	GATION, ECONOMICA RTANT RESOURCES	C. cc	MMERCIAL,	INDUSTRIAL	D. NC	OT CURRENTLY	US
IV. SURFACE WATER 1 SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOL	TION X B. IRRIG	GATION, ECONOMICA TRANT RESOURCES	C. cc					US
IV. SURFACE WATER	TION X B. IRRIG	GATION, ECONOMICAL RTANT RESOURCES OF WATER		MMERCIAL,			CE TO SITE	
IV. SURFACE WATER 1 SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME:	TION X B. IRRIG	GATION, ECONOMICAJ RTANT RESOURCES DF WATER	L					
IV. SURFACE WATER I SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME: Duwamish Waterway	TION X B. IRRIG	GATION, ECONOMICA RTANT RESOURCES DF WATER	C. CC				CE TO SITE	-
IV. SURFACE WATER 1 SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME:	TION X B. IRRIG	GATION, ECONOMICA RTANT RESOURCES OF WATER	C. CC				NCE TO SITE	-
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IV. SURFACE WATER I SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME: Duwamish Waterway Hamms Creek V. DEMOGRAPHIC AND PROPE	TION <u>X</u> B. IRRI IRCE BODIES ( PFECTED BODIES ( BTI INFORMATION	GATION, ECONOMICA RTANT RESOURCES DF WATER	L	AFFEC		DISTAN	ACE TO SITE 0.2 2.7	-
IV. SURFACE WATER I SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME: Duwamish Waterway Hamms Creek V. DEMOGRAPHIC AND PROPE I TOTAL POPULATION WITHI	TION <u>X</u> B. IRRI IRCE BODIES ( PFECTED BODIES ( ETT INFORMATION	DF WATER		02 DIST.	TED  	DISTAN	ACE TO SITE 0.2 2.7	-
IV. SURFACE WATER I SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME: Duwamish Waterway Hamms Creek V. DEMOGRAPHIC AND PROPE I TOTAL POPULATION WITHI ONE (1) MILE OF SITE	TION <u>X</u> B. IRRI IRCE <u>B. INFO</u> INFFECTED BODIES ( INFORMATION N TWO (2) MILES OF	SITE THREE (3)	MILES OF SI	02 DIST.	TED	DISTAN	NCE TO SITE 0.2 2.7 JLATION	-
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IV. SURFACE WATER I SURFACE WATER USE (Che A. RESERVOIR, RECREAT DRINKING WATER SOU 2 AFFECTED/POTENTIALLY A NAME: Duwamish Waterway Hamms Creek 4. DEMOGRAPHIC AND PROPE 1 TOTAL POPULATION WITHI ONE (1) MILE OF SITE A. approx. 2,000 NO. OF PERSONS 3 NUMBER OF BUILDINGS WITH	TION <u>X</u> B. IRRI INFORMATION RFFECTED BODIES ( RTY INFORMATION N TWO (2) MILES OF B. approx. 10,0 NO. OF PERSO	SITE THREE (3) 00 Cappio NS NO.	MILES OF SI X. 31,000 OF PERSONS 04 DISTANCE	AFFEC	TED	DISTAN REST POPU BUILDING	NCE TO SITE 0.2 2.7 JLATION	-
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4	POTENTIAL RASAR		I. IDESTIFICATION
. т вра	SITE INSPEC		01 STATE 02 SITE NUMBER WA D980726327
49 E E E	PART 5 - WATER, DEMOGRAPH	IC, AND ENVIRONMENTAL DATA	
II. ENVIRONMENTAL I	FORMATION	Artificial Fill; Variable P	
	CATURATED ZONE (Check one)		
A. 10 <sup>-6</sup> - 10 <sup>-8</sup>	$m/sec$ B. $10^{-4} - 10^{-6}$ cm/sec	C. 10 <sup>-4</sup> - 10 <sup>-3</sup> cm/sec	D. GREATER THAN 10 <sup>-3</sup> cm/sec
	EDROCK (Check one) Unknown B. RELATIVELY IMPERMEABL	E C. RELATIVELY PERMEAB	LE D. VERY PERMEABLE
A. IMPERMEABLE	-4 -6	$(10^{-2} - 10^{-4} \text{ cm/sec})$	
(Less than $10^{-6}$ cm			
3 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL Z	ONE 05 SOIL PH Unknown	
>150 (ft)	Unknown (ft)		<u></u>
6 NET PRECIPITATION	07 ONE YEAR 24-HOUR RAINFALL	08 SLOPE SITE SLOPE   DIRECTION OF SIT	E SLOPE TERRAIN AVERAGE SLOP
	1.76 (in)	0 % <u>N/A</u>	83
<u>   19    (in</u>			
9 FLOOD POTENTIAL	10 N/A SITE IS	ON BARRIER ISLAND, COASTAL HIGH	HAZARD AREA, RIVERINE FLOODWA
SITE IS IN _>500	YEAR FLOOD PLAN		
1 DISTANCE TO WETLA	IDS (5 acre minimum)	12 DISTANCE TO CRITICAL HABITA	
ESTUARINE	OTHER		<u>3</u> (mi)
λ. N/λ	(mi) B/A (mi)	ENDANGERED SPECIES: N/A	······································
3 LAND USE IN VICIN	TY		
DISTANCE TO:		AL/STATE PARKS,	GRICULTURAL LANDS
COMMERCIAL/INDUS	RESIDENTIAL AREAS; NATION FORESTS; OR WILDLIFE	RESERVES PRIME A	G LAND AG LAND
A. 0 (:	n 0.75	(mi) C3	(mi) D3 (mi
·····		- 	
A DESCRIPTION OF SI	E IN RELATION TO SURROUNDING TOPOG	IRAPHY	
The site is locate	d between the Duwamish Waterway an	d the Bluffs of West Seattle, w generally flat, although surface	drainage from the
220 feet within 1, site is discharge	E IN RELATION TO SURROUNDING TOPOG d between the Duwamish Waterway an 2 mile of the site. The site is g to the Duwamish Waterway.	_	(
	RMATION (Cite specific references,	e.g., state files, saple analy	sis, reports)
VII. SOURCES OF INFO	KUNTYA (		
EsE Site Inspectio	n, 11/03/87. lopment Information System, Annual Dept. of Housing and Urban Develop graphic Map: Seattle South and Du uency Atlas of Washington, NOAA, 1: the U.S., Dept. of Commerce, 1979.	Growth Report, 1987.	
Flood Hazard Map,	Dept. of Housing and Urban Develop graphic Map: Seattle South and Du	Wamish Head, WA., 1949.	
Precipitation Free	vency Atlas or washington, NOAA, 1 the U.S., Dept. of Commerce, 1979.		
CITMBERS VERD AN			

EPA FORM 2070-13 (7-81)

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PART 6 - SAMPLE AND FIELD INFORMATION       I. SAMPLES TAKEN       SAMPLES TAKEN       SAMPLE TIPE       01 NUMBER OF SAMPLES TAKEN       GROUND WATER       RODe       SURFACE WATER       None       JIR       None       AIR       None       SUBJER       SURFACE WATER       None       AIR       None       SUBJER       SUBJER       None       SOIL       None       VEGATATION       None       IT. TIELD KRASURAMENTS TAKEN       IT. TIELD KRASURAMENTS TAKEN<	EPA		SITE INSPECTION REPORT	I. IDENTIFICATION 01 STATE 02 SITE NUMBER WA D980726327
SANFLE TITE     01     SUPERE OFACE     02     SANFLES SENT TO     03     SESCRET PUPPETER       GROUND WATER     NOR	869	PART	6 - SAMPLE AND FIELD INFORMATION	
SANFLE TITE     01 SUBJECT OF SANEW     02 SANFLES SENT TO     03 MEEDINFTO.PRIS.       GROUND WATER     NOR	II. SAMPLES TAKEN			
SAMPLE TYPE     SAMPLE TYPE       GROUND WATER     None       SURACE WATER     None       WASTE     None       AIB     None       AIB     None       AIB     None       SPILL     None       SOIL     None       IN- TILLO IRLAURENTS TAKEN       IN- TILLO IRLAURENTS TAKEN       INTO TYPE     SCONDERATION       VERATION     ARRIAL       O2 IN CUSTON OF USEPA Region X Superfund (Mane of orgenisation or individual)       MAS     SERPA Site File       OFERE TRILE DATE COLLECTIO OF PARE		01 NUMBER OF	02 SAMPLES SENT TO	03 ESTIMATED DATE Results Availably
SURFACE WATER       None         SURFACE WATER       None         AIR       None         AIR       None         AIR       None         RUMOFT       None         SPILL       None         SOIL       Hone         SOIL       Hone         SOIL       Hone         SOIL       Hone         VEGATATION       None         OTHER       Hone         IN. FILLO HEASUREMENT TAKEN         INT TOTE         IN. FILLO HEASUREMENT TAKEN         STATE         INTER FILLO HEASUREMENT TAKEN         INTON	SAMPLE TYPE	SAMPLES TAKEN		
SUDACE WILK       None         NARTE       None         AIR       None         SPILL       None         SUBPORT       None         SUL       SUL         SUL       None         SUL       None         SUL       SUL         SUL       None         SUL       SUL         SUL       SUL         SUL       SUL         SUL       SUL	GROUND WATER	None		
AIR       None         AIR       None         AUNOFT       None         SPILL       None         SOIL       None         SOIL       None         SOIL       None         VEGATATION       None         OTHER       None         ITTPE       O2 COMMENTS TAKEN         OTHER       None         ITTPE       O2 COMMENTS TAKEN         AVA       O2 COMMENTS         NO       O4 LOCATION OF MAPS	SURFACE WATER	None		
RUBOFT       None         SPILL       None         SUBJEL       None         SUL       None         SUL       None         VEGATATION       None         OTHER       None         JI. TIRED REASURATION STAKES         II. TIRED REASURATION STAKES         JI. TIRED REASURATION STAKES         NO         STAR         O2 COMMENTS         R/A         O2 IN CUSTODY OF USEPA Region X Superfund         INFER FIELD DATA COLLECTED OF TARS         YEAS SITE         O4 LOCATION OF MARS         INTER FIELD DATA COLLECTED (Fronds marrative description)         SADELECT COLLECTED SCALECTED (Fronds marrative description)         Samples not Collected because all wastes have been reproved from the site and there is low potentisl         for hum	WASTE	None		
STILL       None         STILL       None         SOUL       None         VEGATATION       None         OTHER       None         IT.TILD MANUREMENTS TAKEN         ITTPE       O2 CONMENTS         NA       O2 CONTERTION OF MAPS         NAPS       USEPA SITE         NO       VERA SITE         NO       USEPA SITE	AIR	None		
SOIL       Nome         SOIL       Nome         VEGATATION       Nome         OTHER       Nome         OTHER       Nome         OTHER       Nome         II. TIELD MEASUREMENTS TAKES         N/A       02 COMMENTS         II. TIELD MEASUREMENTS         N/A         02 COMMENTS         N/A         02 COMMENTS         N/A         02 COMMENTS         NAME         NAME         VEGATATION         02 IN CUSTODY OF USEPA Region X Superfund         I TIFE X GROWED X AERIAL         02 IN CUSTODY OF USEPA Region X Superfund         (Name of organization or individual)         STATE         VEEPA Site File         NO         USEPA Site File         OTHER FIELD DATA COLLECTED (Provide marrative description)         Semples not collected because all westes have been removed from the site and there is low potential for human health fisks or environmental damage from the site.         SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample enalysis, reports)	RUNOFF	None		
SOL       VEGATATION       None         OTHER       None	SPILL	None		
OTHER       None         II. TIELD HEASUREMENTS TAKER         I TIFE       02 CONNENTS         N/A       02 CONNENTS         N/A<	SOIL	None		
II. TILD MEASUREMENTS TARKE         II. TIPE       02 COMMENTS         R/A       02 COMMENTS <t< td=""><td>VEGATATION</td><td>None</td><td></td><td></td></t<>	VEGATATION	None		
1 TYPE       02 COMMENTS         N/A       02 COMMENTS         OF INFORMATION OF MAPS       (Name of organization or individual)         N/A       USEPA Site File         N/A       USEPA Site File         OTHER FIELD DATA COLLECTED (Provide marrative description)         Samples not collected because all wastes have been removed from the site and there is low potential         for human health risks of environmental damage from the site.          SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample enalysis, reports)				
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F. FHOTOGRAPES AND MAPS         I TTPE X GROWND X ARTIAL         02 IN CUSTODY OF USEPA Region X Superfund (Name of organization or individual)         3 MAPS X VES NO         04 LOCATION OF MAPS X VES NO         USEPA Site File         OTHER FIELD DATA COLLECTED (Provide marrative 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.         Sources OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)	1 TYPE	02 COMMENTS		
1 TYPE X GROUND X AERIAL       02 IN CUSTODY OF USEPA Region X superiord         04 LOCATION OF MAPS       (Name of organization or individual)         3 MAPS       04 LOCATION OF MAPS         NO       USEPA Site File         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.         • SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)	N/A			
1 TYPE X GROUND X AERIAL       02 IN CUSTODY OF USEPA Region X Supervised (Name of organization or individual)         3 MAPS X YES NO       04 LOCATION OF MAPS         YES NO       USEPA Site File         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.         . SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)	1		2 2	
1 TYPE X GROUND X AERIAL       02 IN CUSTODY OF USEPA Region X superind         03 MAPS       04 LOCATION OF MAPS         X YES       USEPA Site File         NO       USEPA Site File         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.         . SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)	····			
1 TYPE X GROUND X AERIAL       02 IN CUSTODY OF USEPA Region X superind         03 MAPS       04 LOCATION OF MAPS         X YES       USEPA Site File         NO       USEPA Site File         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.         . SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)	W PHOTOGRAPHS AND	 MAPS		
3 MAPS       04 LOCATION OF MAPS         X YES       USEPA Site File         NO       USEPA Site File         OTHER FIELD DATA COLLECTED (Provide marrative 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.         Sources OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)		X AERIAL	02 IN CUSTODY OF USEPA Region X Supe	rfund
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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.			rrative description)	
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				e.
	SOURCES OF INFOR	MATION (Cite specific	references, e.g., state files, sampl	e analysis, reports)

EPA FORM 2070-13 (7-81)

			AZARDOUS WASTE SITE	I. IDENTIFI 01 STATE 02	
Врл			SPECTION REPORT	01 STATE 02 WA	D980726327
8		PART 7 -	OWNER INFORMATION PARENT COMPANY (If a)	mlicable	
II. CURRENT OWNER(S)				and the second	9 D+B NUMBER
1 NAME		02 D+B NUMBE		ľ	J DTO NONDER
Port of Seattle			(same)		),
10 0 POX	RFD . E	TC.) 04 SIC	CODE 10 STREET ADDRESS (P.C	O. BOX, RFD #, ETC.	) 11 SIC CODE
3 STREET ADDRESS (P.O. BOX	,		a		
P.O. Box 1209		l		13 0030001	4 ZIP CODE
5 CITY	06 STATE	07 ZIP CODE	12 CITY	13 51416	
seattle	WA	98111			
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1 NAME					
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CITY	JOG SINIE				
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245-25 <sup>100</sup>			l l		
		C.) 04 STC	ODE 10 STREET ADDRESS (P.	O. BOX, RFD #, ETC.	) 11 SIC COD
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					4 ZIP CODE
CITY	06 STATE	07-ZIP CODE	12 CITY	13 STATE 1	4 ZIP CODE
,					
	t most rec	ent first)	IV. REALTY OWNER(S) (	If applicable; list	most recent f:
II. PREVIOUS OWNER(S) (Lis		02 D+B NUMBI	R 01 NAME		02 D+B NUMBER
NAME					
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P.O. Box 3707					
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CITY	WA	98124-220	7		
Seattle					02 D+B NUMBER
NAME		02 D+B NUMBE	R 01 NAME		
	RFD #, et	c.) 04 SIC C	ODE 03 STREET ADDRESS (P.	O. Box, RFD #, etc.	) 04 SIC COD
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SOURCES OF INFORMATION (C.	ite specif	ic reference:	, e.g., state files, sample	analysis, reports)	
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	1	БРА				SITE INSPECTION	REPORT	101	STATE 02 WA	D980	NUMBER 726327
	ŧ.					T 8 - OPERATOR I					
	┝╌╴	CURRENT OPERATOR	Provi	de if diff	feren	t from owner)	OPERATOR'S PARENT COMPANY	(If	applicabl	•)	
	<b>1</b> -1	NAME			02	D+B NUMBER	10 NAME	•		11 D	+B NUMBER
		MRI Corporation (1)	assar)				Proler International				
											13 SIC CODE
	03	STREET ADDRESS (P.	O. BOX	, RFD #, H	ETC.)	04 SIC CODE	12 STREET ADDRESS (P.O. B	ож, 1	KPD W, BIC	,	13 SIC CODE
		6000 West Marginal					Unknown				
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		Seattle		WA		98108	nouscon				
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	08			Port of S							
	1	1977 - Present					PREVIOUS OPERATORS' PAREN				
	II	I. PREVIOUS OPERATO	R(S) ()	List most	rece	nt first; pro- rent from owner)	PREVIOUS OPERATORS. PAREN			r ab	
)			1100		02	D+B NUMBER	10 NAME			11	D+B NUMBER
1	01	NAME					1				
\$	1	Boeing Company		<u> </u>						لمرسم	13 070 000
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		SITE INSPECTI		01 STATE 02	SITE NUMBER D980726327
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				·	
. ON-SITE GENERATOR	1	02 D+B NUMBER			(
NAME					14
N/A				а а	
STREET ADDRESS (P.O. BOD	X, RFD #, ET	C.) 04 SIC CODE			
	06 STATE	07 ZIP CODE			
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		1			
II. OFF-SITE GENERATOR (S	)	02 D+B NUMBER	01 NAME		02 D+B NUMBER
NAME					
N/A			03 STREET ADDRESS (P.	O Box, RFD #. etc	.) 04 SIC CODE
STREET ADDRESS (P.O. BO)	K, RFD #, et	c.) 04 SIC CODE	03 STREET ADDRESS (P.		
	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
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		L			
V. TRANSPORTER(S)		02 D+B NUMBER	01 NAME		02 D+B NUMBER
NAME		02 DTB NORDER			(
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JIRDS INCLUSES					
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EPA FORM 2070-13 (7-81)

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	POTENTIAL EJ	LARDOUS WASTE SITE		IDESTIFICATION
,	SITE INS	PECTION REPORT	01	WA D980726327
	BPA PART 10 - PAST RI	SPONSE ACTIVITIES		
	. PAST RESPONSE ACTIVITIES		•	
<del>.</del>	A. WATER SUPPLY CLOSED	02 DATE	03 AGENCY	, 
	DESCRIPTION			
94	None			
	B. TEMPORARY WATER SUPPLY PROVIDED	02 DATE	03 AGENCY	
04	DESCRIPTION Non@			
23	C. PERMANENT WATER SUPPLY PROVIDED	02 DATE	03 AGENCY	
	DESCRIPTION None			
		02 DATE	03 AGENCY	· · · · · · · · · · · · · · · · · · ·
51	D. SPILLED MATERIAL REMOVED			
	DESCRIPTION None			
		02 DATE	03 AGENCY	
01	E. CONTAMINATED SOIL REMOVED	V6 VA10		
04	DESCRIPTION			
	None	02 DATE	03 AGENCY	
)1	F. WASTE REPACKAGED	V2 DAIL		
	DESCRIPTION			
	None	02 DATE	03 AGENCY	
1	G. WASTE DISPOSED ELSEWHERE	02 DATE		
	DESCRIPTION			25
1	None		03 AGENCY	
1	H. ON SITE BURIAL	02 DATE		
-	DESCRIPTION			
-	None		03 ) CEWC	(1) (1)
1	I. IN SITU CHEMICAL TREATMENT	02 DATE	03 AGENCY	
11	DESCRIPTION			
-1	None			
1	J. IN SITU BIOLOGICAL TREATMENT	02 DATE	V3 AGENCI	· · · · · · · · · · · · · · · · · · ·
-	DESCRIPTION			
	None			
1	K. IN SITU PHYSICAL TREATMENT	02 DATE	03 AGENCY	·
	DESCRIPTION			
- i	None			•
1	L. ENCAPSULATION	02 DATE	03 AGENCY	
-	DESCRIPTION			
	DESCRIPTION NONe			
	M. EMERGENCY WASTE TREATMENT	02 DATE	03 AGENCY	·
14 I	DESCRIPTION None		1921 -	
-	N CUTOFF WALLS 02 I	DATE	03 AGENCI	·
	N. CUTOFF WALLS			
4 1	DESCRIPTION None			
	O. EMERGENCY DIKING/SURFACE WATER DIVERSION	02 DATE	03 AGENCY	·
4 1	DESCRIPTION None			
-		02 DATE	03 AGENCY	
1	P. CUTOFF TRENCHES/SUMP			
4 I	DESCRIPTION			
-	None	02 DATE	03 AGENCY	
1	Q. SUBSURFACE CUTOFF WALL	02 DATE		
4 E	DESCRIPTION			
- <b>N</b>	lone			

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	POTENTIAL HARARDOUS WASTE SITE			BUTIFICATION	
, 783	SITE INSPECTION REPORT		01 STA WA	TE 02 SITE NUMBER D980726327	
вра	PART 10 - PAST RESPONSE ACTIVITIES				
II. PAST RESPONSE ACTIVITIES (Conti	nued)				
R. BARRIER WALLS CONSTRUCTED	02 DATE	03 AGI	NCY -		-(
A DESCRIPTION Non•					
	02 DATE	03 AG1	ENCY		
1S. CAPPING/COVERING					
4 DESCRIPTION None					
	02 DATE	03 AG	ENCY		
1T. BULK TANKAGE REPAIRED	V2 DA10				
DESCRIPTION					
None		03.36	NCV		
U. GROUT CURTAIN CONSTRUCTED	02 DATE	US AG	- <sup>caci</sup>		
4 DESCRIPTION					
None					
V. BOTTOM SEALED	02 DATE	03 AG	ENCY _		
4 DESCRIPTION Non•					
	02 DATE	03 AG	ENCY		
W. GAS CONTROL			_		
DESCRIPTION					
None	02 DATE	03 AG	ENCY	C.	
X. FIRE CONTROL	02 DATE				
DESCRIPTION 4					
None					
1 Y. LEACHATE TREATMENT	02 DATE	03 AG	ENCY -		_
A DESCRIPTION None				( <i>N</i> )	
	02 DATE	03 AG	ENCY _		
LZ. AREA EVACUATED					$\left( \right)$
DESCRIPTION None					5
	02 DATE	03 AG	ENCY		
1. ACCESS TO SITE RESTRICTED					
DESCRIPTION					
None	02 DATE	03 AG	ENCY		
2. POPULATION RELOCATED			-		
DESCRIPTION					
None		03 AG	ENCY	·····	
3. OTHER REMEDIAL ACTIVITIES	02 DATE	US AG.			
DESCRIPTION					
None					
110119				<i>t</i> 5	
Cite Speci	ific references, e.g., state files, samp	le analys	is, rep	ports)	
. SOURCES OF INFORMATION CETCE SPOCE					
USEPA Site File					
UDERA DICE I ING					

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	POTENTIAL HAZARDOUS WASTE SITE	I. IDENTIFICATION	
врл	SITE INSPECTION REPORT	01 STATE 02 SITE NUMBE WA D980726327	R
	PART 11 - ENFORCEMENT INFORMATION		
. ENFORCEMENT INFORMAT	EMENT ACTION YES X NO		
PAST REGULATORY/ENFORC			
DESCRIPTION OF FEDERAL	, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION		
None			
•			
		comple analysis renerts)	
	M (Cite specific references, e.g., state files,	, sample energons, reports;	. <u> </u>
ELE Site Inspection, 11, USEPA Site File.	03/87.		
USEPA Site File.			
FORM 2070-13 (7-81)			
EANI FAIR TA (1 AF)			



# 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.

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T 30 1987

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,

Daniel A. Buchen

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.  $\S$ 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.

-2-

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.

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

Expiration Date:

October 31, 1991

Approved By: Robie G. Russell

Photograph

Regional Administrator

RGR/ng

		WA D980726327 Site ID:
	POTENTIAL HAZARDOUS WASTE SITE	County, King
	PRELIMINARY ASSESSMENT	Priority Assessment: Medium
	Summary Memorandum	Backlog Red. Cat.:
		Date/Revised: 11/27/84
	Name and Location:	
		oohrmann ) 382–3330 Active ( ) Inactive ( ) Unknown
ł	Site Description/TSD Activities:	
	This 95-100 acre site owned by the Port of Seattle houses operated by the Port and three tenants: Sea food processor; Foss Alaska Line, a shipper; and M cycler. MRI is the only known generator of hazardo Boeing Plant # 1 was located on the S half of the	Pro/SeaFreeze, a sea- RI Corp. a metal re- us wastes on site.
	Waste Types/Quantities/Characteristics:	
	levels. These ponds (60'x 60' x 6') are now filled sludges and contaminated soils were removed. It is were produced by Boeing or how they were disposed of Physical/Social Environment:	unknown what wastes
-		
	Most of the site is paved. Site is located in comme of Seattle, adjacent to the Duwamish Waterway. Thre schools within one mile. There is no use of groundw for drinking within three miles.	e parks and four
	Pollutant Mobilization/Pathways/Risk:	
F F	Soils and groundwater around MRI's old evaporation nated with subsequent potential for contamination o way. On the old Boeing property on the south half o potential for soils and groundwater contamination a filled or discharged on site.	f the Duwamish Water-
F	Priority Assessment/Backlog Reduction Category:	
٣	1edium	
F	ollowup Recommendations:	
	RI Corp. should be contacted to determine closure p	precedures for ever
Ö	ration ponds and whether any soils sampling was por	Advadad at the fi

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oration 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.

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8	POTENTIAL HAZARDOUS WASTE SITE		NTIFICATION
53 <b>-</b> 19	PRELIMINARY ASSESSMENT		02 Site Number
	Part 3 - Description of Hazardous Conditions & Incidents	WA	D980726327
	II. HAZARDOUS CONDITIONS AND INCIDENTS		
-	01 (X) A. Groundwater Contamination 02 () Observed (Date: ) (2	C) Potentia	( ) Alleged
		Duttom	leb Water-
	03 Population Potentially Affected: 04 Narrative Description Facility is located on artificial fill adjacent to the way. GW is at < 15 ft. Several tenants on site. MRI Con		ed to have
	I mean water ponds for spent plating wastes. GW contamin	nacion	likely.
	Boeing conducted unknown activities here; unknown poter	itial :	trom them.
	01 (X) B. Surface Water Contamination 02 () Observed (Date: ) (2	() Potential	( ) Alleged
	03 Population Potentially Affected: MRI Corp., a tenant on site, used to have lagoons which	n drain	ied into the
	MKI Corp., a conduct on only high likelihood that these flo	DWS COI	itained nigh j
	lead levels. Unknown whether Boeing discharged anything	g to SV	l at this
	site.	) Potential	· · · · · · · · · · · · · · · · · · ·
l	at (A) C Contamination of AIr	,	
	0 03 Population Potentially Affected: None reported or suspected from any on site tenants. 73	00 res	sidents and
	transients within one mile.		
╞	01 (X) D. Fire/Explosive Conditions 02 () Observed (Date: ) (	) Potential	( ) Alleged
	03 Population Potentially Affected: 04 Narrative Description No known certified fire/explosion threat.		
		500 24	
	01 (X) E. Direct Contact 02 () Observed (Date: ) (	) Potential	( ) Alleged
	03 Population Potentially Affected: 04 Narrative Description Facility is fenced and access currently restricted. Unk	nown w	hat the
-	past practices were, but direct contact appears to hav	e been	unlikely.
			<u>*</u>
	at (X) E Contamination of Seil 02 ( ) Observed (Date: ) (X	) Potential	( ) Alleged
	03 Area Potentially Affected (acres): MRI Corp. had lagoons for spent plating wastes and "bla MRI Corp. had lagoons for spent plating wastes and "bla	ck mud	s . High te, had
	likelihood of soil contamination. Boeing, on south side unknown waste disposal practices. Soil in area is artif	icial	fill of un-
	known composition, presumed to be permeable sands and g	ravels	•
$\mathbf{F}$	01 (X) G. Drinking Water Contamination 02 () Observed (Date: 5) (	) Potential	( ) Alleged
		es for	drinking.
	03 Population Potentially Affected: 04 Narrative Description No use of groundwater or surface water within three mil		
		1	
Γ	01 (X) H. Worker Exposure/Injury 02 () Observed (Date: ) (X	) Potential	( ) Alleged
	01 (X) H. Worker Exposure/Injury 02 () Observed (Sole) 03 Workers Potentially Affected: None reported. Unknown how many people work at Terminal None reported. Unknown how many people work at Terminal	115.	MRI Corp.
	is the only known current generator of nazardous wastes	on si	te. Unknown
	what safety practices are followed.		
L	(X)   Devolution Exposure/Injury 02 ( ) Observed (Date: ) (X	) Potential	( ) Alleged
ł	01 (X) 1. Population Exposure/Injury 02 () Observed (Date: ) (A	,	( )
1	01 (X) 1. Population Exposure/Injury 02 ( ) Observed (Diter 03 Population Potentially Affected: 04 Narrative Description 05 Of GW or SW for drinking within Because there is no use of GW or SW for drinking within	three	miles, the
1	the stand the set of t	II OI C	ontaminated
	food organisms. The likelihood of this occuring is unkn	0 W II 4	
1			

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT Part 3 - Description of Hazardous Conditions & Incidents WA D980726327
11. HAZARDOUS CONDITIONS AND INCIDENTS (continued)
11. HAZARDOUS CONDITIONS AND INCLUENCE (continuency)       01 (X) J. Damage to Flora       02 () Observed (Date:
04 Narrative Description None reported or suspected.
01 (X) K. Damage to Fauna 02 () Observed (Date: ) (X) Potential () Alleged
04 Narrative Description (include name(s) of species) None reported. The Duwamish waterway is a salmon migration route.
01 (X) L. Contamination of Food Chain 02 ( ) Observed (Date: ) (X) Potential ( ) Alleged
04 Narrative Description None reported. Recreational and commercial fishing occurs downstream of the site in Elliott Bay. Lead is known to bioaccumulate.
01 (X) M. Unstable Containment of Wastes 02 (X) Observed (Date: 1960'5) () Potential () Alleged (spills/runoff/standing liquids/leaking drums) 03 Reputation Potentially Affected: 04 Narrative Description
(spills/runoff/standing inquenties of Marrative Description 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
None reported or suspected.
01 (X) O. Contamination of Sewers, 02 (X) Observed (Date: 1970'5) () Potential () Alleged Storm Drains, WWTPs
Sharrylive Description 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 {} Aileged
04 Narrative Description None known. Dragout sludges from MRI are now hauled by registered car- ier to landfill. Unknown what waste disposal practices were followed at
the Boeing plant.
OS 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.
111. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown
IV. COMMENTS
MRI Corp. should be contacted to determine closure procedures for evap- oration 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 5. Messman, R. McBermack, perer Seman 10/26/84; 1980 ERRIS files; METRD files and D. Hildebrand, pers. comm. 10/25/84; WDDE well 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
lone: Wallus 1707; www waavers a many titler, a second state

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		AL HAZARD			 TE	I. IDE	NTIFIC/ 2 Site Number	ATION
	Part 1 - Site Information and Assessment							
				~>>e>>H		WA	D980726	5327
11. SITE NAME AND		f site)	102 Street	Route No.	or Specific Loca	tion Identif		·
			1			alon identif	ler	
Port of Seattle-Ter	·m• 115	<u></u>		W. Marg 05 Zip Code	ginal Way		07 County	los Cana
Seattle			WA	98108	King		Code 033	Dist 07
09 Coordinates	Longitude		Section/T	ownship/Ran	l	· <u> </u>		
Latitude	congresse		See	below				
1 10 Directions to Site (starting from	nearest public ro	ad)	L	·				<u> </u>
N1/2 Sec. 30, S1/2	Sec. 19, T2	4N, R4E, WM						
III. RESPONSIBLE PA	RTIES							
01 Owner (if known)			02 Street	(business, m	ailing, residentia	al)	<u> </u>	
Port of Seattle, Mai	in Off.		P.O.	Box 120	9			
03 City Seattle		1	04 State	05 Zip Code	06 Telephone Nu		1	
			WA	98111	(206)3823	3330		
07 Operator (if known and different	from owner)		08 Street (	business, m	ailing, residentia	1)	<b>_</b>	
See below		1						
09 City		1	0 State 1	1 Zip Code	12 Telephone Nur	nber	1	
1					()			
13 Type of Ownership (check one)				······				
() A. Private () B. Fe (X) F. Other: Port Distric			(	) C. State		unty ( )	E. Municipal	- 1
Owner/Operator Notification on Fil		pply)		) G. Unkno	WN		<u> </u>	
( )A. RCRA 3001, Date Rec'd:		)B. Uncontrolle	d Waste Si	te (CERCLA	103c), Date Rec	d: /	/ (x)	C. None
IV. CHARACTERIZATIC		the second s	ARD		······································		(11)	
01 On Site Inspection		all that apply):	•					
(X) Yes, Date: 59 / / 04 () No	(X) Yes, Date: 69 / /84 ()A. EPA ()B. EPA Contractor ()C. State ()D. Other Contractor ()No ()E. Local Health Official (X)F. Other: METRO inspector							
	Contractors		( )					
02 Site Status (check one)		03 Years of		ar ending y		·····		[
(X)A. Active ()B. Inactiv	e ()C. Unkn	own	Unk.		(	) Unknown		1
04 Description of Substances Possibly	Present, Known, (	or Alleged						
Terminal 115 is a 10	00-acre site	e owned by t	he Por	t of Sea	attle. 2 st	teel war	e-	
houses on site operative site: SeaPro/Sea	afed by the Afreeze, a s	fort for sn seafood proc	essor:	• Three Foss A	tenants al laska Line	lso occu , a shin	py Der:	
and MRI Corp., a tir hazardous wastes on	recycler.	MRI is the	only t	enant wi	th known o	r suspe	cted	
in the 1950's and 19	/60's.				ICH HAII UI	L LINE SI	Le	
05 Description of Potential Hazard to En	vironment and/or	Population						
MRI Corp. used to ha	ve sludge e	vaporation	ponds	on site;	potential	remain	S	
for soil and groundw Boeing used to have	an airplane	manufactur	ing pl.	ant on s	site. It is	unknow	n	
what may have result were followed.	ed from thi	s activity (	or what	t waste	disposal p	ractice	S	
		<u></u>						
V. PRIORITY ASSESSME! 01 Priority for Inspection (check one; if		checked complete	a Paul 7	and Decision				
( )A. High	(X) B. Medium			ind Part 3) (inspect on	time ( )D.	None (no fur	ther action	
(inspection required promptly)	(inspection	required)	availab	le basis)	Cor	nplete curre	nt disposition	n form)
	OZ Of (agency/or	The second s				Ing Talant	A1	
	WDOE	39.112 (ION)					one Number	
Ned Therien	WDUE 05 Agency	06 Organization	· · · · · ·	07 Talasta	n Number		4596352	
A Person Responsible for Assessment Barbara Morson		JRB Associ	ates	07 Telephon 206 7	477899	08 Date	27 / 84	

Modified (5/84) from EPA Form 2070-12 dated 7/81

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•	0	–	NTIAL HAZA PRELIMINAR	Y ASSESSM	ENT	01 State	NTIFICATIO
ļ			Part 2 - Was	ste informat	ion	WA	D9807263
Π. V	VASTE STATES, Q	UANTIT	TIES, AND C				<b>.</b>
	cal States	02 Waste	Quantity at Site res of waste quantit		acteristics (check all	that apply)	
	s all that apply) Solid () E. Slurry		be independent)	(X)A. Toxic	(X) E. Solubl	• ()	I. Highly Volatile
	Powder, Fines (X) F. Liquid	Tons:	Ink	(X)B. Corre	• ••	<b>N N N N</b>	J. Explosive
	Sludge () G. Gas		<sub>rds:</sub> Unk.	•	active († )G. Flamm		K. Reactive
	Other;		ums: Unk.	(X) D. Persi	stent ()H. Ignita	· · · · ·	L. Incompatible
		NO. 01 01					M. Not Applicable
	WASTE TYPE	•					
Category			01 Gross Amount	02 Unit of Measure	03 0	Comments	
SLU	Sludge						
OLW	Oily Waste						
SOL	Solvents						~
PSD	Pesticides						
000	Other Organic Che	emicais	İ				
100	Inorganic Chemica	IIS		<del>,</del>	<u> </u>		
ACD BAS	Acids Bases						
MES	Heavy Metals		Unknown	N/A	Metal sludg	o and	vie chustor
	AZARDOUS SUBST	ANCES		dix for mos	t frequently c	ited CAS	S numbers)
01 Cat.	02 Substance Name		03 CAS Number		/Disposal Method		tration 06 Measure Concentr
MES	Cadmium		7440439	Permitte	d discharge	3	mg/1
MES	Chromium		7440473		discharge	6	mg/l
MES	Copper		7440508	Permitteo	discharge	. 3	mg/1
MES	Nickel		7440020		<u>l discharge</u>	6	mg/1
MES	Lead		7439921		<u>discharge</u>	3	<u>mg/1</u>
MES	Zinc		7440666	Permittec	l discharge	5	mg/1
<u> </u>							
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+	······································	1				1	
				······································		1	
	3						
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				<u></u>	<u></u>	+	
VEE	EDSTOCKS (see App	pendix	for CAS nur	nbers	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
V. FEI Category	01 Feedstock Name		02 CAS Number	Category	01 Feedstoo	k Name	02 CAS Num
FDS	Sodium hydrox		1310732	FDS			
FDS	Sodium nitrat		7631994	FDS			
	Sodium sulfhy		Unknown	FDS		· · · · · · · · · · · · · · · · · · ·	
- LUD							
FDS FDS	Sulfuric acid		7664939	FDS			

METRO permit files for MRI Corporation; Sax, 1984

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

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,

Deborah Flood

Deborah Flood Environmental Protection Specialist Superfund Response & Investigations Section

Enclosure

cc: Bob Kievit, EPA-WOO 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

T0:	John Osborn, FIT-RPO, USEPA, Region X
THRU:	David Buecker, FIT-OM, E&E, Seattle
FROM:	William Richards, FIT-SM, E&E, Seattle
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.
  - 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 sever 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.
- 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.


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Į.	POTENT		S WASTE SITE		I. IDENTIFI	and the second
	PDA	TE INSPECTIO			01 STATE 02 WA	D980726327
I	PART 1 - SITE L	OCATION AND	INSPECTION IN	FORMATION		
	II. SITE NAME AND LOCATION		102 000000	DOIME NO	OR SPECIFIC LOCATI	ION IDENTIFIER
	01 SITE NAME (Legal, common, or descriptive n	ame of site)	UZ STREET,	ROUTE NO., st Marginal	Way	
	Port of Seattle - Terminal 115		6020 Wes	t Marginar	<b></b>	07 COUNTY 08 CO
	03 CITY	8	04 STATE 05 WA	5 ZIP CODE 98108	06 COUNTY King	07 COUNTY 08 CO CODE DI 033 07
	Seattle 10 TYPE OF	OWNERSHIP (C	heck one)			
	09 COORDINATES	ATE B. F	EDERAL	c.	STATED.COUNTY	X E. MUNICIPAL
		R			G . UNKNOW	8
	III. INSPECTION INFORMATION					
ļ	01 DATE OF INSPECTION 02 SITE STA	rus 03	YEARS OF OPER			
l	11/03/87		1917			aknown
	MO/DAY/YRINA	TIVE	BEGINNING YEA	ar end	ING YEAR	
L		at apply)				
	04 AGENCY PERFORMING INSPECTION (Check all chi A. EPA X B. EPA CONTRACTOR Ecology 4 Envi	ronment. In	cC. MU	NICIPAL _	D. MUNICIPAL CONT	TRACTOR
ŀ	A. EPAB. EPA CONTRACTOR ECOLOGY & SMALL	(rm)		_		(Name of firm
	E. STATEF. STATE CONTRACTOR		G. OTHER			
ŀ	E. STATEF. STATE CONTAINED (Name	of firm)			(Specify)	
Ļ		06 TITLE		07 ORGANI	ZATION	08 TELEPHONE NO.
0	5 CHIEF INSPECTOR William Richards	Field In	nspector	ESE, I	nc.	(206) 624-953
		10		11 ORGANI	ZATION	12 TELEPHONE NO.
To	9 OTHER INSPECTORS	10 TITLE Field In	spector	ELE, I		(206) 624-953
	Robert Duffner	Lield I	"ohac cor			
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	1)					( ·
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				<u> </u>		
	and the second and the second s					
		14 TITLE		15 ADDRES	s	16 TELEPHONE NO.
1	3 SITE REPRESENTATIVES INTERVIEWED	Env. Enc	incer	P.O. B	ox 1209	(206) 728-310
	George Blomberg	Port of		Seattl	e, WA	
		Plant Ma	nager	6000 W	. Marginal Way e, WA	(206) 767-433
	Jack Force			Seattl		
-						
		2				
_						
_						
						1
1	7 ACCESS GAINED BY 18 TIME OF INSPECTION	19 WEATHER	CONDIIONS			
	(Check one)	Overcast	, 50°, no wi	nd. 👘		
	X PERMISSION					
	WARRANT					
	IV. INFORMATION AVAILABLE FROM			ion)		03 TELEPHONE NO.
-	DI CONTACT		cy/Organizat			(206) 4427 -72
	Deborah Flood	USEPA Re	gion X Super	Idnu		
-	4 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGAN	IZATION	07 TELPHONE NO.	08 DATE
C	William Richards	EPA-FIT	E&E,	Inc.	(206) 624-9537	11/16/87
						J
	EPA FORM 2070-13 (7-81)					

<u> </u>		POTENTIAL HAZ	ARDOUS WASTE SITE		I. IDESTI	
8			CTION REPORT		01 STATE WA	02 SITE NUMBE D980726327
ера			TE INFORMATION	- E.		
					1.83	2
I. WASTE ST.	ATES, QUANTITIES, AND	2 WASTE QUANTITY AT	SITE 03 WASTE CHARAC	TERISTICS		
PHYSICAL						
eck all t	hat apply)	Measures of waste qu ies must be independ	ent) X A. TOXIC	E. SOLUBLI	sI.	HIGHLY VOLATI
A. SOLID	E. SLURRY		B. CORROSIV	E F. INFECT	tousJ.	EXPLOSIVE
B. POWDER	FINES F. LIQUID	TONS Unknown	C. RADIOACT		BLEK.	REACTIVE
X C. SLUDGE	G. GAS	CUBIC YARDS approx.			BLEL.	INCOMPATIBLE
D. OTHER		CUBIC IARDS approx.	<u> </u>		м.	NOT APPLICAB
	(Specify)	O. OF DRUMS unknown				
II. WASTE T	TPE	01 GROSS AMOUN	T 02 UNIT OF MEASUR	E 03 COMMENTS	1	
CATEGORY	SUBSTANCE NAME			MRI Corp. was	stes	
SLU	SLUDGE	Unknown				
OLW	OILY WASTE			Boeing Plant	I	
SOL	SOLVENTS	Unknown				
PSD	PESTICIDES					
occ	OTHER ORGANIC CHEMIC	ALS		Boeing Plant	I	
IOC	INORGANIC CHEMICALS	Unknown		Boeing Plant		
ACD	ACIDS	Unknown				· · · · · · · · · · · · · · · · · · ·
BAS	BASES			Boeing Plant	I	<u></u>
MES	HEAVY METALS	Unknown				
V. HAZARDOU	HEAVY METALS	endix for most freque	antly cited cha mane			06 MEASURE
	02 SUBSTANCE NAME	03 CAS NUMBER	4 1.1 (2017) 2017. (2017)	SAL METHOD 05 CO	NCENTRATION	CONCENTRAT
1 CATEGORY		999	Surface Impoundme	ont Unkn	own	
MES	Lead	999	Surface Impoundme	ent Unkn	owa	
MES	Zinc					
						8
~	3		0	()		
J		50 E				
	+					
				:		
· _ · _ · _ · _ · _						
	S (See Appendix for C)	AS Numbers) (MRI Con	rp.)			
	01 FEEDSTOCK NAM	E 02 CAS NUMBER	R CATEGORY	01 FEEDSTOCK	NAME	02 CAS NUMBER
		7664-93-9	FDS			
CATEGORY		/004-33-3				
CATEGORY FDS	Sulfuric Acid	7632-00-0	FDS			
CATEGORY FDS FDS	Sulfuric Acid Sodium Nitrate		FDS FDS	11	21	
CATEGORY FDS FDS FDS	Sulfuric Acid Sodium Nitrate Sodium Sulfhydrate	7632-00-0 999	FDS FDS			
CATEGORY FDS FDS FDS	Sulfuric Acid Sodium Nitrate Sodium Sulfhydrate	7632-00-0 999	FDS FDS	, sample analysis	, reports)	
CATEGORY FDS FDS FDS FDS VI. SOURCE	Sulfuric Acid Sodium Nitrate Sodium Sulfhydrate Sodium Hydroxide SS OF INFORMATION (Cite	7632-00-0 999 1310-73-2 specific references	FDS FDS	, sample analysis	, reports)	
CATEGORY FDS FDS FDS FDS FDS VI. SOURCE	Sulfuric Acid Sodium Nitrate Sodium Sulfhydrate	7632-00-0 999 1310-73-2 e specific references	FDS FDS 5, e.g., state files	, sample analysis	, reports)	

form 2070-13 (7-81)

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4	•				1.
<u> </u>		POTENTIA	L BALARDOUS WASTE SITE	I. IDENTIFICATION	<i>*,</i> 3
4	· · · ·	SITE	INSPECTION REPORT	01 STATE 02 SITE NU WA D980726	MBER 327
	Ера	PART 3 - DESCRIPTION	OF HALARDOUS CONDITIONS AND INCIDENTS		
	. HALARDOUS CONDITIONS	AND INCIDENTS			
11	X A. GROUND WATER CONT.	AMINATION	02 OBSERVED (DATE:)	X POTENTIAL	ALLEGED
			04 NARRATIVE DESCRIPTION		
03	Population Follation covered waste handling 10 to 13 feet below the Waterway.	Contamination from res areas at the former Bo site. Ground water s	iduals in buried lagoon at MRI Corporation being Plant I Site. Shallow ground wat hay be hydraulically connected to the ac	tion and from asphal er lies approximatel djacent Duwamish	ty
	CON	TAMINATION	02 OBSERVED (DATE:)	X POTENTIAL	ALLEGED
01	X B. SURFACE WATER CONT	AFFECTED:	04 NARRATIVE DESCRIPTION		
03	POPULATION POTENTIALLY None reported or observ adjacent to the site. and the Duwamish Waterwa	ed. Site is covered we storm drains discharge my and potentially con	with asphalt and served by storm drains to the waterway. Hydraulic connection taminated ground water could affect th	. The Duwamish Wate ns exist between gro e Waterway.	rway is und water
		170	02 OBSERVED (DATE:)	POTENTIAL	ALLEGED
01	C. CONTAMINATION OF		04 NARRATIVE DESCRIPTION		
03	POPULATION POTENTIALLY	ar enemerted			
-	None reported, observed,	, of suspected.			
<u> </u>	D. FIRE/EXPLOSIVE CON	DITIONS	02 OBSERVED (DATE:)	POTENTIAL	ALLEGED
01	D. FIRE/EXPLOSIVE COM POPULATION POTENTIALLY A	FFECTED:	04 NARRATIVE DESCRIPTION		
03	None reported, observed,	or suspected.	-		
	None reported, observed;	••••••			
			AT OBSERVED (DATE: )	POTENTIAL	ALLEGED
01	E. DIRECT CONTACT		02 OBSERVED (DALE)		
03	POPULATION POTENTIALLY A	FFECTED:	04 NARRATIVE DESCRIPTION		
	None reported, observed,	or suspected.			
	54 1				C
~1	X F. CONTAMINATION OF S	OIL	02 OBSERVED (DATE:)	X POTENTIAL	ALLEGED
02	AREA POTENTIALLY AFFECTE	D: Unknown	04 NARRATIVE DESCRIPTION		
03	AREA POIDALLINGE	(ACIUS)	MRT lacoon or the former Boeing Plan	t I Site.	
	Potential soil contaminat	LION IFOM TESIGUEIS IN	MRI lagoon or the former Boeing Plan		
01	G. DRINKING WATER CONT	CAMINATION	02 OBSERVED (DATE:)	POTENTIAL	ALLEGED
	POPULATION POTENTIALLY AN	FFECTED:	04 NARRATIVE DESCRIPTION		•
	None reported, observed, are not utilized for drin	or suspected. The Gr	ound water and surface water within t	hree miles of the Si	20
					ALLEGED
01	H. WORKER EXPOSURE/INJ	URY	02 OBSERVED (DATE:)	POTENTIAL	
	WORKERS POTENTIALLY AFFEC	.TED:	04 NARRATIVE DESCRIPTION		
	None reported, observed,	or suspected.			
			а.		
¥2		/INJURY	02 OBSERVED (DATE:)	POTENTIAL	ALLEGED
01 .	I. POPULATION EXPOSURE	FECTED:	04 NARRATIVE DESCRIPTION		
03	POPULATION POTENTIALLY AF	or suspected.			
1	None reported, observed,	or addaggees			

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1	
:	POTENTIAL BARARDOUS WASTE SITE I. IDENTIFICATION
	EPA SITE INSPECTION REPORT 01 STATE 02 SITE NUMBER WA D980726327
-	PART 3 - DESCRIPTION OF HAEARDOUS CONDITIONS AND INCIDENTS
	II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)
	J. DAMAGE TO PLORA 02 OBSERVED (DATE:) POTENTIAL ALLEGED
.(	NARRATIVE DESCRIPTION
	None reported, observed, or suspected.
	None reported, observes,
:	
	01 K. DAMAGE TO FAUNA 02 OBSERVED (DATE:) POTENTIAL ALLEGED
	04 NARRATIVE DESCRIPTION (Include name(s) of species)
	None reported, observed, or suspected.
	ALLEGED OF FOOD CHAIN 02 OBSERVED (DATE: ) X POTENTIAL ALLEGED
-1	01 <u>x</u> L. CONTAMINATION OF FOUR CHAIN
	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 02OBSERVED (DATE:) POTENTIALALLEGED
	01M. UNSTABLE CONTAINABLE of Machine drums
-1	(Spills/funori/standing 04 NARRATIVE DESCRIPTION 03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION
	03 POPULATION POTENTIALLY Includes a second
1	The MRI Corporation lagoon was not inner the second s
1	
J	01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE:) POTENTIAL ALLEGED
	04 NARRATIVE DESCRIPTION
7	None reported, observed, or suspected.
287.1	
	OZ OBSERVED (DATE: ) X POTENTIAL ALLEGED
	01 X O. CONTAMINATION OF SEWERS, 02OBSERVED (DATE:) X POTENTIALALLEGED
1	04 NARRATIVE DESCRIPTION
	None reported or observed. Potential of contaminants from spills, leaks, etc. flowing over asphalt to storm
	drains located on site.
1	
	01 F. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (DATE:) POTENTIAL ALLEGED
11	01P. ILLEGAL/UNAUTHORIZED DOINT INC
	04 NARRATIVE DESCRIPTION
۲	None reported, observed, or suspected.
3	
1	05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
	None
П	
	APPECTED: 0
1	III. TOTAL POPULATION POTENTIALLY APPECTED: 0
	IV. COMMENTS
łŀ	the site. Low potential of surface water
	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.
	7979899, mrs 2022221 -
ŀ	V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)
h	
ľ	4E Site Inspection, 11/03/87. Ecology Well Log Files. Department of Social and Health Services Public Water Supply Services.
	Department of Suchai and Horon the first state of the second state

40 - 40 -				
врл			0	WA D980726327
	PART 4 - PERMIT AND	DESCRIPTIVE INF	ORMATION	
		103 DAME TECHED	INA EXPERATION DATE	105 COMMENTS
	UZ PERMIT NUMBER	US DATE ISSUED	VI BATIMALION DALD	(
A. NPDES				
B. UIC				
C ATP				
		<u> </u>		
D. RCRA				
E. RCRA INTERIM STATUS				
F SPCC PLAN				
				· · · · · · · · · · · · · · · · · · ·
G. STATE (Specify)				
X H. LOCAL (Specify)	7067-R11/84-1	1984	1989	Sewer Discharge for MRI Corp.
				1
UINBA (Special)				]
J. NONE				
	1	······	I	
1 STORAGE/DISPOSAL 02 AM	OUNT 03 UNIT OF M			05 Other
(Check all that apply)	3	-		
A A. SORFACE I.I. COMPANY				X A. BUILDINGS ON S
				·
	····			06 AREA OF SITE
				approx. 90 (Ac
		G. 01	THER RECYCLING/RECOV	ERY
		н. от	THER	
			(Specify)	
(Specify)				
				•
MRI Corp. used a 60' x 60' x 6'	lagoon for sludge ( until it was trans	disposal on site sported off site	o until the late 1970 for disposal.	<b>0s.</b> Boeing reportedly
stored nazardous wastes in time		• • • • • • • •	-	
V. CONTAINMENT				
	) Unknown			
A. ADEQUATE, SECURE	B.MODERATE	C.INADEQUATE,	POOR <u>X</u> D. INSI	ECURE, UNSOUND, DANGEROUS
	TERS, BARRIERS. ETC			<u> </u>
A A MOT MAR HT	lined Lagoon has	since been exc	avated and covered w	with native soil.
Containment practices at former E	being plant are un	iknown.		
			· · · · · · · · · · · · · · · · · · ·	
	X NO			5
WASTE EASILY ACCESSIBLE: YES COMMENTS	<u></u> NO			
WASTE EASILY ACCESSIBLE: YES COMMENTS				
FA     DIT INSPECTOR MERCRY     DIT INSPECTOR MERCRY       II. FROMIT INFORMATION     DAT 4 - FROMIT AND DESCRIPTIVE INFORMATION       DITTER OF FEMALT INFORMATION       DITTER OF FEMALT INFORMATION       DITTER OF FEMALT INFORMATION       DITTER OF FEMALT       Check at poly				
WASTE EASILY ACCESSIBLE: YES COMMENTS All potential wastes on site are	covered.	e.g. state file	es, sample analysis,	, reports)
WASTE EASILY ACCESSIBLE: YES COMMENTS All potential wastes on site are YI. SOURCES OF INFORMATION (Cite sp	covered. ecific references,	e.g. state file	es, sample analysis,	, reports)
WASTE EASILY ACCESSIBLE:YES COMMENTS All potential wastes on site are YI. SOURCES OF INFORMATION (Cite sp ELE Site Inspection, 11/03/87. Beau	covered. ecific references,		es, sample analysis,	, reports)
WASTE EASILY ACCESSIBLE:YES COMMENTS All potential wastes on site are YI. SOURCES OF INFORMATION (Cite sp Ese Site Inspection, 11/03/87. Beau	covered. ecific references,		es, sample analysis,	, reports)
WASTE EASILY ACCESSIBLE:YES COMMENTS All potential wastes on site are YI. SOURCES OF INFORMATION (Cite sp Ese Site Inspection, 11/03/87. Beau	covered. ecific references,		es, sample analysis,	, reports)

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£3		POTENTIAL HAZARDO	NIS WASTE SIT			I. IDENTIFICATION	6.7
4		SITE INSPECT			0	1 STATE 02 SITE N WA D98072	UMBER
BPA	PART 5 - W	ATER, DEMOGRAPHI		MENTAL DATI	ι L	WA D98072	6327
II. DRINKING WATER SUPPLY		• • • • • • • • • • • • • • • • • • • •				8	
						DISTANCE TO SITE	
(Check as applicable)		02 STATUS			03	DISTANCE TO SITE	
SURFACE	WELL	ENDANGERED	AFFECTED	MONITORE	D		
	B	A	B	c. <u>x</u>	[	A. >30	_(mi)
COMMUNITY     A. X       NON-COMMUNITY     C.	D	D	E	F		в	_(mi)_
					1	<u> </u>	
III. GROUND WATER	WINT (Check					······································	
01 GROUND WATER USE IN VICI	B. DRINKING	, ,	XC.COMP	ERCIAL. IND	USTRIAL I	RRIGATION	D. NOT USED
A. ONLY SOURCE FOR	Other source	s available)	(Limit	ed other sou	urces ava	ilable)	UNUSABLE
	COMMERCIAL, I	NDUSTRIAL, IRRIG er sources avail	ATION able)				
					<u> </u>		
02 POPULATION SERVED BY GRO	UND WATER	0	O3 DISTAN	ICE TO NEARES	ST DRINKI	NG WATER WELL	<u>&gt;3 (mi)</u>
04 DEPTH TO GROUND WATER 0	5 DIRECTION O	F GROUND WATER	06 DEPTH	TO AQUIFER	07 POTEN OF AQ	TIAL YIELD 08 SOL UIFER AQU	E SOURCE IFER
	East			3 (ft)	_	n (gpd) YE	
10 - 13 (ft)							
09 DESCRIPTION OF WELLS (ID	cluding usage	, depth, and loca	ation relati	ve to popula	ation and	buildings)	
09 DESCRIPTION OF WELLS (In One registered well with approximately two miles obtained from reservoirs	in three mile northeast of in the Casca	s of the site is the site. Drink: de Mountains over	used for co ing water is r 30 miles f	mmercial/inc supplied by rom the site	the City	use and is locate y of Seattle, and	d is
10 RECHARGE AREA	PC 11		11 DISCHARG	E AREA		8 <sup>001</sup> 8	
YES   COMMENTS			X YES	COMMENTS			
XNO			··NO	Adjace	ont to the	e Duwamish Waterwa	By
	· · · · · · · · · · · · · · · · · · ·		2		2		
IV. SURFACE WATER 01 SURFACE WATER USE (Check	one)	····	<u> </u>				
A. RESERVOIR, RECREATION	X B. IRRIG	ATION, ECONOMICA TANT RESOURCES	LLYC.	COMMERCIAL,	INDUSTRI	ALD. NOT CURI	RENTLY USED
02 AFFECTED/POTENTIALLY AFFE	CTED BODIES O	P WATER					
NAME :				» Appeo	TED	DISTANCE TO 0.2	
Duwamish Waterway					-	0.2	(mi)
Hamms Creek				<u></u>		2.7	(mi)
							(mi)
V. DEMOGRAPHIC AND PROPERTY	INFORMATION						•
01 TOTAL POPULATION WITHIN	5					NEAREST POPULATION	
ONE (I) MIDE OF DITE -	(2) MILES OF		) MILES OF S	SITE		(mi)	1
A. approx. 2,000 B.	approx. 10,00		ox. 31,000	-		-Ca	
NO. OF PERSONS	NO. OF PERSON	-	OF PERSONS	E TO NEARES	T OFF-CT	TE BUTLDING	
03 NUMBER OF BUILDINGS WITHIN	TWO (2) MIL	S OF SITE	04 DISTANC		- orr-911	(mi)	
>1,000							
05 POPULATION WITHIN VICINITY	OF SITE (Pro	vide narrative o ., rural, villag	description ge, densely	of nature o populated u	f populat rban area	tion within vicini a) as located on the	ty of site,
The site is located in a h bluffs west of the site.	eavily indust	ridlized area.	neuserA bob	weated subd			

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	P	TENTIAL BARA	RDOUS WASTE SIT	CE CE	I. IDES	TIFICATION	· ·
	-	SITE INSPE	CTION REPORT		01 STATE	02 SITE NUM	BER
epa	PART 5 - WA			MMENTAL DATA		D9807283	
				· · · · · · · · · · · · · · · · · · ·			
II. ENVIRONMENTAL IN	FORMALINA	ck one)	Artificia	1 Fill; Variable	Permeabili	ty	-
DI PERMEABILITY OF UN	SATURALD Dend (	- 10 <sup>-6</sup> св/зес	c. 10 <sup>-4</sup> -	- 10 <sup>-3</sup> cm/sec	D. GREATI	R THAN 10 <sup>-3</sup>	CB/Bec
	DROCK (Check one)			RELATIVELY PERM	EABLE	D. VERY PE	RMEABLE
A. IMPERMEABLE	A			$p^{-2} = 10^{-4} \text{ cm/se}^{-4}$	c) (Gi	eater than 1	0 <sup>-2</sup> cm/
(Less than $10^{-6}$ cm/	3607						
A DEDEN TO REDPOCK	04 DEPTH OF CONTAN	INATED SOIL	LONE 0	5 SOIL PH			
	Unknown	(ft)		Unknown	1		
(20)	AND VEND 24-VOI	TO DATNEALL.	OR SLOPE			· · · · · · · · · · · ·	
06 NET PRECIPITATION	07 ONE ILAR 24-HOU		SITE SLOPE	DIRECTION OF	SITE SLOPE	TERRAIN AVER	
10 (10)	1.76	(in)	*	<u>N/A</u>		8	*
(217)		110 17()	10				
9 FLOOD POTENTIAL		SITE IS	ON BARRIER IS	LAND, COASTAL H	IGH HAZARD J	REA, RIVERIN	e plood
SITE IS IN	YEAR FLOOD PLAN						
A DESTAURANT MO NEWLAN	DS (5 acre minimum)		12 DISTANCE	TO CRITICAL HAB	ITAT (of end	langered spec	ies)
	OT	HER			<u> </u>	3 (	mi)
	(mi) B. N	/A (mi)	ENDANGERE	D SPECIES: N/A			
A. <u>N/A</u>							
3 LAND USE IN VICINI	TY						55 - 143
DISTANCE TO:	RESIDENTIAL	AREAS; NATIO	NAL/STATE PARK	S, PRIM	AGRICULTUI	LAL LANDS	ND
COMMERCIAL/INDUST	RIAL	S, OR WIDDEN					
	di) B.	0.25	(mi)	c. <u>&gt;3</u>	(mi)	D. <u>&gt;3</u>	(1
					e.		
A DECENTRETON OF ST	E IN RELATION TO SUR	ROUNDING TOPO	graphy				
4 DESCRIPTION OF SIL	d between the Duwamis	sh Waterway a	nd the Bluffs	of West Seattle	, which rise ace drainage	approximate	ly
220 feet within 1/	2 mile of the site. to the Duwamish Wate	erway.	denerally re-	,	-		6
Site is discharge	••						C
						6	
	RMATION (Cite specifi	c references	, e.g., state	files, saple an	alysis, repo	rts)	
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA         II. ENVIRONMENTAL INFORMATION         Artificial Fill; Variable Permeability         01 PERMEABILITY OF UNSATURATED ZONE (Check one)       Artificial Fill; Variable Permeability $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ 01       PERMEABILITY OF UNSATURATED ZONE $\_$ <							
VII. SOURCES OF LINC	. 11/03/87.	watem. Annua	I Growth Repor	t, 1987.			
ELE Site Inspectio	lopment Information S		nman≱ 1077				
ELE Site Inspectio King Co. Land Deve Flood Hazard Map,	lopment Information S Dept. of Housing and Traphic Map: Seattle	Urban Develo South and D	oment, 1977. Wamish Head, 1973	WA., 1949.			
ELE Site Inspectio King Co. Land Deve Flood Hazard Map, USGS 7.5 Min. Topo Precipitation Freq	lopment Information S Dept. of Housing and graphic Map: Seattle Jency Atlas of Washin the U.S., Dept. of Co	Urban Develo South and D gton, NOAA, mmerce, 1979	oment, 1977. Wamish Head, 1973.	WA., 1949.			

	P	OTENTIAL HARARDOUS WASTE SITE SITE INSPECTION REPORT	I. IDENTIFICATION 01 STATE 02 SITE NUMBER WA D980726327
вра	PART	6 - SAMPLE AND FIELD INFORMATION	WA D960726327
II. SAMPLES TAKEN			
11. Shin 20		02 SAMPLES SENT TO	03 ESTIMATED DATE
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN		RESULTS AVAILABL
	None		
GROUND WATER	None		
SURFACE WATER	None		
SURFACE MALLA			
WASTE	None		
AIR	None		
RUNOFF	None		
	None		
SPILL			
SOIL	None	1	
VEGATATION	None		
	None		2 <sup>4</sup>
other	None	L	
III. TIELD MEASURE	MENTS TAKEN	· · · · · · · · · · · · · · · · · · ·	
01 TYPE	02 COMMENTS		
n/a			
	1.65		
1			
×.			
		· · · · · · · · · · · · · · · · · · ·	
V. PHOTOGRAPHS AN	D MAPS		- fund
1 TYPE X GROUN	D X AERIAL	02 IN CUSTODY OF USEPA Region X Supe (Name of organizat	ion or individual)
		(Name of organizat	
O3 MAPS 0 X YES 0	4 LOCATION OF MAPS		
NO	USEPA Site File		······································
	A COLLECTED (Provide na	arrative description)	
. UTBER FIELD DAI		ter have been removed from the site an	d there is low potential
Samples not col for human healt	lected because all was h risks or environment:	tes have been removed from the site an al damage from the site.	60° (10° ) -
		()	
	ORMATION (Cite specific	: references, e.g., state files, sampl	e analysis, reports)
ELE Site Inspec	tion, 11/03/87.		

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			PO	TENTIAL HAZARDOUS	WASTE SITE		I. IDENTI	ICAT	ION .
i F	•			SITE INSPECTION		15	01 STATE 02	SIT D98	E NUMBER
	вра		1	PART 7 - OWNER IN					
$\vdash$	II. CURRENT OWNER(S)					WY (If applicat	ole)		
	1 NAME		02 1	D+B NUMBER	08 NAME			09 D	+B NUMBER
ľ	Port of Seattle				(same)				C.
L	3 STREET ADDRESS (P.O. BOX,	RFD \$. E	( TC.)	04 SIC CODE	10 STREET ADD	RESS (P.O. BOX	, RFD #, ETC	:.)	11 SIC CODE
0					8				
	P.O. Box 1209	06 STATE	107 -		12 CITY	<u></u>	13 STATE	14 Z	IP CODE
Ō	5 CITY	06 STATE WA	ł.	8111					
1	Seattle							09 0	+B NUMBER
5	1 NAME		02 I	HB NUMBER	08 NAME			<b>V</b> 3 D	TB MURBER
	-							 	
ľ	3 STREET ADDRESS (P.O. BOX,	RFD #, E	rc.)	04 SIC CODE	10 STREET ADD	RESS (P.O. BOX)	, RFD #, ETC	:.)	11 SIC CODE
<sup>ا</sup> ر	J GIRGUI INVINUE IN I				1				
L		06 STATE	07 Z	IP CODE	12 CITY		13 STATE	14 Z	IP CODE
10	5 CITY						2		
,		I		- D WIMBED	08 NAME			09 D	+B NUMBER
1	1 NAME	-	02 D	+B NUMBER	AA 1149.10				
1		-		·····					11 SIC CODE
,L	3 STREET ADDRESS (P.O. BOX,	RFD #, ET	rc.)	04 SIC CODE	10 STREET ADD	RESS (P.O. BOX)	, RED #, BTG	• /	
	-					<u></u>			L
Ļ	E CTWV	06 STATE	07-Z	IP CODE	12 CITY		13 STATE	14 Z	IP CODE
ຼ່ໃ	5 CITY	8							
$\ $	III. PREVIOUS OWNER(S) (List	most rec	ent	first)	IV. REALTY OW	MER(S) (If app)	licable; lis	t mo	st recent first)
			02 1	D+B NUMBER	01 NAME			02	D+B NUMBER
ျိ	1 NAME Boeing Company		[						
IL		RFD 1. at	L	04 SIC CODE	03 STREET ADD	RESS (P.O. Box	, RFD #, etc	:.)	04 SIC COT
0	3 STREET ADDRESS (P.O. Box,								
	P.O. Box 3707	06 STATE	107.5	TR CODE	05 CITY		06 STATE	07	ZIP CODE
0	5 CITY	WA		8124-2207				1	
	Seattle				A	<u> </u>		02	D+B NUMBER
10	1 NAME		02 1	)+B NUMBER	01 NAME			1	
								<u> </u>	
6	3 STREET ADDRESS (P.O. Box, )	RFD #, etc	)	04 SIC CODE	03 STREET ADD	RESS (P.O. Box	, RFD #, etc	• }	04 SIC CODE
ľ									l
		06 STATE	07 Z	IP CODE	05 CITY		06 STATE	07	ZIP CODE
0	5 CITY								
L		l	02 D	+B NUMBER	01 NAME	<u></u>		02	D+B NUMBER
0	1 NAME								
			<u>,</u> , ,	A4 676 6005	03 STREET ADD	RESS (P.O. Box	, RFD #, etc	:.)	04 SIC CODE
0	3 STREET ADDRESS (P.O. Box, F	urD #, etc	• 1	04 SIC CODE	vu usaas aud			-	
							06 00100	107	ZIP CODE
F	5 CITY	06 STATE	07 Z	IP CODE	05 CITY		UU SIATI	' <b> </b> `'`	
		-						<u> </u>	
$\vdash$	V. SOURCES OF INFORMATION (Ci	te specif	ic r	eferences, e.g.,	state files,	sample analys:	is, reports)		·····
$\vdash$									
	ELE Site Inspection, 11/03 USEPA Site File, Letter fr	om Boeing	, 03,	/11/87.					
									1
1									

s.

БРА		POTENTIAL HAZARDOU SITE INSPECTIO PART 8 - OPERATOR	n REPORT	I. IDENTIF 01 STATE 02 WA	ICATION SITE NUMBER D980726327
II. CURRENT OPERATOR (	Provide if dif:		OPERATOR'S PARENT COM	PANY (If applicab.	10)
NAME MRI Corporation (1e		02 D+B NUMBER	10 NAME Proler Internations	al	11 D+B NUMBER
03 STREET ADDRESS (P.O 6000 West Marginal	. BOX, RFD #, I	ETC.) 04 SIC CODE	12 STREET ADDRESS (P.( Unknown	O. BOX, RFD #, ET	C.) 13 SIC COL
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 C Port of S	Seattle			
III. PREVIOUS OPERATOR	(S) (List most	recent first; pro- lifferent from owner	PREVIOUS OPERATORS' PA	ARENT COMPANIES (	II applicable;
01 NAME Boeing Company		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O (Same)	. BOX; RFD #, e	otc.) 04 SIC CODE .	12 STREET ADDRESS (P.)	0. Box, RFD #, et	c.) 13 SIC COL
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNE	R DURING THIS PERIOD			
01 NAME		02 D+B NUMBER	10 NAME	14	11 D+B NUMBER
03 STREET ADDRESS (P.O	. Box, RFD #, •	tc.) 04 SIC CODE	12 STREET ADDRESS (P.	O. Box, RFD #, et	C.) 13 SIC COL
VS CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	9 NAME OF OWNE	R DURING THIS PERIOD			
01 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O.	Box, RFD #, et	tc.) 04 SIC CODE	12 STREET ADDRESS (P.	O. Box, RFD #, et	:c.) 13 SIC CO
05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION					
IV. SOURCES OF INFORMAT	ION (Cite speci	fic references, e.g	., state files, sample	analysis, reports	;)
ELE Site Inspection, USEPA Site File.					

`				I. IDENTIFI	CATION
· · · · · · · · · · · · · · · · · · ·		POTENTIAL HAZARDON SITE IESPECTIO		01 STATE 02	and the second se
вра		SITE INSPECTA T 9 - GENERATOR/TRA	SPORTER INFORMATION		
	PAB				
I. ON-SITE GENERATOR		02 D+B NUMBER			
NAME					
N/A			=		
STREET ADDRESS (P.O. 1	BOX, RFD \$, E	TC.) 04 SIC CODE			
5 CITY	06 STAT	E 07 ZIP CODE			
,					
	(5)				02 D+B NUMBER
III. OFF-SITE GENERATOR	107	02 D+B NUMBER	01 NAME		UZ D+B NUMBER
NAME					
N/A		to ) 04 SIC CODE	03 STREET ADDRESS (P.O.	Box, RFD #, etc	.) 04 SIC COD
STREET ADDRESS (P.O. 1	30X, RFD 4, 9				
				06 STATE	07 ZIP CODE
CITY	06 STAT	E 07 ZIP CODE	05 CITY		
		02 D+B NUMBER	01 NAME		02 D+B NUMBER
NAME				_	а.
		The A LOA STC CODE	03 STREET ADDRESS (P.O.	Box, RFD #, etc	.) 04 SIC COL
STREET ADDRESS (P.O. H	Box, RFD #, e				
	43			06 STATE	07 ZIP CODE
5 CITY	06 STAT	E 07 ZIP CODE	05 CITY	-	
V. TRANSPORTER(S)					02 D+B NUMBER
NAME		02 D+B NUMBER	01 NAME		(
N/A			-		
STREET ADDRESS (P.O. H	AOX, RFD #, e	tc.) 04 SIC CODE	03 STREET ADDRESS (P.O	. Box, RFD #, etc	.) 04 SIC COL
STREET ADDRESS (P.O. 1					
		E 07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
5 CITY	US SIAI				
					02 D+B NUMBER
NAME		02 D+B NUMBER	01 NAME		
					.) 04 SIC CO
STREET ADDRESS (P.O. I	Box, RFD #, et	tc.) 04 SIC CODE	03 STREET ADDRESS (P.O	. BOX, RED 4, CC	.,
STREET ADDRESS (1999					
	ING STATI	E 07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
	JUD SIAH		S d		1. p
5 CITY	1			nalvsis, reports)	
			* ****** 11140, 0444****		
	DE (Cite spec:	ific references, e.			
V. SOURCES OF INFORMATIC		ific references, e.o			
		fic references, e.			
5 CITY V. SOURCES OF INFORMATIC ELE Site Inspection,		ific references, e.g			
V. SOURCES OF INFORMATIC		fic references, e.;			

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	POTENTIAL HARARDOUS WASTE SITE		I. IDER	TITICATION
, ,	SITE INSPECTION REPORT		01 STATE	02 SITE NUMBER D980726327
вра			WA	D980726327
	PART 10 - PAST RESPONSE ACTIVITIES			
LL. PAST RESPONSE ACTIVITIES		03 AGI	ENCY	
A. WATER SUPPLY CLOSED	02 DATE	VJ A0		<u> </u>
4 DESCRIPTION				
None	OVIDED 02 DATE	03 20	INCY	
1B. TEMPORARY WATER SUPPLY PR	OVIDED U2 DATE	vv no.		<u></u>
4 DESCRIPTION				
None	OVIDED 02 DATE	03 AG	ENCY	<u> </u>
1C. PERMANENT WATER SUPPLY PR	OVIDED U2 DATE			
4 DESCRIPTION				
None	02 DATE	03 AG	ENCY	
1D. SPILLED MATERIAL REMOVED	U2 DATE			
4 DESCRIPTION				
None		03 26	ENCY	
1E. CONTAMINATED SOIL REMOVED	02 DATE			
4 DESCRIPTION				
None		03 AG	ENCY	
1 F. WASTE REPACKAGED	02 DATE			<u></u>
4 DESCRIPTION				
None		03 AG	ENCY	······································
1G. WASTE DISPOSED ELSEWHERE	02 DATE			
4 DESCRIPTION				×
None	02 DATE	03 AG	ENCY	
1H. ON SITE BURIAL	02 DATE			
4 DESCRIPTION				
None	02 DATE	03 AG	ENCY	ą.
1I. IN SITU CHEMICAL TREATMENT	02 DATE		<u>20</u>	
DESCRIPTION				
None	NT 02 DATE	03 AG	ENCY	
1J. IN SITU BIOLOGICAL TREATME				
4 DESCRIPTION None				
	02 DATE	03 AG	ENCY	
1K. IN SITU PHYSICAL TREATMENT				_
4 DESCRIPTION None				
	02 DATE	03 AG	ENCY	
1L. ENCAPSULATION				
4 DESCRIPTION None				
	02 DATE	03 AG	ENCY	
1M. EMERGENCY WASTE TREATMENT				
4 DESCRIPTION None		2		
	02 DATE	03 AG	ENCY	
1N. CUTOFF WALLS				
4 DESCRIPTION None	١			
	ATER DIVERSION 02 DATE	03 AG	ENCY	
1O. EMERGENCY DIKING/SURFACE WA				
4 DESCRIPTION None				
	02 DATE	03 AG	ENCY	
P. CUTOFF TRENCHES/SUMP				
4 DESCRIPTION None				
	02 DATE	03 AG	ENCY	
1Q. SUBSURFACE CUTOFF WALL				
DESCRIPTION				

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₩. <sup>1</sup> ≥ .	POTENTIAL BARARDOUS WASTE SITE	I. IDENTIFICATION
	SITE INSPECTION REPORT	01 STATE 02 SITE NUMBER WA D980726327
бра	PART 10 - PAST RESPONSE ACTIVITIES	WA D900728327
I. PAST RESPONSE ACTIVITIES (Cont:	02 DATE	03 AGENCY
R. BARRIER WALLS CONSTRUCTED		_ (
DESCRIPTION None		
	02 DATE	03 AGENCY
S. CAPPING/COVERING		
DESCRIPTION None		
	02 DATE	03 AGENCY
T. BULK TANKAGE REPAIRED		
DESCRIPTION None		
	02 DATE	03 AGENCY
U. GROUT CURTAIN CONSTRUCTED		
DESCRIPTION None		
	02 DATE	03 AGENCY
V. BOTTOM SEALED		
DESCRIPTION None		
	02 DATE	03 AGENCY
W. GAS CONTROL		
DESCRIPTION None		
TARMAN COMMON	02 DATE	03 AGENCY
X. FIRE CONTROL		
DESCRIPTION		
Y. LEACHATE TREATMENT	02 DATE	03 AGENCY
DESCRIPTION Non•		
Z. AREA EVACUATED	02 DATE	03 AGENCY
DESCRIPTION		$\bigcap$
Non•		03 AGENCY
1. ACCESS TO SITE RESTRICTED	02 DATE	
DESCRIPTION		
None		03 AGENCY
2. POPULATION RELOCATED	02 DATE	
DESCRIPTION		
None		03 AGENCY
3. OTHER REMEDIAL ACTIVITIES	02 DATE	
DESCRIPTION		
None		
		201 1
CONTRACTOR TREOPMATION (Cite spec	ific references, e.g., state files, samp	ole analysis, reports)
. SOURCES OF INFORMATION		
USEPA Site File		

I. IDENTIFICATION POTENTIAL HARARDOUS WASTE SITE 01 STATE 02 SITE NUMBER WA D980726327 SITE INSPECTION REPORT EPA PART 11 - ENFORCEMENT INFORMATION . ENFORCEMENT INFORMATION AST REGULATORY/ENFORCEMENT ACTION X NO YES 02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION None III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports) ELE Site Inspection, 11/03/87. USEPA Site File. EPA FORM 2070-13 (7-81)



# 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,

And A. Buschen

David A. Buecker Field Investigation Team Manager

DAB:rls

Enclosures

11.11 A

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:

- maintained by any person where hazardous wastes are generated, a. stored, treated, disposed of, or transported;
- to collect samples of any hazardous wastes and samples of any b. 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;
- to observe operations, and when deemed appropriate, to talk to e. 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 Criminal action may be taken against EPA employees who willfines. fully 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.

5' 11" Height: 155 lbs. Weight: Color of Eyes: Blue Color of Hair: Brown

05/19/62 Date of Birth:

Signature:

- M. Kichan 1 Min

Expiration Date:

October 31, 1991

Photograph

Approved By: Robie G. Russell Regional Administrator

-2-

RGR/ng

### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

#### Summary Memorandum

county. King

Site ID:

WA

Priority Assessment: Medium

D980726327

Backlog Red. Cat.:

Date/Revised: 11/27/84

Name and Location :

Port of Seattle- Terminal 115 6020 W. Marginal Way **\$6** Seattle, WA **98**108 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 5 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 ( $60' \times 60' \times 6'$ ) 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 landfilled 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						I. IDENTIFICATION			
	PRELIMINARY ASSESSMENT Part 1 - Site Information and Assessment					02 Site Numb	er			
			on and	Assess	nent	WA	D980726	5327		
	II. SITE NAME AND LOCATION           11 Site Name (legal, common, or descriptive name of site)         02 Street, Route No., or Specific Location Identifier									
	)1 Site Name (legal, common, or descriptive name of site)					Cation Identi	iler			
Port of Seattle-Terr				0 W. Mar	ginal Way		107 County	108 Cong		
Seattle		WA	98108	King	Code					
69 Coordinates		Section /	Township/Ra	-	••					
Lattitude Longitude				See below						
10 Directions to Site (starting from	ons to Site (starting from nearest public road)									
N1/2 Sec. 30, S1/2 S	ес 19 т2/	N PAR UM					e 02 Site Number D980726327 entifier 07 County/08 Cong Dist 033 07 07 033 07 E. Municipal / (X)C. None Contractor wn Ware- ccupy hipper; spected site ains			
III. RESPONSIBLE PAR										
01 Owner (if known)					nailing, resident	tial)	<u></u>			
Port of Seattle, Mai	n Off.		P.0.	Box 120	)9					
03 City Seattle			04 State	05 Zip Code	06 Telephone N					
		98.	WA	98111	( 206)382					
07 Operator (if known and different	from owner)		08 Street	(business, r	nailing, resident	tial)	8	li.		
See below										
09 City			10 State	11 Zip Code	12 Telephone N	umber		os Cong Dist O7		
13 Type of Ownership (check one)	·····									
() A. Private () B. Fed	derai:		(	) C. State	() D. C	ounty ( )	E. Municipal	er 5327 08 Cong Dist 07 C. None		
(X) F. Other: Port Distric			(	) G. Unkn						
Owner/Operator Notification on File ()A. RCRA 3001, Date Rec'd:		)B. Uncontrolle	ed Waste !	Site (CERCLA	103c), Date Re	erd /	/ (v)	C. None		
IV. CHARACTERIZATIO	N OF POTE	NTIAL HAZ	ARD				<u>/ (</u> X)	C. 110/72		
01 On Site Inspection	• •	all that apply):								
(X) Yes, Date: 69 / /84 ( ) No	( )A. EPA ( )E. Loca	l Health Official	(X) F.	or ( JC. S Other: ME.	TRO inspec	D. Other Cor tor	ntractor			
	Contractors	Name(s):								
02 Site Status (check one) (X)A. Active ()B. Inactive	( )C. Unkn	03 Years of be	f Operatio ginning y	n ear ending :	year (	) Unknown				
04 Description of Substances Possibly F		1.22	Unk	. Pres		JONKNOWN				
			the De			- • 1		ł		
Terminal 115 is a 10 houses on site opera	ted by the	Port for sl	hippin	g. Three	tenants a	also occ	upv			
the site: SeaPro/Sea and MRI Corp., a tin hazardous wastes on	rreeze, a s recycler.	MRI is the	cessor only	; Foss A tenant w	laska Line ith known	e, a shij or suspe	pper; ected			
in the 1950's and 19	60's.		was o	n the so	outh half o	of the s	ite			
05 Description of Potential Hazard to En	vironment and/or	Population					/ (X)C. None Contractor wn ware- ccupy hipper; spected site ains h. hown lces o further action needed urrent disposition form) iephone Number 06) 4596352			
MRI Corp. used to ha for soil and groundwa	ve sludge e	vaporation	ponds	on site	; potentia	al remain	ns			
Boeing used to have what may have result	an airplane	manufactur	ing p	lant on	site. It j	s unknov	wn.			
what may have result were followed.	ed from thi	s accivity	or what	it waste	disposal	practice	es			
V. PRIORITY ASSESSMEN	JT									
01 Priority for Inspection (check one; if		checked, comple	te Part 2	and Part 3)						
() A. High (inspection required promptly)	(X) B. Medium (inspection	required) (		(inspect o ble basis)	n time ()D	. None (no fu complete curn	urther action ent disposition	needed		
INFORMATION AVAIL										
ð-⊸ontact	02 Of (agency/or	ganization)								
Ned Therien	WDOE			102	N		14596352			
04 Person Responsible for Assessment Barbara Morson	05 Agency	06 Organization JRB Associ	iates	· ·	vne Number 7477899	08 Date 11	/ 27 / 84			

Modified (5/84) from EPA Form 2070-12 dated 7/81

. :			NTIAL HAZA			1. IDE	NTIFICATION 02 Site Number		
		F	RELIMINAR						
			Part 2 - Was	ste Informat	ion	WA	D98072632		
	WASTE STATES, QUA	NTIT	IES, AND C	HARACTER	ISTICS		·····		
01 Physi	cal States 02	Waste (	Quantity at Site	03 Waste Chara	acteristics (check all t	hat apply)	······································		
			asures of waste quantities ist be independent) (what Taxic (where studies for the second states)						
	Solid () E. Slurry		Ink. (X)A. Toxic (X)E. Solut						
		ons: U			•••	ive ()G. Flammable ()K. Reactive			
			of Drums: Unk. ()C. Radioactive ()G. Flammable ()K. React of Drums: Unk. (X)D. Persistent ()H. Ignitable ()L. Incom						
( )0.	. Other: No	o. of Dr	ums: Ulik •				M. Not Applicable		
111	WASTE TYPE								
Category			01 Gross Amount 02 Unit of Measure		03 C				
SLU	Sludge						······································		
OLW	Oily Waste				14		····· ··· ··· ···		
SOL	Solvents								
PSD	Pesticides								
000	Other Organic Chem	icals							
10C	Inorganic Chemicals								
ACD	Acids								
BAS	Bases				······································				
MES	Heavy Metals		Unknown	<u>N/A</u>	<u>Metal sludge</u>	es and	washwater		
	AZARDOUS SUBSTAN	ACE2							
01 Cat.	02 Substance Name		03 CAS Number		/Disposal Method		tration 06 Measure of Concentrati		
ES	Cadmium		7440439		discharge	3	mg/1		
ES	Chromium	+	7440473		l discharge l discharge	6	<u>mg/1</u>		
ES	Copper		7440020		l discharge	6	<u>mg/1</u> mg/1		
ES ES	Nickel Lead		7439921		discharge	3	mg/1		
ES	Zinc		7440666		l discharge	5	mg/1 (		
	Dine					1	<b></b>		
			1	· · · · · · · · · · · · · · · · · · ·					
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	· · ·			<u></u>		<u>_</u>			
				<u> </u>					
<u> </u>									
	EDSTOCKS (see Apper	ndix	for CAS num	nbers		L			
Category	01 Feedstock Name		102 CAS Number	Category	01 Feedstoc	k Name	02 CAS Numbe		
FDS	Sodium hydroxid	e	1310732	FDS					
FDS	Sodium nitrate	-	7631994	FDS					
FDS	Sodium sulfhydr	ate	Unknown	FDS	-				
FDS	Sulfuric acid		7664939	FDS					
$\frac{1}{1}$	URCES OF INFORMAT	TON			s a a stat	filos	otc )		

METRO permit files for MRI Corporation; Sax, 1984

e	
. W.	POTENTIAL HAZARDOUS WASTE SITE
*	PRELIMINARY ASSESSMENT
	Part 3 - Description of Hazardous Conditions & Incidents
C	II. HAZARDOUS CONDITIONS AND INCIDENTS
1	01 (X) A. Groundwater Contamination 02 () Observed (Date: ) (A) Potential () Alleged
	03 Population Potentially Affected: Pacility is located on artificial fill adjacent to the Duwamish Water- Facility is located on artificial fill adjacent to the Duwamish Water-
	on the the Z 15 ft. Several tenants on site, MAI colp, used to have
	l service and a for spent plating wastes. GW contamination likely.
	Boeing conducted unknown activities here; unknown potential from them.
	01 (A)B. Surface Water Containination 02 ( ) Observed (containing the containing
	03 Population Potentially Affected: 04 Narrative Description MRI Corp., a tenant on site, used to have lagoons which drained into the
	lead levels. Unknown whether Boeing discharged anything to sw at this
	site. () Potential () Alleged
i	03 Population Potentially Affected: 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: 04 Narrative Description No known certified fire/explosion threat.
	No known certified fire/explosion threat.
	(V) Potential () Alleged
(	01 ( A ) E. Direct Contact
T	03 Population Potentially Arrected 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): MRI Corp. had lagoons for spent plating wastes and "black muds". High
	, , c
	the me waste disposal practices. Soil in area is artificial fill of un-
	known composition, presumed to be permeable sands and gravels.
ł	01 (X) G. Drinking Water Contamination 02 () Observed (Date: ) () Potential () Alleged
	03 Population Potentially Affected: 04 Narrative Description No use of groundwater or surface water within three miles for drinking.
	No use of groundwater of Ballace water attact attact and a second s
	(X) www.two.Execute/Injury 02 ( ) Observed (Date: ) ( X) Potential ( ) Alleged
Γ	01 (X) H. Worker Exposure/Injury 02 () Observed (Date: ) (A) Potential () Alleged
	01 (X) H. Worker Exposure/Injury 02 () Observed (bit) 03 Workers Potentially Affected: None reported. Unknown how many people work at Terminal 115. MRI Corp.
	is the only known current generator of nazardous wastes on sites onnoun
	what safety practices are followed.
ŀ	(X)   Deputation Excentification Excentification () Alleged
1	01 (X) I. Population Exposure/Injury 02 () Observed (Date: ) (A) Potential () Anteged Unknown 03 Population Potentially Affected: 04 Narrative Description Because there is no use of GW or SW for drinking within three miles, the
-	Because there is no use of GW or SW for drinking within three miles, the
	Because there is no use of ow of bw lor drinking mention of contaminated only threat for population exposure is through ingestion of contaminated food organisms. The likelihood of this occuring is unknown.
	food organisms. The likelihood of this occurring is and owned

	ΡΟΤΕΝΊΙΑ	L HAZARDOU	S WASTE SI	TE		NTIFICATION
-	PREL	IMINARY ASS	ESSMENT			VI Site Humber
Part 3	- Description	of Hazardous	S Conditions	& Incider	nts WA	D980726327
II. HAZARDOUS	CONDITIONS		ITS (continu	ied)		(
01 (X) J. Damage to F	lora	02 ( ) Obser	ved (Date:	)	( ) Potenti	ial () Alleged
04 Narrative Description None reported		ed.				,
01 (X) K. Damage to F	auna	02 ( ) Obser	ved (Date:	)	(X) Potentia	al () Alleged
04 Narrative Description ( None reported.	include name(s) of sp The Duwami	<sub>ecies)</sub> sh waterway	/ is a sal	mon migr	ration ro	ute.
01 (X) L. Contaminatio	n of Food Chain	02 ( ) Observ	ved (Date:	)	(X) Potentia	al () Alleged
04 Narrative Description	Recreation	al and comm	ercial fi	shing oc	curs dow	nstream of
the site in El	liott Bay.	Lead is kno	wn to bio	accumula	ate.	
01 (X)M. Unstable Con	tainment of Wastes		ed (Date: 1960)	'5)	( ) Potentia	ai () Alleged
(spills/runoff/st	anding liquids leaking	drums) 04 Narrative	Description			
		vaporation	ponds for	plating	) wastes (	on site. It
is very doubtf	ul that thes	se ponds we	re inneo.	iney sc	ometimes (	overtiowed
to the Duwamis		02 ( ) Observ	ed (Date:	<u>1.</u> )	( ) Potentia	at () Alleged
-						
None reported	or suspected	j.				
						(
01 (X) 0. Contamination	of Sewers,	02 ( X ) Öbserv	ed (Date: 1970)	5)	( ) Potentia	al () Alleged
Storm Drains, Of Narrative Description MRI Corp has he	wm1rs .	• • • • • • • • • • •			to to the second	arandaue
MRI Corp has ha wastes. In earl	d occasiona	i viciatio	ns ui sewe	soblem	but this	s has heen
wastes. In earl	y 1970's le	twol	je was a p	Ji Obreing	540 0/11.	
brought and kep	t under con	02 ( ) Observe	d (Data)	)	( ) Potentia	al ( ) Alleged
01 (X) P. Illegal/Unauth	prized Dumping	• •		-	• •	
04 Narrative Description None known. Dra	cout sludne	s from MRI	are now t	nauled b	y reciste	ered car-
ier to landfill	inknown W	hat waste (	jisposal r	practice	s were fo	ollowed at
the Boeing plan	t.					
the boeing plan						•
05 Description of Any Other Boeing plant #	1 used to b	e on the so	outh half	of this	s site. Bo	peing owned
حصوص استعديت فتراري	Jd it to th	e Port in 1	NG 1960'S	5. INC P	ort odes	NOU KNOW
what activities	went on at	the site v	vnile Boei	ng owne	d the pro	operty or
what waste disp	osal practic	ces were fo	>llowed.			
				·····		
III. TOTAL POPUL	ATION POTEN	TIALLY AFF	ECTED: U	Inknown	· · · · - · · _ · · · · · · · · ·	• • • • • • • • • • • • • • •
IV. COMMENTS						
						for over-
MRI Corp. shoul	d be contact	ted to dete	rmine cio	sure pr	oceoures o what as	tur evap
oration ponds.	Boeing shoul	ld be conta	Cteo to u	1950) e	- WHAL AL	le Raced
occurred on the	south half	of the sit	e in the	1900°3	essed and	s. Dased
occurred on the on this informa	tion, the h€	eu (or sam	PIING CAN	. JE 637	EN GIN	
out if necessar	FODUATION (	aita anasifi-	references	state fil	es renorte	s etc.)
V. SOURCES OF IN WDDE files, and	FURMATION (	R MoCorr	ack, nere	COMM-	10/26/84	+: EPA/ (
	ron filme av	ап ныле	nrand. de	rs. com	m IV/⊂C	5/04: 1900
	Walle Port	of Seattl	e. oers.	comm. 1	<b>リノビン/84</b> :	MDDC MEII
Fed. Census; R. logs; PSCOG, 198	A: 1965 505	ttle S Qua	d (1973):	DSHS c	omputer f	File
logs; PSCUB, 190	77, 0000 02a					

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