Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101

Martin Mixon

Martin Mixon

Martin Mixon

Martha N. Mixon

Senior Geologist

April 14, 2008

Mark T. Arienti

Senior Environmental Engineer

:

:



April 14, 2008

Rick Knowland, Senior Planner Planning & Development Department City of Portland 389 Congress Street Portland, Maine 04101

Re:

Scrap Metal Recycling Facilities Permit Application

E. Perry Iron & Metal Co.

Portland, Maine

Dear Mr. Knowland:

Acadia Environmental Technology (Acadia) has prepared the enclosed application and supporting documentation for a license to operate a scrap metal recycling facility for the E. Perry Iron & Metal Co. Enclosed are 20 copies of the application and attachments, as requested on the application form.

Please do not hesitate to contact us if you need clarification on any of the application materials. We look forward to discussing the application with you.

Sincerely,

Martha N. Mixon

Marka M. Mixon

Senior Geologist

Mark T. Arienti

Senior Environmental Engineer

Encl.



TABLE OF CONTENTS

Application Form Checklist Attachments

Attachment A

Parcels and Ownership

Attachment B

Figure 1, Site Plan (full size map in back pocket)

Figure 2, Tax Map 26

Figure 3, Tax Map 33

Figure 4, Flood Insurance Rate Map

Figure 5, Portland West 7.5 Minute Topographic Quadrangle Map

Attachment C

Baseline soil testing data Baseline groundwater testing data

Attachment D

Site Screening Photographs

Attachment E

Types of Metal Processed

Attachment F

Waste Audit Report

Attachment G

Operations Manual

Attachment H

Annual Report



Application Form

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: :
:

Planning
PPD
Zone
Taxes
Fire

City Clerk's Office 389 Congress Street Portland, Maine 04101 (207)-874-8557

License fee: \$500.00 plus costs Fee After October 1: \$1500.00 Application fee: \$30.00 new \$20.00 renewal Total Due: License Expires 12/31___

SCRAP METAL RECYCLING FACILITIES PERMIT APPLICATION

SCRAP METAL RECYCLING FACILITIES PERMIT APPLICATION CHAPTER 31, PORTLAND CITY CODE §31-1 et. seq.	
Please check one: (Corporation/ LLC/ Non-profit org. X_) (Sole Proprietor) (Partnership)	:
Property Owner's Name: E. Perry Iron & Metal Co., Inc.; Alan Lerman Phone: 775-3181 Zip 04101	See Attachment A for parcels and ownership.
Property Owner's Address:115 Lancaster Street, Porlland, Maine Zip_04101 *If the property is owned by more than one entity please supplement above information on an additional sheet of paper.	
F. Daniel Long & Motal Co., Inc. Phone: 775-3181	
Business Name: E. Perry Iron & Metal Co., Inc. Phone: 775-3181 Location Address: 115 Lancaster Street, Portland, Maine Zip 04101	
Mailing Address: same Zip	
Contact Person: Alan Lerman Phone: 775-3181 Manager of Business Alan Lerman Home Phone # 775-3040	
Wallager Of Duriness	
Does the issuance of this license benefit any City employee? Yes X No If yes, please list name(s) of employee(s) and City Department(s):	t morticled for any
Have applicant, partners, associates, or corporate officers ever been arrested, indicted, convicted or cour violation of law? No If yes, please explain:	
Have any of the applicants, including the corporation if applicable, ever held a business license with the Yes X No. If yes, please list business name(s) and location(s):	City of Portland?
Is any principal officer under the age of 18? YesXNo	
Please list items or general type of items for sale, if any: scrap metal	
SOLE PROPRIETOR / PARTNERSHIP INFORMATION: (if corporation, leave blank) Residence Zip Co	
Name of Owner(s): Date of Birth Residence Zip Co	ode
Name of Owner(s): Date of Birth Residence Zip Co	10e
Name of Owner(s): Name of Owner(s): Name of Owner(s): Date of Birth Residence Zip Co Pate	re blank)
CORPORATE/LLC/ NON-PROFIT ORGANIZATION ATTENDED TO	
Corporation Name: _ E. Perry Iron & Metal Co., Inc.	
Corporation Mailing Address: 115 Lancaster Street, Portland, Maine ZIP 04103	
Contact Person: Alan Lerman Phone Number: 775-3181	

Application Form

PRINCIPAL O	FFICERS: (if more space is needed	l, please attach a separate pa	ge) o Bosidonos Zin Code 04102
Name Alan Lern	nan <u>Title Presiden</u> t _	Date of Birth 0//03/194	9 Residence Zip Code
Name	Title	Date of Birth	
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Name	Title	Date of Birth	Residence Zip Code
	C. H information and check	all items for which informat	ion has been submitted. 20 COPIES MUST
Please provide ti	16 IOHOWING IHIOHIMATION AND CHOCK	FOR DISTRIBUTION TO	CITY DEPARMENTS. Incomplete packets
will not be acce	See Checklist and Attachmer	ts B through H for documents	ation of the following items.
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			preparing or storage of materials.
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Mescrio	o 00 11) or as manned by a Stat	e of Maine certified geolo	gist or other competent professional.
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\underline{X} A map	of the location of any residences	of the area where metal at	ad/or materials will be stored or processed.
churche	es, or cemeteries within 500 feet	Of the men indication and	
x A man	of the boundaries of the 100-year	r floodplain.	
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X A map	of any sand or gravel aquifer on	or adjacent to the site as n	napped by the Maine Geological Survey or
by a lic	ensed geologist.		
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X A map	of any waterbody, watercourse	or wetland on or within 30	0 feet of the site.
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x A site	olan that complies with chapter 1	4, section 525(b) as files i	for approval by the Portland Planning
**Plea	se note date of site plan submiss	ion at Planning Office, 4"	floor, City Hall: April 14, 200 8
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y Results	and data from on-site and off-s	ite soil sampling and testir	ng, which testing complies with the Rules
	ed hereto.		
v Result	s and data from on-site and off-s	ite groundwater sampling	and testing, which testing complies with the
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1	The types of metal processed on the site.
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2	The types of waste handled and the average volume per
_ <u>x_</u> 2.	year per material.
•	A description of the protocol for handling waste and
X 3.	A description of the protocol that waste is sent.
	ING ROSTINGTON A
	An operations manual as described in chapter 402 of
_ <u>x_</u> 4.	
	the Maine Department of Lava and the Environmental
	Operational records as described in chapter 402 of the Maine Department of Environmental
<u>x</u> 5.	Operational records as described in chapter
	An annual report as described in chapter 402 of the Maine Department of Environmental
:	An annual report as described in chapter 402 of the Millian
<u>x</u> 6.	Protection regulations.
	Profection regument

If this is a renewal application, please provide evidence of annual testing completed according to the Rules attached to Renewal Application this application.

Applicant, by signature below, agrees to abide by all laws, orders, ordinances, rules and regulations governing the above license and further agrees that any misstatement of material fact may result in refusal of license or revocation if one has been granted. Applicant agrees that all taxes and accounts pertaining to the premises, or otherwise owed to the City by the Applicant, will be

It is understood that this and any application(s) shall become public record and the applicant(s) hereby waive(s) any rights to privacy with respect thereto.

I/We, hereby waive anywights to privacy with respect thereto.

Date 4-14-08 Title_ Nes

Name Alan Lerma Name	President	Dota can	te page)
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Checklist

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Information Checklist	Attachment	Figur	e
Item	Attacimient		<u> </u>
x The maximum storage height of any piles of metal or other material			
Pile heights vary daily but do not exceed 30 feet.			
A map of the location of any areas on the site used for processing, preparing or storage of x materials.			
The processing, preparing and storage areas are shown on Figure 1, Site Plan, E Perry Iron & Metal Co., Inc. in Attachment B.	. в		1
A map of the location of any sand and/or gravel aquifer and/or any sand and gravel aquifer recharge area as described on the Maine Geological Survey significant aquifer map for the Portland West Quadrangle (MGS Map No. 99-11) or as mapped by a State of Maine certific geologist or other competent professional.	∍d		
No sand and gravel aquifers have been mapped at the site or in the site vicinity, according to Significant Sand and Gravel Aquifers, Portland West Quadrangle, Maine, Open File No. 99-11, 1999, published by the Maine Geological Survey.			
A map of the location of any residences, schools, public parks, public playgrounds, public bathing beaches, churches, or cemeteries within 500 feet of the area where metal and/or materials will be stored or processed.			
Portions of Tax Maps 24, 25, 26, 33, and 442 are within 500 feet of one or both properties (Lancaster Street and Somerset Street). Residences are present on Maps 26 and 33 within 500 feet of the Lancaster Street Property. The residential areas are shown on Figures 2 and 3 in Attachment B. A playground is also present on Tax Map 26 within 500 feet of the Lancaster Street property, and is indicated for the Lancaster Street property. A lot facing E. Perry Iron & Metal Co. on Lancaster Street is currently vacant, however a sign indicates the planned construction of Pearl Place Apartments.	sent d on	В	2, 3
 A map of the boundaries of the 100-year floodplain. The boundaries of the 100-year flood are shown on the attached Federal Emeron Management Agency Flood Insurance Rate Map (FIRM). The Lancaster and Somerset Street properties are outside of the 100-year flood zones. They are Zone C, areas of minimal flooding. The FIRM is attached as Figure 4. 	gency in	В	4

Checklist

	Item	Attachment	Figure
	A map of any sand or gravel aquifer on or adjacent to the site as mapped by the Maine Geological Survey or by a licensed geologist.		
	No sand and gravel aquifers have been mapped at the site or in the site vicinity, according to Significant Sand and Gravel Aquifers, Portland West Quadrangle, Maine, Open File No. 99-11, 1999, published by the Maine Geological Survey.		
x	A map of any water body, watercourse or wetland on or within 300 feet of the site.		
	No water body, watercourse or wetland is mapped within 300 feet of the site, according to the USGS topographic map of the Portland West 7.5 Minute Quadrangle (attached as Figure 5) and the US Fish and Wildlife Services online digital data.	В	5
X	A site plan that complies with chapter 14, section 525(b) as files for approval by the Portla Planning Department/Board. **Please note date of site plan submission at Planning Office, 4" floor, City Hall: Ap 14, 2008	oril	3 1
	See Figure 1, Site Plan in Attachment B.	8	, i
<u>x</u>	Results and data from on-site and off-site soil sampling and testing, which testing complienthe Rules attached hereto.	s with	
	A report titled E. Perry Iron Phase II Site Assessment Report, Portland, Maine, July 8, 2005, prepared for the Maine Department of Environmental Protection a Brownfields Site Assessment, by agreement with the City of Portland, contains baseline environmental testing for soil required by Chapter 31 of the Portland Code and rules. Summary tables of soil analyses from that report are in Attac C.	s the (C
<u>x</u>	Results and data from on-site and off-site groundwater sampling and testing , which testi complies with the Rules attached hereto.	ng	
	A report titled <i>E. Perry Iron Phase II Site Assessment Report</i> , <i>Portland, Maine July</i> 8, 2005, prepared for the Maine Department of Environmental Protection Brownfields Site Assessment, by agreement with the City of Portland, contain baseline environmental testing for groundwater required by Chapter 31 of the Portland City Code and rules. Summary tables of groundwater analyses from report are in Attachment C. Additional groundwater monitoring is planned. Tresults will be submitted as an addendum to this application.	s the	С

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Information Checkinst	
Item	Attachment Figure
x A depiction of any and all screening of the site. Photographs are supplied in Attachment D.	D
Other information.	
The types of metal processed on the site. This information is in Attachments E and F.	E, F
All of the scrap metal that customers send to E. Perry is consolidated and/or placed in containers to be sent to the secondary metals marked on the type and amount of these metals is presented in the above che (Attachment E). The only waste streams that E. Perry generates are soffice waste, paper and plastic packaging etc. (approx. 10 yards/weel yard sweepings; waste oil (a couple drums/yr. which is picked up by business for use in their waste oil heater); and a small amount of Uniconsisting of used fluorescent lamps. E. Perry does not receive any materials from its customers. The Waste Audit report included in Att provides additional information on waste generation at E. Perry.	ecklist item rubbish such as k), non-metal a nearby iversal Waste of these waste
X A description of the protocol for handling waste and the destination to which the Waste handling protocols and destinations are included in the Opera Attachment G.	nat waste is sent. rations Manual, G
An operations manual as described in chapter 402 of the Maine Department of x Protection regulations. The Operations manual for E. Perry is included as Attachment G.	of Environmental
Operational records as described in chapter 402 of the Maine Department of I x Protection regulations. Operational records for E. Perry are included as Attachment E.	Environmental E
An annual report as described in chapter 402 of the Maine Department of English Protection regulations. The annual report for E. Perry is included as Attachment H.	vironmental H

	Item	Attachment	Figure
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	No water body, watercourse or wetland is mapped within 300 feet of the site, according to the USGS topographic map of the Portland West 7.5 Minute Quadrangle (attached as Figure 5) and the US Fish and Wildlife Services online digital data.	В	5
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Attachment A: Parcels and Ownership Documentation

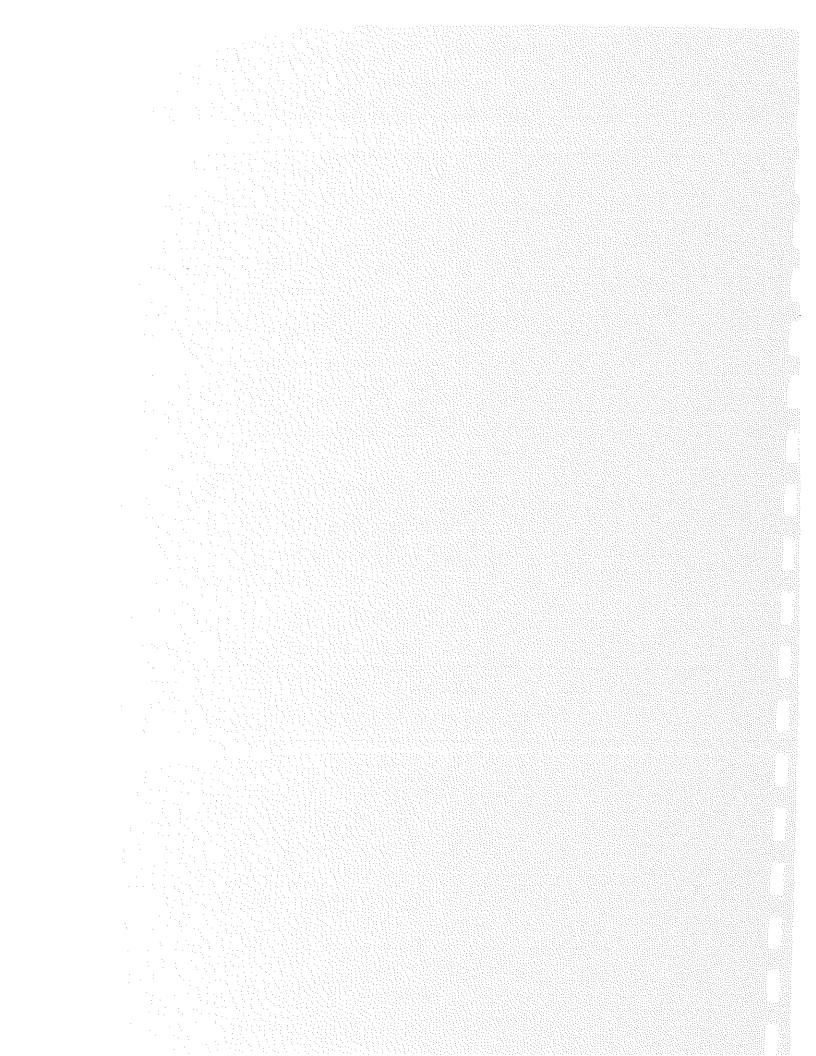
Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101



E. Perry Iron Metal Co. Scrap Metal Recycling Facilities Permit Application

N. a. m.	Lot	Property Address	Owner	Owner's Address	Book/Page
Мар 25	D002001	115 Lancaster Street	Alan Lerman	399 Ludlow St., Portland, 04102	13545/181
25	D005001	42-44 Kennebec Street	E. Perry Iron & Metal Co.	115 Lancaster Street, Portland, 04101	12604/268
25	D006001	131 Lancaster Street	E. Perry Iron & Metal Co.	115 Lancaster Street, Portland, 04101	12604/268
25	D007001	137 Lancaster Street	E. Perry Iron & Metal Co.	115 Lancaster Street, Portland, 04101	12604/268
25	D008001	145 Lancaster Street	E. Perry Iron & Metal Co.	115 Lancaster Street, Portland, 04101	12604/268
24	C024001	9 Somerset Street	E. Perry Iron & Metal Co.	115 Lancaster Street, Portland, 04101	11839/192



Attachment B: Figures

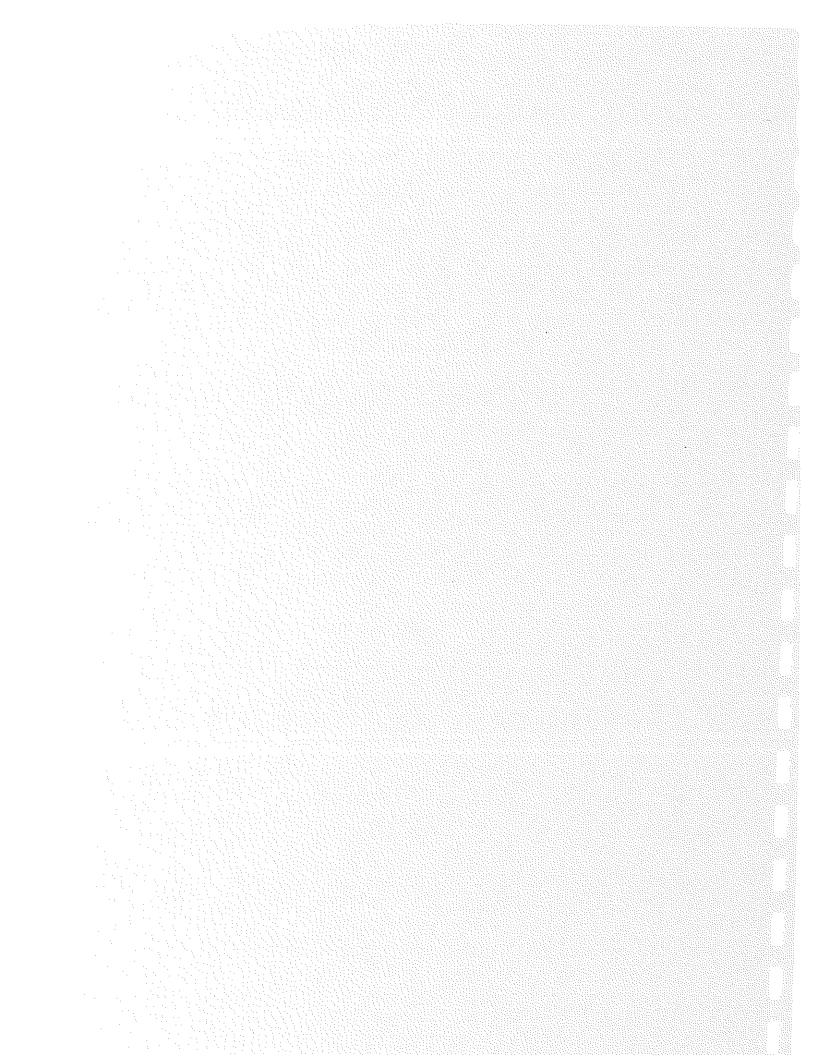
Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

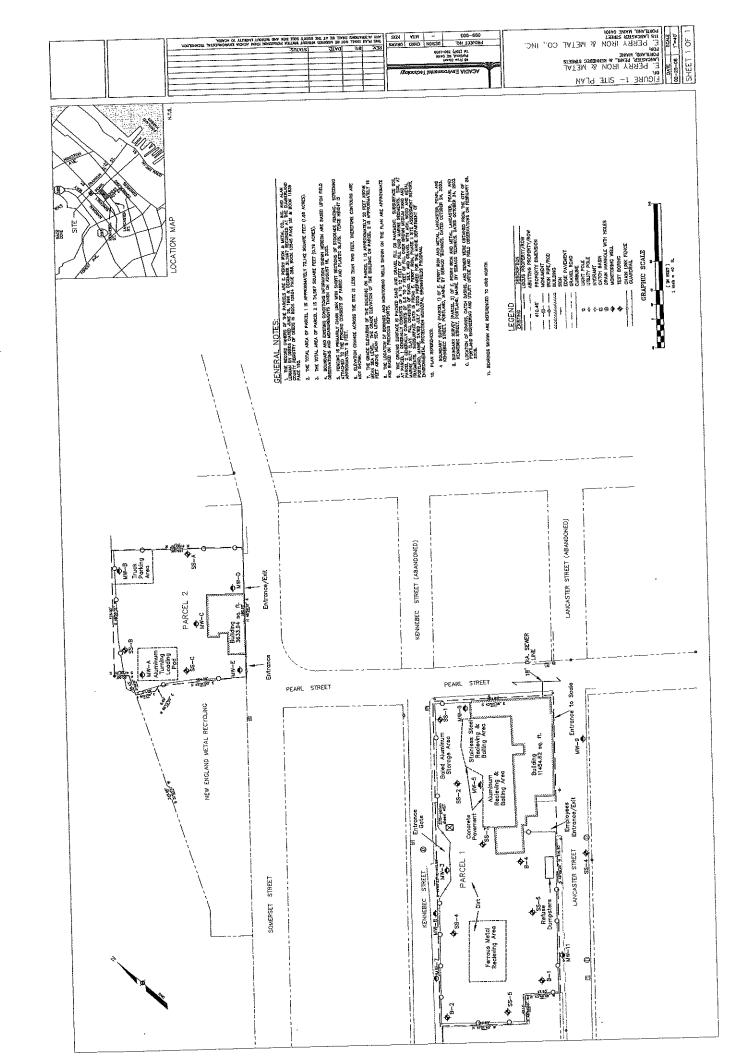
Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

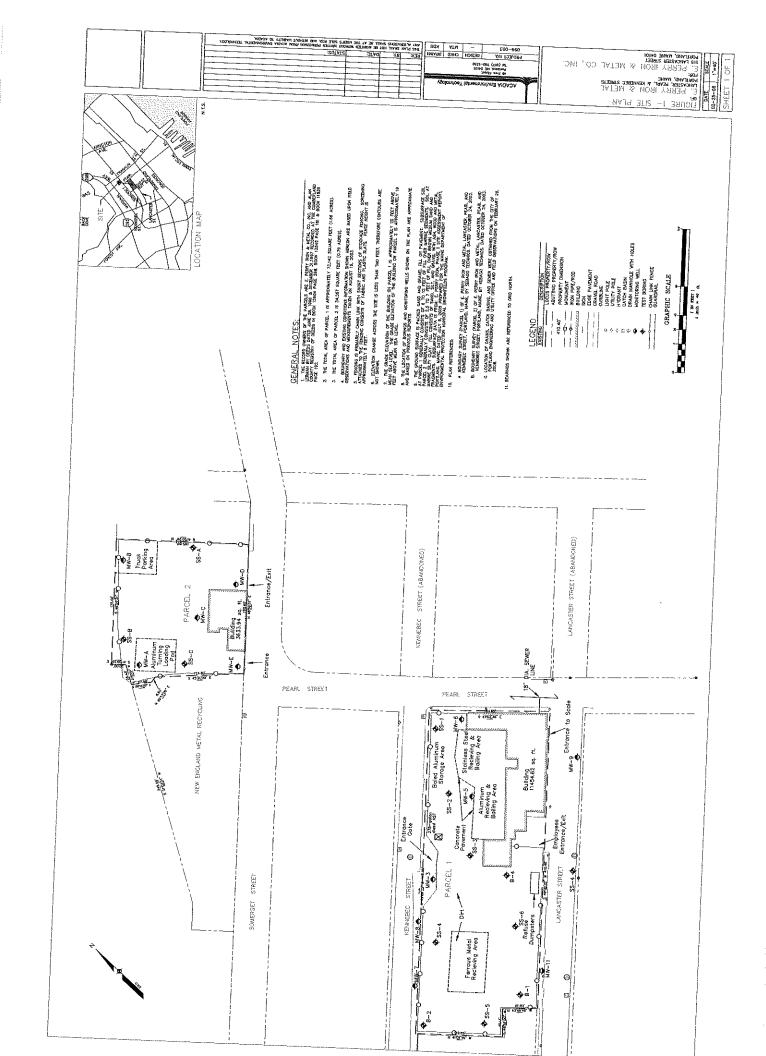
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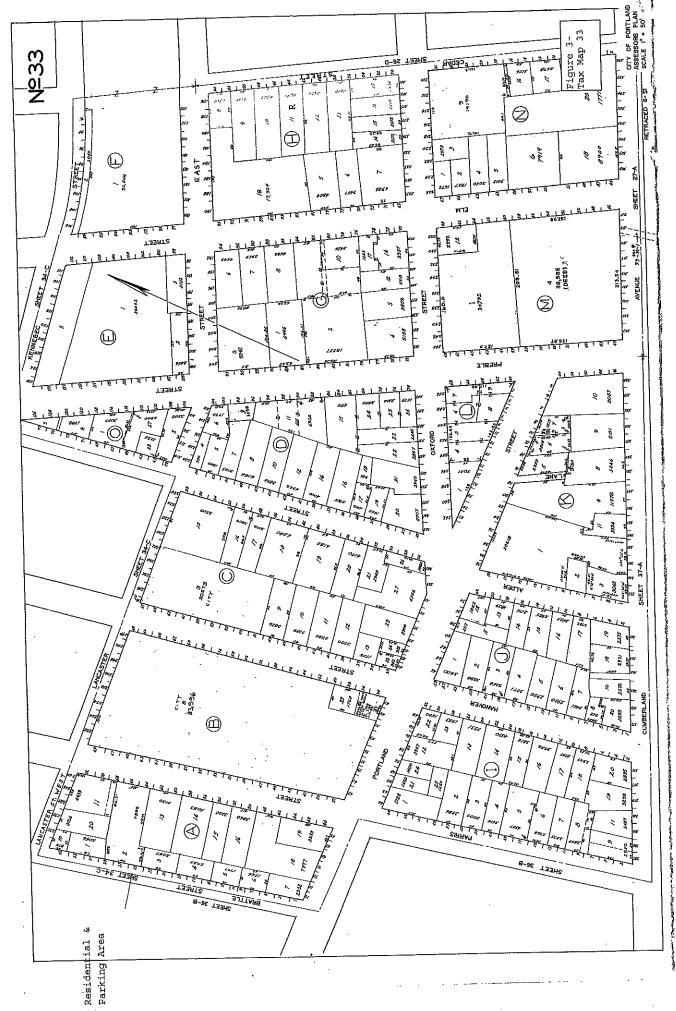
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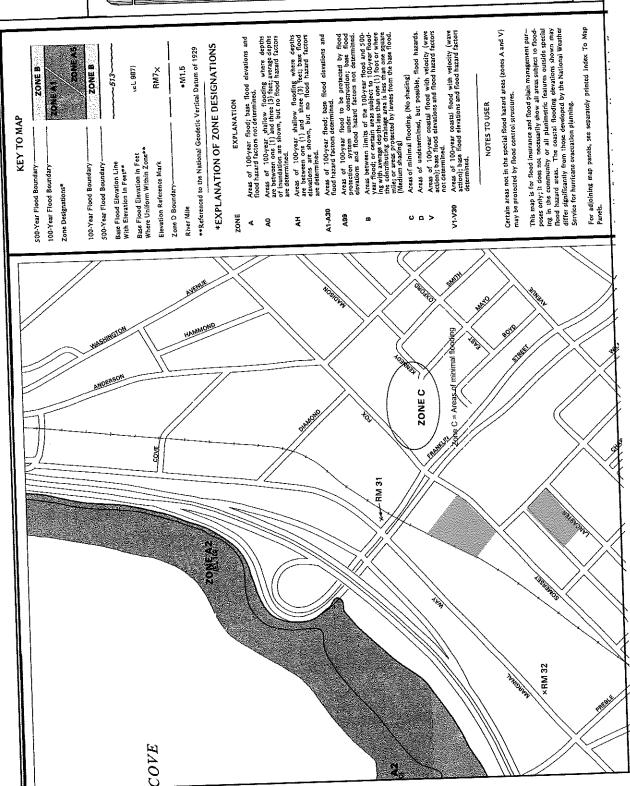
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APPROXIMATE SCALE

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

CITY OF
PORTLAND, MAINE
CUMBERLAND COUNTY

PANEL 13 OF 17
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER 230051 0013 B

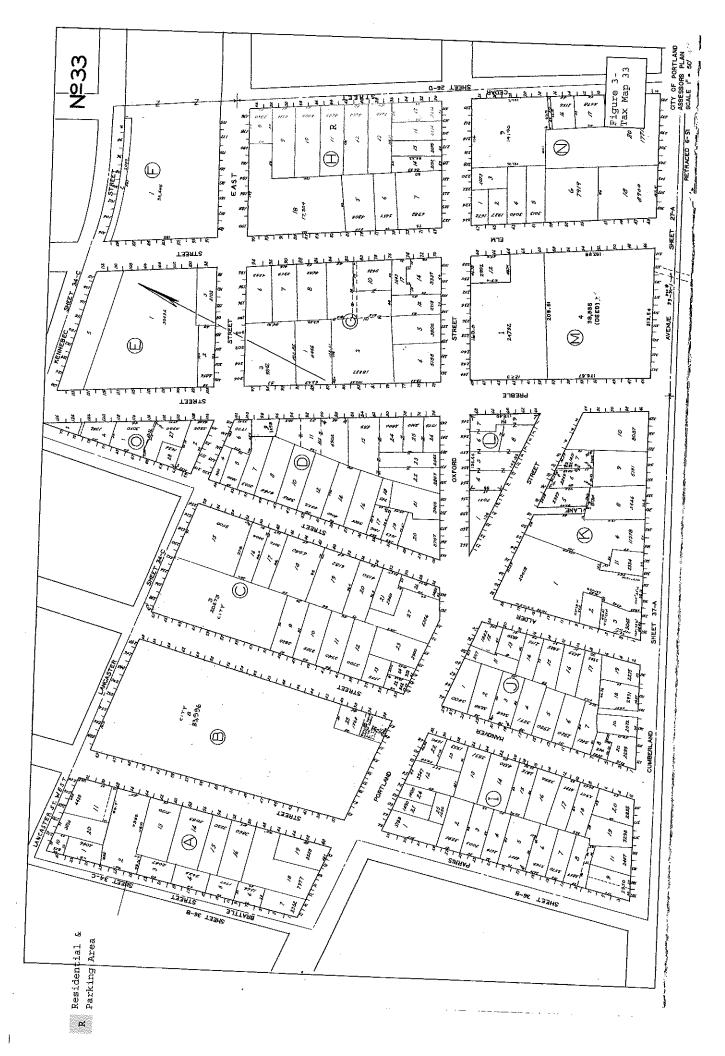
EFFECTIVE DATE: JULY 17, 1986

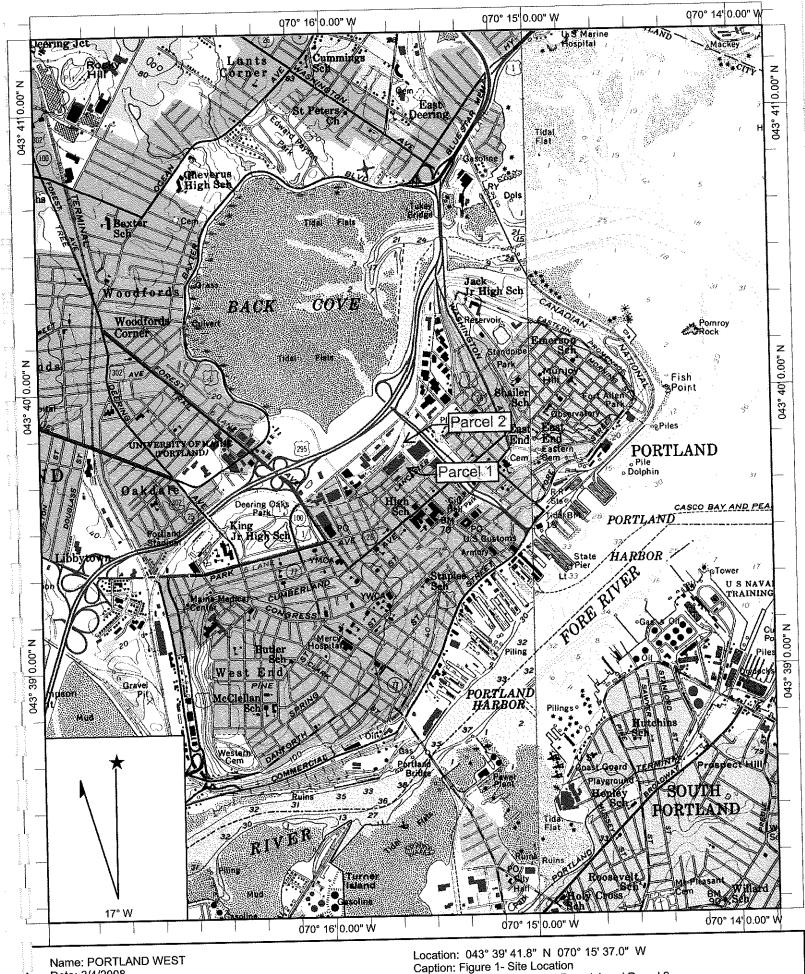
JULY 17, 1986

Federal Emergency Management Agency

The is an official copy of a portion of the above referenced stood map. If the map does not refer to hange was extracted using E-MIT On-Line. The map does not refer to hange was extracted using E-MIT on the other of

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Date: 3/4/2008

Scale: 1 inch equals 2000 feet

E. Perry Iron Metal Parcel 1 and Parcel 2

Portland, Maine

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Transcript Contractor

Attachment C Baseline Soil Testing Data Baseline Groundwater Testing Data

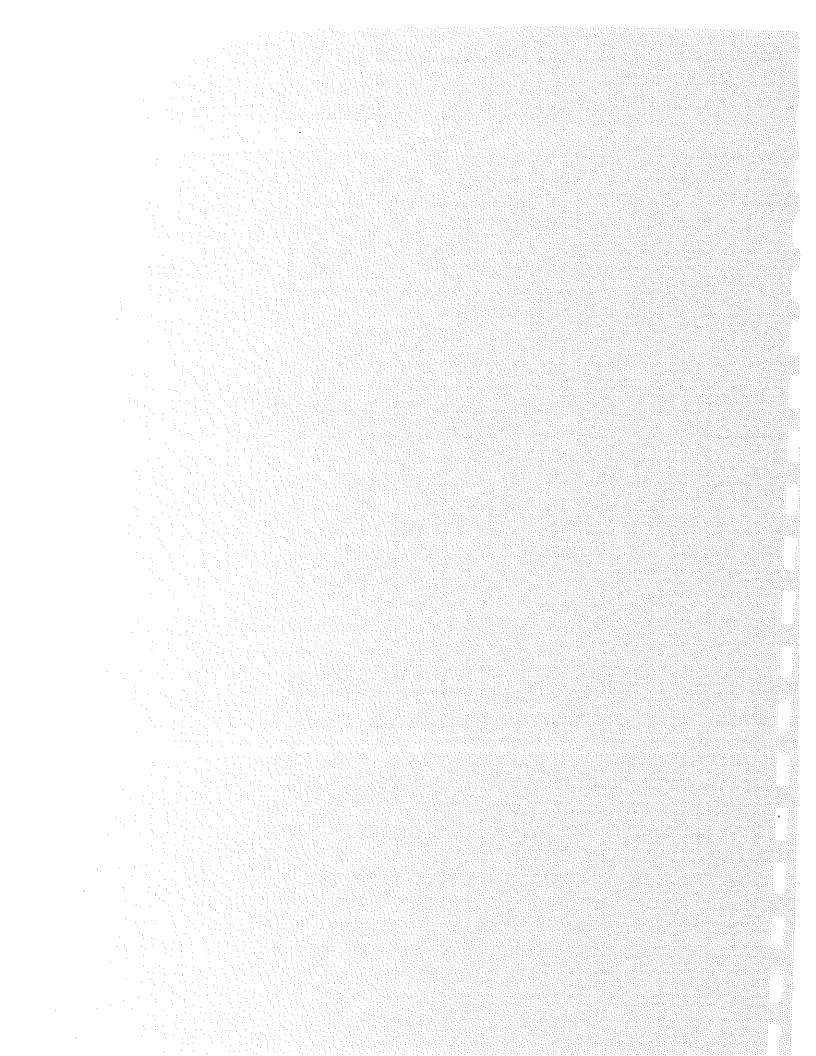
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	RAGs	RAGs	RAGs	04/26/2005	04/26/2005	CD02/02/40	04/40/400	\$ PO	4-8#	0-4#	0-4#	0-4 ft	4	0-4 ft
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Bromochloromethane				<0.051J	<0.063J	1	<0.050	<0.0303	-	12700	0 049		<0.044J	<0.033J
Bromodichioromethane				<0.051J	<0.063J		<0.050J	<0.030J		10000	<0.085.1	-	<0.059J	<0.044J
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tert-Butyl alcohol]		<0.067	<0.085	1	<0.066J	<0.041J	***	<0.050J	20,000		-0.050 l	<0.044.1
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Carbon disulfide	1		3	6,000	20000	1	<0.066J	<0.0413	;	<0.060J	<0.065	-	20.025 20.025	77.04
Carbon tetrachloride	1	1	I	<0.06/J	VO.000		<0.066J	<0.041J		<0.060J	<0.065		10.05	A0.0445
Chlorobenzene	415	310	2180	<0.06/3	40.000 10.000	j	<0.066J	<0.041J		<0.060J	<0.065		CBCO.0>	×0.0440
Chloroethana	1	1	-	<0.067.0	C0.035		10000	<0.030.1	1	<0.045J	<0.049	-	<0.044	<0.0334
Orlocatorm		i		<0.051J	<0.0633	-	10.000	<0.044.1	1.	<0.060∪	<0.065J		<0.059J	<0.044
Orleanophone		i	I	<0.067J	<0.085J	Į	20.000	1,000		<0.050	<0.065	I	<0.059J	<0.044J
Chorumana	1	1	1	<0.067J	<0.085J		20,000	100		<0.060.1	<0.065	ı	<0.059J	<0.044J
Z-Chlorotoluerie			1	<0.067J	<0.085	1	- <0.000	21+0.0		- O OSO 1	<0.065		<0.059J	<0,044J
4-Chiorotoluene			1	<0.067J	<0.085J	***	<0.066J	A0.0415		1 2000	<0.00 0A9	1	<0.044J	<0.033J
1,2-Dibromo-3-chloropropane			1	<0.051J	<0.063J		<0.050	<0.0303	1	2007	SO 049	1	<0.044J	<0.033J
Dibromochloromethane		1	i	<0.0513	<0.063J	*****	<0.050J	<0.030J		0900	<0 085	1	<0.059J	<0.044J
1,2-Dibromoethane			;	<0.067J	<0.085	1	<0.066	40.04TJ		090	<0.065	1	<0.059J	<0.044J
Dibromomethane	3560	2670	10000	<0.067J	<0.085J		<0.066J	20.04		1090	<0.065	i	<0,059J	<0.044J
1,2-Dichlorobenzene	nace	0.103		<0.087	<0.085J	Į	<0.066J	<0.041J		70.00	2000		<0.059J	<0.044J
1,3-Dichlorobenzene				<0 087	<0.085J	Į	<0.066J	<0.0413		20,000	3000		<0.059,5	<0.044J
1,4-Dichlorobenzene		•		<0.087.1	<0.085J	1	<0.066J	<0.0413	1	<0.05U	2000		0.050	<0.044.1
Dichlorodifluoromethane	-	1 5	7697	0.000	<0.085J	1	<0.066J	<0.041J	1	<0.060J	20.000 0.0000	1	2000	<0.033.i
1,1-Dichloroethane	880	645	4920	10,00	-0.063.l	1	<0.050J	<0.030J	1	<0.045J	<0.049		1,000	10.000
1,2-Dichloroethane		ļ	1	50.00 S	1 590 07		<0.050J	<0.030	1	<0.045J	<0.049	1	40.0445	70.033
1.1-Dichloroethene	0.3	0,2	8	C1.00.0>	70.085.1	1	<0.066J	<0.041J	1	<0.060J	<0.065	1	AU.039.	10.044
cis-1,2-Dichloroethene	1	1	1	70.00	1		<0.066J	<0.041	1	<0.060∪	\$0.000 \$0.000	1	40.0030	1 6000
trans-1,2-Dichloroethene	180	135	940	<0.0673	4-	1	<0.050J	<0.030J		<0.045J	<0.049	1	<0.0443	20,0330
1,2-Dichioropropane	-	1	700	2,000	1	1	<0.066J	<0.041J		<0.060J	40.065	-	00000	- CO 044 1
1,3-Dichloropropane	-	1		<0.00.05	\downarrow		<0.066J	<0.041J	-	40.060.0	A0.000		<0.059J	<0.044J
2,2-Dichloropropane	1	!		<0.057.1	-	[<0.066J	<0.041J	1	40.0505	20.000		<0.050.1	<0.044
1,1-Dichloropropene		i		<0.067J	1	1	<0.066J	0.041		×0.000	2000	1 1	<0.059,1	<0.044)
cis-1,3-Dichloropropene	•			1790 05	-	1	<0.066J	0.0413		40.000	500.00		AD 050 1	<0.044.1
trans-1,3-Dichloropropene				C.00.02	+	1	<0.066J	<0.041J	1	<0.0600	20,000		CO.059J	<0.044J
Diethyl ether		1		<0.087.1	Ļ	1	<0.066J	40.04 13	-	20.090v	20.00		20.050.1	0.024.1
Ethyl t-butyl ether	-	10,	10000	0.0073	\vdash	1	<0.066J	<0.041J	1	-0.060J	\$0,000 0,000		0.050	<0.044.J
Ethylbenzene	2210	O/QL	00001	<0.067.1	+	1	<0,066J	<0.041J		<0.0603	20.02	1 1	A) F9.	<0.44
Hexachlorobutadiene	-	4		A) 68.1	╁	1	<0.66J	<0.41J	1	40.60V	50.00 50.00		<0.059.i	<0.044
2-Hexanone		1		CO.05	-	1	<0.086J	<0.041J	1	<0.080J	\$0.000 \$0.000	i	CO.050.1	<0.044
Isopropylbenzene	-	[1	70000	+		<0.066√	<0.041J	ı	<0.060J	<0.055		VO.050 I	<0.05
di-Isopropylether	1	1	1	790.07	+		<0.066J	0.036J	*****	<0.060J	\$0.055		-0.035	40 44 i
p-isopropyltoluene	1	****	1 000	-0.00rg	╁	1	<0.66J	<0.41J	1	<0.60	\$0.65	i	70.09	44.
Methyl ethyl ketone	10000	10000	20001	18907	+		<0.66∪	<0.41J	1	<0.60J	Q1,655	1	260.07	2
Methyl isobutyl ketone	1	·	į	10.000	***								Woodard & Curran	Curran

July 8, 2005

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					E.Perry	E.Perry one, rongald,	id, maine						-	000
					8	4	၁-မ	B-D	D-8	Ą	SS-A	SS-E	99-PB	04/26/2005
	Maine	Maine	Maine	D4/08/00/5	5	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2003	04/20/2005	+	0-4#
	RAGs	RAGs	KAGS	04/20/2000	┼~	4-8 ft	0.4 ft	0-4 ft	4-8 ft	44#	1 4 6	11 +10	-0 050 I	0.024J
	Adult Worker	Residential	Trespasser	11 400	1,000	1	<0.066J	<0.041J	1	<0.060J	40.065 50.065		30.30	<0.22
Methyl tert-butyl ether	1	1	34.0	20.00.0	<0.42,1		<0.33J	<0.20J	1	<0.300	50.33		0.066	<0.0443
Methylene chloride	28	13	1740	151	0.063	1	0.32	0.020	-	0.033	20 055	1	<0.059J	<0.044J
Naphthalene	325	C#7	2 1	<0.067J	<0.085J	1	<0.066J	<0.041J	1	0800	<0.055	1	<0.059J	<0.044J
n-Propylbenzene	-	1		<0.067J	<0.085J	1	<0.066J	<0.041	1	70.000	<0.065	1	<0.059J	<0.044J
Styrene	4			<0.067J	<0.085J		<0.066J	<0.0413		00000	<0.065		<0.059J	<0.044J
Tert-amyl methyl ether	1 0	l geo	2400	<0.067J	<0.085		<0.066J	<0.0413		0.000	<0.049		<0.044J	<0.033J
1,1,1,2-Tetrachloroethane	0417	3		<0.051J	<0.063J	1	<0.050J	<0.0300		080.0	<0.065		<0.059J	0,044∪
1,1,2,2-Tetrachloroethane	1	· ·	.i.	<0.067J	<0.085J	ţ	<0.066J	<0.0413		10000	<0.33	-	<0.30J	<0.22.J
Tetrachloroethene	,	6	3 1	<0.34J	<0.42J	1	<0.33J	<0.207	1	10800	<0.065		0.050J	<0.044J
Tetrahydrofuran		1 000	10000	<0.067.	<0.085J	ļ	0.050J	<0.0413	-	10000	<0.055 <0.065	1	<0.059J	<0.0443
Toluene	3190	7230	2002	<0.067.1	<0.085J	1	<0.066J	<0.041	-	0000	20.05	1	<0.059J	<0.044J
1,2,3-Trichlorobenzene		1 2	3800	<0.0673	<0.085J		<0.066J	<0.041		70.000	<0.055	4946	<0.059J	<0.044J
1,2,4-Trichlorobenzene	720	2 8	2000	<0.067.1	<0.085J	1	<0.066J	<0.041J	-	2000	0000		<0.044J	<0.033J
1,1,1-Trichlomethane	320	007	3 8	<0.051J	<0.063J	-	<0.050J	<0.030	•	0000	<0.065	1	<0.059J	<0.044J
1,1,2-Trichloroethane	7	9	2 004	70.05	<0.085J	1	<0.066√	<0.041J	!	20000	70.05 P.006		<0.059J	<0.044J
Trichloroethene	40	ar I	204	1,000	<0.085J	1	<0.066J	<0.041J		\$0.000 5000	3000		<0.059J	<0.044
Trichlorofluoromethane	***	i		1.000	<0.085J		<0.066J	<0.041J	1	40.080J	20,000		0.037J	<0.044J
1.2.3-Trichloropropane			!	2000	<0.085.1	L.	0.076J	<0.041J	1	<0.060J	00000		<0.059.1	<0.044J
1 2 4-Trimethylbenzene	1	1	1	20.00	1 200.00		<0,066J	<0.041J	i	<0.060J	C90.0>		050.0	<0.044.1
4 o g Trimethythenzene		1	1	<0.06/J	20000		<0.066.1	<0.041J	-	<0.060J	Q.065	1	20.00	200
Visit ablorde	0.1	0.04	0.8	<0.067J	40.085J	1	0.1	<0.041J		0.043J	<0.065	•	1000	1000
Villy Choride	1	1	ì	<0.067J	C0,085J		0.050	<0.041J		<0.060∪	<0.065	4	0.0323	2007
m&p-xylene	1	1	1	<0.067.	<0.085J	1	0.0030	CN		0.043	2	1	0.102	0.0
o-Aylene	10000	10000	10000	2	S	SAME AND								000
Total Xylenes	mark famerical						0 0/	AD 55		<0.57	23	1	<0.61	<0.63
Semicyolanicality			-	0.38	<0.63	I	9 6	20.00		<0.57	8	1	<0.61	<0.63
Acenaphthene				0.4	<0.63	1	0.25	330		<0.57J	<207	1	<0.61J	<0.631
Acenaphthylene		-	197	<0.59	<0.63J	1	, 25.8 8.25	20.050		<0.57	40	1	<0.61	<0.63
Aniline				-	0.44J	i	3.2	20.03		<0.57	<20	****	<0.61	<0.63
Anthracene				€0.0>	<0.63	i	47.8 -	50,00		0.40	42	1	2.3	0.53J
Azobenzene				3.2	2.07	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0.413		<0.57R	×207	}	<0.61J	<0.63J
Benz(b)fluoranthene			1	<0.59	<0.63R	i	42.0K	1880		0.29J	8	1	1.1	0.57J
Benzidine		1		2.4		ļ) ·)	L		0.33	. 20		1.5	0.59
Benzo(a)anthracene		2	6	[2.5]		i		32.07	-	<0.57	32	-	0.58J	0.537
Benzo(a)pyrene	- 1	***		0.86	0.50	1	o C	38.0		0.35	42		1.3	0.533
Benzo(g,n,l)penylene		 	!	2,6	1.9.	1	0.0	25.00	-	<0.57	<20		<0.61	<0.03
Benzo(k)fluoranthene	1			<0.59	<0.63J	1	720	55.55		<0.57	<20;	Í	×0.61	<0.63
Benzoic acau	1		1	Q.59 ————————————————————————————————————	<0.63	!	0 00	\$ CS		<0.57	² 20	1	40.61	50.03
Benzyl alcohol	1			<0.59	<0.63		0 6/	S &		<0.57	<20	-	<0.61	<0.63
DIS(Z-Chloroethy) other			1	<0.59	<0.63	ì	300	65.55	1	<0.57	<20	1	40.61	CO.03
Line Chlorocompoullether	1	1	1	<0.59	<0.63		800	\$0.55	1	<0.57	8	1	7 5	0000
Listo Ethylboxyl) ohthalate	3970	1220	4460	0 .59	LR.D	1	20 R	<0.55	1	<0.57	80	i	20.0	20.07
4 Busineshery pheny ether		1	1	€C:02	50.05		\$ C2.8	<0.55	1	<0.57	8	1	0.00	20.00
4-Digitophiality care		1	-	Q.59	<0.63	I	12.	40,55	1	<0.57	24		Q.0.	0.00
Buryloenzyi pinnalare		1	1	0.46	<0.63	i	200	A) 55	-	<0.57	\$ \$	1	-C.61	20.03
Carbazole		1	1	<0.59	<0.63	I	9 6	20.05		<0.57	<20	ı	<0.61	\$0.03
4-Chloro-3-metrayiphenor			Į	<0.59	<0.63	į	2 6	<0.55	-	<0,57	<20 <20	i	<0.51	6.65
4-Chloroanimie		1	1	<0.59	0.63	i	100	40.55		<0.57	<20	1	۵۳.61 ۱	\$0.05
2-Chloronapriniarene			1	<0.59	<0.63	!	74.0						Woodard & Curran	Curran
Z-Cillorollerio			ı		-	•) fine	, 2005

MEDEP Browmfelds (212179.02) FINAL E.Pery Environmental Site Assessment

Woodard & Curran Summary of Somerset Street Soil Results E.Perry Site, Portland, Maine Table 4-1

Plant of the state				,	i Line	c.rerry Site, Portland, Maine	and, Maine							
, ·	Maine	Maine	Maine	B-A	B-8	4	0	6			j			
72.	Art II Morton	RAGs	RAGs	04/26/2005	94	04/26/2005	04/28/2005	D-D	Q-B	B-市	SS-A	SS-B	SS-B	000
Volatile o total Coomissuras (mail can	no lear	Kesidential	Trespasser	0-4 #	0-4 ft	4-8 ft	0-4#	04,20,2003	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005
Acetone	635	17E							10- 1	0-4#	0. #	0-4 ft	0.4 ft	04#
Велхеле	10	S Le	3330	<0.683	<0.84J	ļ	<0.66J	<0.41.1						
Bromobenzene) 	cn	<0.067	<0.085J	1	<0.066J	<0.0413		V0.500	<0.65	-	<0.59J	<0.44
Bromochloromethane	1			<0.0673	<0.085J	1	<0.066J	<0.041.1		70.000	<0.065	***	<0.059J	0.055J
Bromodichloromethane		-	! !	<0.067	<0.085J	1	<0.066J	<0.041J	1	70.0800	<0.065	1	<0.059J	<0.044
Bromotorm	1	-		Cross-	<0.063	1	<0.050J	<0.030∪		×0.000	<0.065	-	<0.059J	<0.0440
Bromomethane				V0.0513	<0.063	1	<0.050J	<0.030J		<0.0451	<0.049	1	<0.044J	<0.033J
tert-Butyl alcohol				2,000	CO:0807	1	<0.066J	<0.041J		080.05	20.00	1	<0.0443	<0.033J
n-Butylbenzene		1		4.50	<1.7J	i	<1.3J	<0.81J		20000	70.000	j	<0.059J	<0.044
sec-Butylbenzene				50.067J	<0.085J	-	<0.066J	<0.041.1		10000	6.1.3	1	4.21	<0.89J
tert-Butylbenzene	-		1	<0.067J	<0.085J	i	<0.066J	<0.041.1		0000	<0.065	1	<0.059	<0.044
Carbon disulfide			1	<0.067J	<0.085J	ļ	<0.066J	<0.041		70.000	<0.065	1	<0.059J	40.0×
Carbon tetrachloride			1	<0.067J	<0.085J	i	<0.066J	<0.041		40.060J	<0.065	1	<0.059J	<0.044
Chlorobenzene	415	310	2180	<0.0673	<0.085J	1	<0.066J	<0.0413		0000	<0.065	1	<0.059J	<0.044
Chloroethane			7 100	40.05/J	<0.085J	!	<0.066J	<0.041.1		70.000	<0.065	ļ	<0.059J	<0.044
Chloroform				<0.067J	<0.085	1	<0.066.1	V 00 04 1		20.000	<0.065	1	<0.059,1	<0.00
Chloromethane		+	j	<0.051J	<0.063J	1	<0.050.1	0.040	1	40.060J	<0.065	1	<0.059	S 044 I
2-Chlorotoluene				<0.067J	<0.085J	1	<0.056.1	20000	1	<0.045J	<0.049	i	<0.044	CO 033.1
4-Chlorotoluene			1	<0.067J	<0.085J	1	40 08e I	140.04	1	<0.060J	<0.065J	i	<0.059	2000
1,2-Dibromo-3-chloropropane	1		1	<0.067J	<0.085	1	-0.000 -0.000	70.041		<0.060∪	<0.065		<0.059.1	2000
Dibromochloromethane			1	<0.067J	<0.085,1		1 990 07	213	Ŧ	<0.060J	<0.065	1	<0.050 (>	
1.2-Dibromoethane	1	1	1	<0.051J	<0.063.1	1	70,000	\$0.041.J		<0.060J	<0.065	1	09000	<0.0443
Dibromomethane		1	I	<0.051J	<0.063.1		0000	<0.030J	1	<0.045J	<0.049		- 1000	50.044J
1.2-Dichlombanzana			ı	<0.067J	<0.085		0000	<0.030J	1	<0.045J	<0.049		2007	50.033
1.3-Dichlombenzene	3260	2670	10000	<0.067J	<0.085.1		40.066	<0.041)	•	<0.060J	<0.065	1	0.04	<0.033,
1 4-Dichlombarran	-	#	1	<0.067	<0.0000 <0.0000		<0.056J	<0.0412		<0.060J	<0.065		70.039	<0.044J
Dichlorodianomost	1	-	1	<0.087	VO 085 1	į	<0.056	<0.041J	ı	<0.060J	<0.065		20.09	0.044
1 1 Dish out the mane		i	,	<0.067.1	2000	1	<0.0660	<0.041J	-	<0.060,0	<0.065		50.039J	<0.044J
1, 1-Dichlomane	860	645	4520	<0.007.1	70.000	1	<0.066J	<0.041J	1	<0.060J	AD 065	1	<0.059J	<0.044J
1,4-Diching than	1		-	<0.0010	70000	1	<0.066J	<0.041J		<0.060,1	<0.000 <0.000	+	<0.059J	<0.044J
ois 12 Distriction	0.3	0.2	3	<0.0513	70.0030		-	<0.030J	1	<0.045.1	<0.000 <0.000 <0.000	+	<0.059J	<0.044J
Cis-1,z-Ulchloroethene	1	-	1	00.02	20.003	1		<0.030J		<0.045.1	20.040	J	<0.044 0.04	<0.033J
uails-1,Z-Dichloroethene	180	135	940	0,000	20.000	1	<0.066J	<0.041J		-	2000	1	<0.044J	<0.033J
1.2. Dichioropropane	J	1	+	2000	70.089			<0.041J		-	2000	l	<0.059J	<0.044J
1,3-Dichioropropane		-	-	20.00	20.0030	1	_	<0.030J	ľ		2000	1	\dashv	<0.044
4,4-Uchloropropane		-	-	<0.007	40.085J	1		<0.041J		-	C) 085	1		<0.033J
r, i-Didiloropropene	1	1		<0.0071	70.000	1	_	<0.041J		1	VO 08E	!	<0.059J	<0.044
trans 1.2 Dichioropropene	1			0.000	70.083	+		<0.041J		ļ	40.00 40.00E	1	-	<0.044
Diethyl other	200		_	<0.067.1	20.0030 20.0085	i	_	<0.041.j		_	40.08A	•	-	<0.044)
Effort & Sector		-		<0.0871	70.0000	1	_	<0.041J		-	AD 085	+	1	<0.0443
Eth. de ce	1		-	SO 0671	70.000			<0.041J	1	-	0.000 0.000	1		<0.044
Horachicat	2210	1670	10000	2000	70.000	1	-	<0.041J		+	<0.000 <0.005	!	-	<0.044J
2 Horange	-	1	-	<0.000 V	70.000 70.0000	1		<0.041J		-	O 085		-	<0.044
Z-TIEXANONE	1	-		C/00/0	70,000		_	<0.041J	Ī	-	2000	1	_	0.024J
Sopropyroenzene			- -	00.00	20.04	1	-	<0.41J		+	40.000 40.85	1	_	<0.044J
urisopropyietner		1	ľ	SO 067.1	70.000	!		<0.041J	 	L	C) 085		+	<0.44J
Modera	i	-	-	0.000	70.000		_	<0.041J		-	CO 08E	1	-	<0.044∪
Methyl Berryi Ketone	10000	10000	10000	<0.00 A	0.000	v 		0.036J	¥	_	40.003 40.085	7	4	<0.044J
Interniti Isooutyl Ketone	1	1	H	- 00 ON	0.040	1	\dashv	<0.41J	V	+	88	1	\dashv	<0.044J
MEDEP Brownfields (212179.0;	67			2000	×0.044	-	<0.66J	<0.41J		+	20.05	·	+	<0.44.)
FINAL E.Perry Environmental Site Assessment	te Assessment					(!			25:50	!	<0.59J	<0.44)
	1					4-2								

4-2

Woodard & Curran July 8, 2005

Woodard & Curran July 8, 2005

Table 4-1 Woodard & Curran Summary of Somerset Street Soil Results E.Perry Site, Portland, Maine

								1	0	200	A SO	8.88	8.83-8	SS-C
	Maine	Maine	Maine	B-A		-		B-D	04/26/2005	04/28/2005	04/28/2005	8	04/26/2005	04/26/2005
	RAGs	RAGs	RAGs	04/26/2005	8	g	3	04/20/2000	4.8 ft	0-4#	04#		44	0-4#
	Adult Worker	Residential	Trespasser	. 0-4 ft	0-4#	4-8 ft	± 4.5	7 4 6	101	<0.57	230		<0.61	<0.63
A Chlorophomy phony other			į	<0.59	<0.63	1	۷۳,۵	2000		0.34.1	90		εί.	0.64
4-Clicuchilary Prefits Care	1		í	2.4	1.7	1	ρ,	13.0		20.57	000	i	<0.61	<0.63
Ciliyselle			140	<0.59	<0.63J	ì	67.8	40.30	i	12.00	17.1	1	<0.61	<0,63
Diberz(a, 1) anunacene		1		<0.59	<0.63	1	47.8 47.8	6.03		1200	8		<0.61	<0.63
Diberizorurali 2 21 Disklambannidina		1	•	<0.59	<0.63R	1	ζ.α	20.33		20.57	000		<0.61	<0.63
S,SDichioperizionie	22	16	112	<0.59	<0.63	ţ	25.8 25.8	60.00	1	75.00	000		<0,61	<0.63
Z,4-Digitaliparentol		1	-	<0.59	<0.63	i	<2.8	20.00		74.67	000		<0.61	<0.63
Z,6-Dichlorophenor			-	<0.59	<0.63	-	<2.8	40.55			Ş		<0.61	<0.63
Diethyl phthalate			-	<0.59	<0.63	-	% .8	<0.55		70.07	3/5		20.6 4	<0.63
Dimethyl phthalate			1	<0.59	<0.63	!	<2.8	<0.55	400	/c.U.5/	3 6		40 B4	69 02
2,4-Dimethylphenol	1			<0 50	<0.63	1	4 2.8	<0.55	1	<0.57	0250	-	7 6	89 07
Di-n-butyl phthalate	•		•	25.0	<0 83.1	I	<2.8	<0.55		<0.57	850		10,00	3 6
4.6-Dinitro-2-methy/phenol	1	•	-	60.05 60.05	0000	1	\$ C> 8	<0.55		<0.57	<20	i	c 0.61	\$0.63
2 4-Dinitrophenol	1	1	!	76°0>	20.05		a c	<0.55	1	<0.57	<20	*	<0.61	<0.63
o 4-Dinitrotoli iene		1	1	<0.59	<0.630	!	0,000	CO 55	1	40.57	\$ \$	1	<0.61	<0.63
2 6. Distrotoliene			****	<0.59J	<0.63J		7,00	25.00		<0.57	420	1	<0.61	<0.63
C. D. Land abtholists			1	<0.59	<0.63	1	27.0	300		0 #3	150		1.6	1
Di-Ti-Octyl-piniatasa		1	1	4.6	2.7.1	i	16	0.92		72 07	20	1	<0.61	<0.63
FILOGRAM			1	0.49J	<0.63	1	1.5	60,05		1400	S.S.		<0.61	<0.63
Fluorene			1	<0.59	<0.63	ł	~ 2.8	×0.55		200	2 5		<0.81	<0.63
Hexachlorobenzene				<0.59R	<0.63R	ļ	42.8	<0.55	-	/c.0>	3 8		200	<0.63
Hexachlorocyclopentadiene				A0 59	<0.63,	١	<2.8	<0.55	-	70.57	3		0.0	1020
Hexachloroethane	1			0.94	0.56J	1	ro.	<0.55		<0.57	8	1	20.02	2000
Indeno(1,2,3-cd)pyrene	1			25 CS	<0.63	1	<2.8	<0.55	1	<0.57	3	1	0.0	20.07
Isophorone	1	1		2000	<0.63	-	<2.8	<0.55	-	<0.57	020	i	0,01	20.02
2-Methylnaphthalene		1		20.00	<0.63	1	42.8	<0.55	4	<0.57	ozy	3	50.0	2000
2-Methylphenol	1			20 50	<0 63	1	<2.8	<0.55	i	<0.57	62V	700	5	20.07
3&4-Methylphenol		1	1	800	<0.63.1		<2.8	<0.55	****	<0.57	²⁵⁰	•	6.0	2000
2-Nitroaniline	1	,	****	02.07	2000	1	<2.8	<0.55	1	<0.57	250 V	1187	40.61	×0.03
3-Nitroaniline	-	ì	1	6.00	2000		<2.8	<0.55	1	<0.57	8	1	40.61	50.03
4-Nitroaniline	ľ	41		50.03	2000		0.8	85.55	1	<0.57	3 0	1	<0.61	<0.03
Nitrobenzene	***		1	60.00	20,07		22.8	<0.55	1	<0.57	% \$30	1	<0.61	<0.63
2-Nitrophenol	1	-	ì	80.0	1000	1	\$2.8 \$2.8	<0.55	ı	<0.57	\$	1	<0.61	<0.63
4-Nitrophenol	!	1		80.04	20.07		<2.8	<0.55	1	<0.57	\$20 \$20	1	<0.61	<0.63
n-Nitrosodimethylamine	1	-	1	80.00	20.07		<2.8	<0,55		<0.57	<20	-	<0.61	40.63 0.63
n-Nitrosodiphenylamine		!	ŧ	RC'O	20.07		22.8	<0.55		<0.57	<20	1	<0.61	<0.63
n-Nitroso-di-propylamine	1	1	! ;	60.05	30.00		<2.8	<0.55		<0.57	<20	:	<0.61	<0.63
Pentachlorophenol	2	-	77	60.03	200		15	0.58	- 14'90	<0,57	160		0.91	0.623
Phenanthrene	1	1	!	3	28.62		<2.8	<0.55	I	<0.57	, 20 V	-	<0.61	<0.03
Phenol	1	•	_	60.00	- 7 0		15	0.78	1	0.48J	120	1	1.8	0.80
Pyrene	1	1	1	700	4.50 6.53		<2.8	<0.55	1	<0.57	4 50	1	<0.61	<0.03
Pyridine	1	1	1	60.00	20.07		22.8	55. 55.	1	<0.57	~ 50	!	<0.61	50,05
2,3,4,6-Tetrachiorophenol	1		I +	200	889		22.8	<0.55	***	<0.57	\$	1	4 0.61	<0.63
2,4,5-Trichlorophenol	1	*	i	80.07	88	1	<2.8	<0.55	1	<0.57	<20 <20		<0.61	<0.03
į		Control of the Contro		60.07										
				72.44		<0.018	<0.17	1	<0.017	<0.017	<0.024		40.018	40.020
Aroclor 1016	0.4	0.1	7.0	1		×0.018	<0.17	*	<0.017	<0.017	<0.024	I	\$0.018	50.020
Aroclor 1221	i	-	1	12,6		<0.018	<0.17	1	<0.017	<0.017	<0.024	I	<0.018	40.020
Aroclor 1232	1		1	\$ 5		<0.018	<0.17		<0.017	<0.017	<0.024	1	<0.018	02020
Aroclor 1242	1	-	1	40.4		<0.018	<0.17		<0.017	<0.017	<0.024	ļ	<0.018	<0.02U
Aroclor 1248	I	I											Woodard & Curran	Curran

			:
			:
			•

Summary of Somerset Street Soil Results E.Perry Site, Portland, Maine Woodard & Curran Table 4-1

Aroclor 1254			Maine RAGs espasser	8-A 04/26/2005 0-4 ft	04/20	04/26/2005 4-8 ft <0.018 <0.018 <0.018 	0.4726/2005 0.417 0.417 0.97 0.97 0.97 0.97 0.97 0.97 0.29U 0.20U	0.4/16/26/2005	04726/2005 4-8 ft <0.017 <0.017 <0.017 <0.017 <0.017 <0.082 1.5 8.7 8.7 134 0.74 <0.082 1470 45.7 8.7 24.1 21600 42.5 6460 6460 6273 3300	0.4726/2005 0.44ft 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.034 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4	0.4720,200 0.41f 0.024 0.024 ND ND 1.76 1.76 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70	0.4 ff 0.4	0.41 0.47 0.67 1.04 7.10 7.7 7.10 7.7 7.10 7.7 7.10 1.2000 66500 66500 66500 66500 66500 7.8 8.9 8.9 8.9 8.9 8.9 7.8 8.9 7.8 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8.9 8	0-4 ft
Potassium 100 Selenium 100 Silver 100 Silver 100 Sodium 100 Vanadium 15 Zino 100 Zin	10000	950	5350 5360 1500 1500	25.9 25.9 25.9 25.9 0.016	(5.0 0.82 0.82 320 11.5 41.5 41.5 0.022	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24.0 0.54 337 17.7 116 116 0.011	0.00	339 339 36.5 36.5 473 0.016	435 435 0.013	40.19 86.7 40.67 169J	0.038	0.88 434 434 3 22.6 22.6 0.02	299 12.9 69.5 69.5 0.024

Units in miligrams per kilogram (mg/kg)
RAGS = Remedial Action Guideline
<= not detected at reporting limit
[] = above criteria
J = estimated
R = rejected
U = result revised to nondetect

Woodard & Curran Summary of Somerset Street Soil Results

		ļ			E.Pern	E.Perry Site, Portland, Maine	and, Maine	SIIIS						
	Maine	Maine	1 1	B-A	l cò	8	. (
100	Adult Worker	Ä	KAGs	04/26/2005	2	04/26/2005	04/28/2005	B-D	9-0	\vdash	SS-A	888	2	
the children of the cher	1	╀	ilespasser.	#4		4-8 ft	0.4 #	CDOZ/02/40	04/26/2005	04/26/2005	ğ	0	+	-+
Cirysene	ļ			<0.59	<0.63	1	000	1 4 L	4-8 ft	0-4 ft	94₽	-	\$	
Dit.	ł		1	2.4		1	ζ	0.33		<0.57	85	1	0-4 H	\$
Juenzoturan	1			40.59	<0.63J	1	20.0	0.373	1	0.347	09	! ;	40.61	<0.63
3,3-Lichlorobenzidine	1			<0.59		1	4.0 A	50.33	.!	1	\$20		13	0.64
2,4-Uchiorophenol	22	18	140	<0.59		-	52 B	8 5		<0.57	17.		40.61	<0.63
Z.o-Cichiorophenol	•	1		Q.59	- 1	!		25.00			<20 20 20		50.61	<0.63
Discussion partialiste				×0.59	,	1		200		1	<20 <20		20.61	<0.63
Ulmetnyl phthalate	ļ			<0.59		1	1	00.00			\$ \$		40.61	<0.63
2,4-Umethylphenol	1			<0.59	<0.63	1	000	8 :	1	1	\$20 \$20		<0.61	<0.63
U-n-butyl phthalate				<0.59		1	1	Q.55	1	1	8	1	<0.61	<0.63
4,6-Dinitro-2-methylphenol		1	1	<0.59	1	-	T	<0.55	i	T	3 8	1	<0.61	<0.63
2,4-Dinitrophenol		1	1	<0.59	<0.63.1		\Box	<0.55		Т	3 5		<0.61	<0.63
2,4-Dinitrotoluene	!	1	\int	<0.59J	<0.63		1	<0.55	-		200	!	<0.61	<0.63
2.6-Dinitrotoluene	1	i		<0.59J	<0.633		1	<0.55	1	1	800	1	<0.61	<0.63
U-n-octyl-phthalate	1	 		<0.59J	<0.63J		0.00	<0.55	1	+	800	j	<0.61	<0.63
rivoranthene				<0.59	<0.63		7	<0.55	1	✝	18	1	<0.61	<0.63
Fluorene		i		4.6	2.7.1	- -	7	<0.55		+-	3 8	1	<0.61	<0.63
Hexachlorobenzene		i	1		<0.63		7	0.92	1	╁	150	-	<0.61	<0.63
Hexachlorocyclopentadiene		1		 	<0 63		7	<0.55	1	╆	3 5	1	1.6	_
Hexachloroethane	1	i	!		A) 63D	+	1	<0.55	Ī	+	77	1	<0.61	<0.63
Indeno(1,2,3-cd)pyrene	1	-	ļ	1	1600	1		<0.55	T	+	3	1	<0.61	<0 62
Isophorone	1		1	+	20.00	1		<0.55		-	83	1	<0.61	28.00
2-Methylnaphthalene	1	District Control of the Control of t	1	\dagger	2000	1		<0.55	†	4	8	1	<0.61	8 8
2-Methylphenol	1	a mare	i	<0.59	20.02	-	-	<0.55	1	Ų.	35	i	0.62	20.50
3&4-Methylphenol		1	ł	+	20.05	+		<0.55	Ť	1	8	1	<0,61	CO 63
2-Nitroaniline		-	1	\dagger	20,05		-	<0.55	†		8	1	<0.61	2000
3-Nitroaniine		i	i	20.50	V.63		\vdash	<0.55			220	ł	\$0.64	36
4-Nitroanijoe		1		+	C0.63J		├	⊘ 55	+	_ [88	į	A) 63	20.00
Nitrobenzene		i	+	+	c0.63.J		-	<0.55			<20	i	A0 61	20.03
2-Nitrophenol	•	į	+	+	c0.63J		├	<0.55		İ	ŝ	ļ	A0.64	200
4-Nitrophenoi	1	i	+	+	<0.63 20.63		├	<0.55	+	ļ	82	1	<0.61	20.05
n-Nitrosodimethylamina	1	1	-	20.50	0.63R	1	\vdash	<0.55	1	İ	<20	1	40.61	50.03
0-Nitrosodiobeovicaise	-	1	+	1	50.63		-	:0.55	+	Í	02 V	i	<0.64	0.03
n-Nitroso-di-propulazione	1		-	-	50.03		-	:0.55	+	ĺ	×20	1	<0.64	20.07
Pentachlomphani	-	1	+	20.03	50.63		_	0.55			250	1	<0.61	889
Phenanthrene	2	-	-	\downarrow	\$ 0.83 \$ 0.83		-	<0.55	+	- 1	2 20		<0.61	V.033
Phenol	#	1	-	3.5	0.03	-		0.55	+	ı	80	1	<0.61	×0.63
Pyrene]	1	-	+	1	4	3.58	-	İ	027	1	<0.61	<0.63
Pyridine		-	1	-	241	-	4	<0.55			100	1	0.91	0.62
2,3,4,6-Tetrachlorophenol			1		0 63			.78	_	1	2/5	-	<0.61	40.63
2,4,5-Trichlorophenol		#	ı	<0.59	690	i	2.8 △	<0.55		+	120		1.8	0.96
2,4,6-Trichlorophenol			1	-	+		_	7.55		-	K	1	<0.61	<0.63
FOBS/(my/Light Age)				-	<0.63	1	-	3.55	-	40.57	3 55		<0.61	<0.63
Aroclor 1016							<2.8 <(<0.55		╁	200	i	<0.61	<0.63
Aroclor 1221	5 1	[n]	0.2		27/4						250		<0.61	<0.63
Aroclor 1232		1		 		-		8	_		200			
Aroclor 1242		-				+	1			-	50.024 50.034			<0.020
Aroclor 1248			∀ i		9	-	20.17		<0.017	<0.017	1024	V		<0.020
MEDEP Brownfields (242522)		-	¥ -	<0.44	-	+		₽		-	<0.024	+	<0.018	<0.020
FINAL E.Perty Environmental Site Assets	€ .					-	77:	9	\vdash	+	<0.024	1		<0.020
T IBROATEGA SALL F	ile Assessment					4.4					1	1	4	0.020
						ţ						10/01	4	

•								66	2	e G	ထို	-	à	3
		Afaire	Waine	B-1	9-10	F-1	8-2	5-00	501/27/2005	04/27/2005	04/28/2005	04/28/2005	04/29/2005	04/29/2005
<u> </u>	DAGe	RAGs	RAGs	04/27/2005	04/28/2005	04/28/2005	04/2//2000	04/2/12/20	0-4 ft	0-4#	0-4 ft	4-5 ft	0.4·ft	4-b II
	Adult Worker	Residentiai	Trespasser	0-4 ft	0-4 ft	U-4 II	314		新型和影響				421	
Control of the Contro	53	新生产				20 3R I	<0.51	<0.35	<0.42	<0.56J	60.50	1	<0.42.	i
Volainekotaanieeessi eessa ka	635	475	3330	<0.42	CU.30	<0.038J	<0.051	<0.035	<0.043	0.032.1	40.050	1	<0.42	1
Acetule	10	ю	105	<0.042	20.02	<0.038J	<0.051	<0.035	<0.043	<0.056J	20.030	!	<0.42	
Bromohenzene				C0.042	20.03	<0.03BJ	<0.051	<0.035	<0.043	<0.056J	20.02		40.31	1
Bromochloromethane	-	1	1	CD 032	<0.027	<0.028J	<0.038	<0.026	<0.032	<0.0450 <0.0450	<0.037	1	<0.31J	400
Bromodichioromethane	****	1	**	CO 032	<0.027	<0.028J	<0.038	<0.026	CU.U32	-0.04£0	<0.050J		<0,42.1	1
Вготобогт	1	I	1	<0.042.1	<0.036J	<0.038J	<0.051J	<0.035	CU.0433	11.12	00.F≥	1	<8.4J	
Bromomethane	1	l	1	SO 84	0.72	<0.75J	<1.0	0.70	C0.83	70 0E6	<0.050		<0.42.)	I
tert-Butyl alcohol	į		1	CD 042	<0.036	<0.038J	<0.051	<0.035	50.043	990 00	\$0.050	1	<0.42.)	ł
n-Butylbenzene	-	1		2000	<0.036	<0.038J	<0.051	<0,035	C0.043	1990	CO 050	1	<0.42J	-
sec-Butylbenzene	í.	1		20.042	<0.036	<0.038J	<0.051	<0.035	\$0.043	70.05g1	<0.050	1	<0.42	1
tert-Butylbenzene			1	20.042	<0.036	<0.038J	<0.051	<0.035	\$0.043	00000	<0.050	1	<0.42J	704
Carbon disutide	1	-		ch 042	<0.036	<0.038J	<0.051	40.035	20.05	20.05	<0.050		<0.42	
Carbon tetrachloride	!]		349	CD 042	<0,036	<0.038J	<0.051	40.035	0.043	00000	<0.050	1	<0.42J	
Chlorobenzene	415	310	7.00	c0.042	<0.036	<0.038J	<0,051	40.035	250.00	20.0491	<0.037	1	<0.31J	ī
Chloroethane	-		1	40.04Z	<0.027	<0.028J	<0.038	<0.026	40,032	70.0423	<0.050.1	i	<0.42J	A.
Chloroform			***	CD 042.E	<0.036	<0.038J	<0,051J	<0.035J	<0.0430	V0.000	<0.050		<0.42J	
Chloromethane		1	-	CD 042	<0.036	<0.038J	<0,051	<0.035	\$0.043	70.05B	<0.050	1	<0.42.)	
2-Chlorotoluene	1		1	20.042	<0.036	<0.038J	<0.051	<0.035	C0.043	70.058	C) 050		<0.42J	1,
4-Chlorototuene	1	1		2000	<0.036	<0.038J	<0.051	<0.035	<0.043	10000	CD 037		<0.31J	
1 2-Dibromo-3-chloropropane		ì	Į	20.07	<0.027	<0.028J	<0.038	<0.026	<0.032	CO.0420	00037		<0.31J	***
Dihromochloromethane	İ	1	1	2000	\$ 00.72	<0,028J	<0.038	<0.026	<0.032	20.00	050 050		<0.42J	ânsile
1 2-Dihromoethane	ł	1	1	2000	<0.036	<0.038J	<0.051	<0.035	<0.043	CO.U363	050	<4.2	<0.42J	1
Dibromomethane			2000	CD 042	<0.036	<0.038J	<0.051	<0.035	<0.043	0000	\$0.050 \$0.050	<12	<0.42J	
1.2-Dichlorobenzene	3560	Z670	20001	CD 042	<0.036	<0.038J	<0.051	<0.035	50.043	0.000	<0.050	412	<0.42J	i
1,3-Dichlorobenzene	1			<0.042	<0.036	<0.038J	<0.051	<0.035	20.05	20 056.	<0.050	1	<0.42J	1
1.4-Dichlorobenzene	1	-	 	29.042	<0.036	<0.038	<0.051	<0.035	CU.045	70.056	<0.050	1	<0.42J	1
Dichlorodifluoromethane	i	1	4520	<0.042	<0.036	<0.038J	<0.051	40.035	20,02	20.042	<0.037	1	<0,31J	1
1.1-Dichloroethane	860	645	4950	CEU 02	<0.027	<0.028J	<0.038	<0.026	40,032	2000	<0.037	***	<0,31J	1
4 2-Dichloroethane	1		1 (CD 032	<0.027	<0.028J	<0.038	<0.026	<0.032	2,042	<0.050	***	<0,42.	1
1,1-Dichloroethene	0.3	0.2	0	<0.042	<0.036	<0.038J	<0,051	0.035	CD.043	<0.056.1	<0,050	1	<0.42J	¥
cis-1,2-Dichloroethene	1	1 20	040	<0.042	<0.036	<0.038.7	<0.051	AC.030	2000	<0.042	<0.037	1	<0.31J	
trans-1,2-Dichloroethene	180	135	Otto	<0.032	<0,027	<0.028J	<0.038	420.02e	20,02	CO 0563	<0.050	1	<0.42J	**
1,2-Dichloropropane	1	1		<0.042	<0.036	<0.038J	<0.051	CU.U50	50.07	<0.056,	40,050	1	<0.42J	
1,3-Dichloropropane	•		1	<0.042	<0.036	<0.038J	<0.051	CO,030	<0.043	<0.056J	<0.050	1	<0.42J	1
2,2-Dichloropropane	1	1	1	<0.042	<0.036	<0.038J	40.051	20.05	<0.043	<0.056J	<0.050	1	<0.423	1
1,1-Dichloropropene	1	-		<0.042	<0.036	<0.038J	CU,U5	CO.03	<0.043	<0,056J	<0.050	1	<0,423	i
cis-1,3-Dichloropropene	1			<0.042	<0.036	40.0387	9 05	<0.035	<0.043	<0.056J	<0.050	1	40,42	1
trans-1,3-Dionioroproperie	in derin		1	<0.042	<0.036	-0.0303	<0.051	<0.035	<0.043	<0.056J	<0.050	=	×0.420	i
Diemyi etiner	1	-	2	<0.042	000 C	1 80 07	<0.051	<0.035	<0.043	0.036,1	Q:020	1 3	1040	
Ethyl Foulyl euler	2210	1670	10000	<0.042	<0.036	CO.036.1	<0.051	<0,035	<0.043	<0.056J	<0.050	2.1.2	10.420	
Linguage de la la la la la la la la la la la la la		1		<0.042	50.030	SO 38.1	<0.51	40.35	<0.42	<0.56J	00,00	I	C0 42.1	1
Texacilor obtained			1	<0.42	00.00	20.03	40.051	<0.035	<0.043	<0.056J	<0.050	!	1049	
I consomithenzene	1		1	<0.042	20.03	40 038J	<0.051	<0.035	<0.043	<0.056J	\$0.050 6.050 6.050	! !	<0.42	
At Leoprophyther		-	I	<0.04Z	0000	<0.03BJ	<0.051	<0.035	<0.043	×0.056J	50.090		44.2.1	
di-rechippiente		1	1	<0.042	2000	A 38.1	20,51	<0.35	<0,42	<0.56J	06,05		242	-
prisopiopywordenie	10000	10000	10000	<0.42	00.00	28.02	<0.51	<0.35	<0.42	<0.56J	00.00	!	CD 42.1	
Methyl ettiyi Necone	-	a.	1	24.05	980 0	<0.038J	<0.051	<0.035	<0.043	<0.056J	20.05		120	-
Methyl tert-butyl ether	-	-	1	<0.042	\$ \$ \$	<0.19J	<0.26	0.10	<0.21	<0.285	090 0	515	1.3	1
Methylene chloride	28	13	27.0	200	<0.036	<0.038J	<0.051	<0.035	<0.043	0.1/	200.07			
Naphthalene	325	245	3/10	1572									Woodard & Curran	Curran
													AUII.	21112

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Woodard & Curran Summary of Lancaster Street Soil Results E. Perry Site, Portland, Maine Table 4-2

						27.5	C.B	60	7	P-5	ņ	2000,001	047007005	04/29/2005
	Maine	Maine	Maine	<u>.</u>	6-10	10000000	04/27/2005	04/27/2005	04/27/2005	04/27/2005	04/28/2005	04/20/2003	4 4 4	4-8 #
	RAGs	RAGs	RAGs	04/27/2005	04/26/2003	04#	0.4 ft	0-4 ft	0-4 ft	94 #	740	104	<0.42	
	Adult Worker	Residential	Trespasser	0-4 T	70 036	<0.038J	<0.051	<0.035	<0.043	<0.0563	50.050		<0.42	1
	447	1	Į	<0.042	50.000	1 860 07	<0.051	<0.035	<0.043	<0.056J	0000		10401	
n-Propyibenzene		j	ļ	<0.042	<0.036	10000	20.054	<0.035	<0.043	<0.056J	&0.050 €	1	100	-
Styrene		ļ	1	<0,042	<0.036	20,050	70.051	<0.035	<0.043	<0.056J	<0.050	1	1,46	
Tert-amyl methyl ether	2140	999	2400	<0.042	<0.036	<0.030 0.030	0.00	<0.026	<0.032	<0.042	<0.037		1000	
1,1,1,2-Tetrachioroethane	1	1		<0.032	<0.027	50,0200	<0.051	<0,035	<0.043	<0.056J	<0,050	1	7	1
1,1,2,2-Tetrachioroethane	7	3	65	<0.042	<0.036	<0.0304	SO.05	<0.18	<0.21	<0.28J	<0,25	1	45.45	ļ
Tetrachloroethene]		<0.21	40.18	CO 039 1	<0 051	<0.035	<0.043	0.062	<0.050]	1040	ı
Tetrahydrofuran	3490	2390	10000	<0.042	<0.036	C0:000	- CO.O.	<0.035	<0.043	<0.056J	<0.050	1	10.46	
Toluene	2615			<0,042	· <0.036	<0.0380	1000	<0.035	40.043	<0.056J	<0.050	<1.2	CU.42	
1,2,3-Trichlorobenzene	1 1	540	3800	<0.042	<0.036	<0.038J	20.05	4600	<0.043	<0.056J	<0.050	-	<0.4%	111
1,2,4-Trichlorobenzene	720	090	1840	<0.042	<0.036	<0.038J	<0.051	2000	₹ 032	<0.042	<0.037		<0.31J	1
1,1,1-Trichloroethane	355	3	2,0	<0.032	<0.027	<0.028J	20.U38	20.02	CD 043	<0.056J	<0.050	ļ	Te (0.10)	
1,1,2-Trichloroethane	7	2/3	200	<0.042	<0,036	<0.038J	0.026J	AU.050	2000	<0.056J	<0.050	1	<0,42J	1
Trichloroethene	40	A	ř	<0.042	<0.036	<0.038J	<0.051	C0.035	2000	CO 056	<0.050	1	<0.42J	i
Trichtorofluoromethane	:	-	}	<0.042	<0.036	<0.038J	<0.051	20,U35	20.043	0.068	<0.050	1	<0.42J	1
4 2 3. Trichloropropane	i	ł	!	670.07	<0.036	<0.038J	<0.051	<0.035	\$0.045	2000	A0 050	1	<0.42J	-
1 2 4-Trimethylbenzerie	1	1	1	20.04	<0.036	<0.038J	<0.051	<0.035	<0.043	0,020	050 05		<0.42J	i
4 of Trimothy Then 7800	i	ļ	-	400	980 07	<0.038J	<0.051	<0.035	<0.043	20,030	0900		<0.42	i
1,0,0-1 thirding	0.1	40,0	9.0	<0.042	980 0	<0.038.1	0.026J	<0.035	<0.043	1.0	20.030		<0.42	1
Viny Ground	ļ	1	1	0.0253	20.030	-0.038.1	<0.051	<0.035	<0.043	90.0	OCO.OS		CZ	1
m&p-xylene	1	1	1	<0.042	40,030	20000	9000	2	문	0.16		TOTO SECURITION OF THE PERSON	Comment of the Party of the Par	のは、一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一
o-Xylerie	10000	10000	10000	0.025	2	ON	0.020							
Total Xylenes	DOOD I							70 ER	<0.54	<1.2	1	0.70	12.1	1
Samponal la érganicio oribonnas impikat	IIMB/KGF			<0.58	<0.53	<0.28	40,55	2000	<0.54	<1.2	1	<1.2	41.4	1
Acenaphthene				<0.58	<0.53	<0.28	<0.55	9 9	1 24 1	4.2	}	4.2	<1.4	1
Acenaphthylene	1	-		<0.58.1	<0.53	<0.28J	<0.55	CO.DD	200	990	1	1.8	3,4	1
Aniline	1			85 02	<0.53	<0.28	<0.55	8	10.0	24.0	1	<1.2	4.14	•
Anthracene	i	-		88.07	<0.53	<0.28	<0.55	√0.56	800	1		2.4	22	1
Azchenzene	1	1		200	<0.53	0,34	0.92	<0.56	0.98	2 6		4.21		1
Dona (h)@ continete		ł	1	0.00	152	<0.28R	<0.55	<0.56J	<0.54J	77:17		4.2	١	
Della Company		1	-	COD.	25	1860	0.87J	<0.56	0.96	2.1	18	The state of the s		1
Benziume		1		0.483	50,05	100	0.683	<0.56	-	- 182 July		107.0	18	1
Berzo(a)antinacene	7	2	6	9.6	20.00	150	0.29.1	<0.56	0.413	0.60		0.190	١	1
Benzo(a)pyrene	. !	-	1	0.381	000	0.4.0	1 18 0	<0.56	0.93	2.3	1	0,	177	1
Benzo(g,h,i)perylene		1	1	0.39J	20.53 53.	0.273	3 2 2	40.56	<0.54	<1.2	1	<1.2		
Benzo(k)fluoranthene		1	;	<0.58	<0.53	\$0.28	34 4	SO 56	<0.54	<1.2		412	417	
Benzoic acid			1	0.58	40.53	<0.28	00'0	9	C0.54	41.2	Į	<1.2	4,12	
Benzyl alcohol	1			<0.58	<0.53	<0.28	8,0	83.07	45.05	412		<1.2	4.12	i
bis(2-Chloroethoxy)methane	1			<0.58	<0.53	<0.28	3	300	12.05	<1.2	4017	×1.2	41.4	1
bis(2-Chloroethyl) ether				<0.58	× <0.53	<0.28	20,00	8 6	\$0.54	412	1	<1.2	4,12	1
bis(2-Chloroisopropyl)ether	02:06	1220	4480	<0.58	\$0.53	<0.28	800	1 S	6.64	<1.2	1	<1,2	4.0	
bis(2-Ethylhexyl) phthalate	Oles		1	<0.58	40.53	20.28 20.28	3 6	95	<0.54	<1.2	ı	415	4.	
4-Bromophenyl phenyl etner				<0.58	<0.53	87.00 10.78	300	0 56	<0.54	<1.2	i	0.713	0	
Butylbenzyl phthalate			1	<0.58	<0.53	40.28	8 8	99 00	<0.54	<4.2	ı	<1.2	41.4	
Carbazole		!	ı	<0.58	<0.53	87 8	33 6	\$0.56	49.54	<1.2	i	4.2	4:12	
4-Chloro-3-methylphenol		1	[<0.58	8.63	67.5	33.0	<0.56	\$0.54	<1.2	1	42	# .	
4-Chloroaniline			I	85,0>	€ 0.53	40.28	60.00	88.02	<0.54	<1.2	1	<1.2	4.1.	
2-Chioronaphthalene			1	<0.58	40.53	40.28	00.00	85.05	49.54	4.2	1	<1.2	4.1.4	
2-Chlorophenol			1	40,58	<0.53	-0.28 -0.28	60.00	300	1	2.6	1	3.3	3.6	!
4-Chlorophenyl phenyl ether	4	 - -		0.55	\$ 0 ES	0.36	0.960	3	1 2 2	412	1	<1.2	4.14	!
Chrysene	1		 -	<0.58	<0.53	<0.28	40.55J	99 0	\$ 50	42	-	<1.2	1.4	1
Dibenz(a,h)anthracene	***			<0.58	<0.63	<0.28	20.05	9	50.54	412	1	4,2	41,5	t
Dibenzofuran	1			<0.58	<0.53	<0.28	40.55U	0000	2000	<12	1	<1.2	×1,4	1
3,3'-Dichlorobenzidine		1 9	110	<0.58	<0.53	<0.28	<0.55	20.00					•	
2,4-Dichlorophenol	7.7	2	-										Woodard & Curran July 8, 2005	8, 2005

Table 4-2
Woodard & Curran
Summary of Lancaster Street Soil Results
E. Perry Site, Portland, Maine

					Ē	 rerry site, Portland, Maine 	land, Maine							
-	Maine	Maine	Maine	4	B-40	200								
	Adult Worker	Poeldostici	RAGs	04/27/2005	04/28/2005	04/28/2005	B-2	B-3	4	B-5	B-6	ď		
A Calculation Compounds (mg/kg)			l respasser	0.4 ft	0-4#	0-4#	0.4 ft	0-4#	04/27/2005	04/27/2005	04/28/2005	04/28/2005	04/29/2005	B-7
Berzene	635	475	3330	0.42	36.05	- 85 07				74# 74#	04#	4-5 ft	0-4-ft	4-8 ft
Bromobenzene	OL.	5	105	<0.042	<0.036	<0.30J	<0.51	<0.35	<0.42	<0.56J	S 50			
Bromochloromethane		-	I	<0.042	<0.036	<0.038 J	<0.051	<0.035	<0.043	0.0323	<0.050	1	4.2)	,
Bromodichloromethane	1	1	1	<0.042	<0.036	<0.038J	<0.051	<0.035	<0.043	<0.056J	<0.050	1 1	<0.423	
Bromoform			i	<0.032	<0.027	<0.028J	<0.038	SO 026	<0.043	<0.056,	<0.050	1	<0.450 <0.450	•
brometnane tert Bratis			1	<0.032	<0.027	<0.02&J	<0.038	<0.026	70.032	<0.042.1	<0.037		40.31.)	-
n Britathan				C0.042.	<0.036J	<0.038J	<0.051J	<0.035.1	200.02	<0.0423	<0.037	1	40.31.1	1
sec. But the man	1			50.04	<0.72	<0.75J	0.10	0.70	S 05	<0.056J	<0.050J	1 4	<0.42,	
for But the	1	1		20.042	<0.036	<0.038J	<0.051	<0.035	20.00	C1.13	41.00	1	48.4	
Carbon dissilate				CU.042	<0.036	<0.038J	<0.051	<0.035	50.043	<0.056J	<0.050	i	<0.42	
Carbon tetrachloride	9047		-	50.042	<0.036	<0.038J	<0.051	<0.035	<0.043	CO.056	<0.050	1	<0.42,1	
Chlorobenzena	1	ı	-	<0.042	CO.USE	<0.038J	<0.051	<0.035	<0.043	-0.00B	<0.050	**	<0.42	
Chloroethade	415	310	2180	20.00	20.036	<0.038J	<0.051	<0.035	<0.043	19000	<0.050	1	<0.42	
Chloroform	ı	i		SO 042	50.036	<0.038J	<0.051	<0.035	<0.043	CO 056 -	A0.050	•	<0.42J	
Chlomethane	1	ļ		20.032	50.036	<0.038J	<0.051	<0.035	<0.043	0000	-0.050 -0.050		<0.42	
2-Chlorotoliane	i	1	!	SD 0421	<0.02/	<0.028J	<0.038	<0.026	<0.032	0.030	<0.050	1	<0.42,1	
4-Chlorotolivene	#	1	ı	<0.042	-0.030 -0.030	<0.038J	<0.051J	<0.035,	<0.0433	<0.058 i	40.037	-	<0.31J	1
1.2-Dibromo-3-champers		ļ	;	20.02	0000	<0.038,J	<0.051	<0.035	<0.043	0000	Chenin	m	<0.42J	ì
Dibromochloromethane	1]	1	<0.042	0.030	40.038J	<0.051	<0.035	<0.043	00000	<0.050	71912	<0.423	1
12-Dihomostham		1	i	CO 030	0.030	<0.038J	<0.051	<0.035	<0.043	0000	CU.050	1	<0.42J	1
Dibromomethane			ł	<0.004 <0.004 <0.004	<0.027	<0.028J	<0.038	<0.026	<0.032	CO.0303	<0.050	!	<0.42J	
1.2-Dichlorohenzana	1	1		SO 042	<0.027	<0.028J	<0.038	<0.026	<0.032	20.042	<0.037		<0.31J	1
1,3-Dichlorobenzene	3560	2670	10000	<0.042	00000	<0.038J	<0.051	<0.035	<0.043	CO 058	20.03/		<0.31J	
1.4-Dichlorobenzene	1		-	SD 042	20.030	<0.038.	<0.051	<0.035	<0.043	CO.000	<0.050	1	<0.42	1
Dictionalitionmethon		1		S 043	00.03	<0.038,	<0.051	<0.035	€0.043	00000	<0.050	4.2	<0.42	
1.1-Dichloroethans	1	1	-	SO 042	0.036	<0.038,	<0.051	<0.035	<0.043	CD 056 F	<0.050	<1.2	<0.423	1
1.2-Dichloroethans	860	645	4520	CD 0.42	20.036	<0.038	<0.051	<0.035	<0.043	-0.03g	<0.050	<1.2	<0.42.)	
1.1-Dichloroethene	ı	•		Q 032	50.036	<0.038,	<0.051	<0.035	<0.043	00.0300 00.0300	<0.050	!	<0.42.)	1
cis-12-Dichloroethoro	0.3	0.2	3	CO 032	20.02/	<0.028.	<0.038	<0.026	€0.032	1000	V.050		<0.42J	
trans-1.2-Dichlornethood	1	ļ	1	<0.000	20.02/	<0.028J	<0.038	<0.026	<0.032	20.042	<0.037	ı	<0.31J	1
1.2-Dichloropropage	180	135	940	<0.042	<0.036	<0.038J		<0.035	<0.043	CO 042	<0.037	1	<0,31,	
1.3-Dichloropropage	1	1	1	CD 032	+	<0.038J		<0.035	<0.043	000000	<0.050		<0.42	
2.2-Dichlomorphane	***	ı	i	SD 042	50.027	<0.028J		-	<0.032	CO 042	<0.050	-	<0.42,	1
1,1-Dichloropropene		•	1	<0.042	1	50.038J	-	<0.035	<0.043	<0.056J	20.037	1	<0.31J	1
cis-1,3-Dichloropropene		1	i	<0.042	$\frac{1}{1}$	-0.03g	0.051		<0.043	<0.056J	0000		427	!
trans-1,3-Dichlaropropene		-	1	<0.042	$\frac{1}{1}$	<0.038.1	-	+		<0.056J	<0,050	!	<0.423	i
Diethyl ether				<0.042	<0.036	_	+	1	-	<0.056J	<0.050		-0.4Z	-
Ethyl t-butyl ether			1	<0.042		-	0.051	-0.030	<0.043	<0.056J	<0.050		10,42	i
Ethylbenzene	2210	1670	10000	-			-	-	+	<0.056J	<0.050-		1000	
2 Havanga	Į		+	CU.042	<0.036		<u> </u>	-	0.043	<0.056,	<0.050		<0.42.1	1
lease.	1	1	1	+	-		-	+	1	0.036.)	<0.050		50 42)	j
Sopropyllenzene	ŀ	1		+		_	-	+	1	<0.056J	<0.050		CD 421	1
n-isopropylether	į	ı	1	<0.042		_	-	+	+	$\frac{1}{1}$	<0,50	-	42	
Methy ethy ketons	*	1	+	+	1		<0.051	+	-	C0,056.	<0.050	1	<0.42	
Methy isohing setons	10000	2	10000	1	50.03g			-	<0.043	1	<0.050	i	:0.423	
Methy tert-high ether		must.		-	1			<0.35	+	1	CO.050	1	<0.42.j	
Methylene chloride		ı	-	+	20.00	-		-	-	-	0.50	1	<4.2.)	1
Naphthalene	28	13		<0.21	-	<0.038J			+	+	20.50	1	<4.2.1	
	325	245	1710	-	<0.036	+	-		-	+	20.05	v	<0.42)	
MEDEP Brownfields (212179.02)	S				-	-	€0.051 A	<0.035 <c< td=""><td><0.043</td><td>0.17</td><td><0.050</td><td>1</td><td><2.1J</td><td></td></c<>	<0.043	0.17	<0.050	1	<2.1J	
FINAL E. Perry Enginemental 5										$\frac{1}{1}$	מייים	7.7	E.	

MEDEP Brownfelds (212179.02) FINAL E.Pery Environmental Site Assessment

										L C	20	ď	7.4	, 43
		- Acina	Maion	B-1	8-10	B-11	+	6-3	B-4	04/07/0005	04/28/2005	04/28/2005	04/29/2005	04/29/2005
-	Malile	O A G	RAGs	04/27/2005	04/28/2005	04/28/2005	8	007/2/1/2005	04/2//2003	0-4 #	0-4#	4-5 ft	44	4-8 ft
-	2468	Docidential	Trasnasser	2	0-4#	0.4 ft	0-4 ft	242	24.5	100		<1.2	4.12	
	Adult Worker	VESKICI ING	-	<0.58	<0.53	<0.28	<0.55	<0.56	4 2	1 2		c12	51.4	ì
2,8-Dichlorophenol		1		70 Kg	<0.53	<0.28	<0.55	<0.56	<0.54	21.2		6 17	417	ŀ
Diethyl phthalate				V 70.00	SO 53	<0.28	<0,55	<0.56	8.54	<1.2	:	41.0	<1 4 × × × × × × × × × × × × × × × × × ×	1
Dimethyl phthalate	100	1	1	00.00	50 53	<0.28	<0.56	<0.56	0.54	4.2	1	41.4	41.4	ŧ
2 4-Dimethylphenol	1	1		00.00	25.00	<0.28	<0.55	<0.56	<0.54	<4.2		7 7		1
Minchitch onthalate	1		i	\$0.00	200	SC 028	<0.55J	<0.56	<0.54	<1.2	I	717		
4 & Pintro-2-methylphenol			1	<0.08	3 6	20.28	40.55	<0.56	<0.54	<1.2	1	7.12		
4, Chamberol	-	****	****	40.58	50,05	80.00	×0.55J	<0.56	<0.54	۲۰:2	1	<1,2	#: V	
Z,4-Dullu Dpiretto	i	1	l	<0.58	\$0.53	07.0	CO 55	<0.56	<0,54	<1.2		4.2	47.4	
Z-P-Dinuominalia	1	1	1	<0.58	<0.53	60.28	70.55	<0.56	×0.54	<1,2	1	<1.2	4.14	
2,6-Dinitrololuene		1	1	<0.58	<0.53	<0.28	300	S S	2.1	4,3	,	9.8	9.5	-
Di-n-octyl-phthalate				96'0	0.39J	0.61	1.30	00.07	1 0	0.60.1	1	0.64J	1,9	
Fluoranthene	•			<0.58	1	<0.28	<0.55	<0.50	100	642		412	4,12	Ļ
Fluorene	1			<0.58	1	<0.28	<0.55	50.55	10.0	100	i	41.2	4.1>	-
Hexachtorobenzene				<0.58		<0.28	<0.55J	40.50	500	2.4.5		<1.2	4.1>	1
Hexachlorocyclopentadiene				40.58		<0,28	<0.55	\$0.55 \$0.55	10.00	9000		0.96.0	1,9	1.00
Hexachloroethane		<u> </u>		0.39.	ı	0.23	0.34.1	<0.56	0.480	0000		<12	4.5	1
Indeno(1,2,3-cd)pyrene	-	1		85.05		<0.28	<0.55	<0.56	40.54	7 7		<4.2	<1.4	1
Isophorone		;	Ī	000	- 1	<0.28	<0.55	<0.56	<0.54	212	1	41 5	7.5	
2.Methylnachthalene	1	1	ļ	×0.58	- 1	\$2.05	<0,55	<0.56	<0.54	<1.2	*	2.12	ŧ ;	
o Methydriberol	-	1	ı	\$0.08	- 1	80 50	40.55	<0.56	<0.54	<1.2	i	7.1.5		
22.4 Mathydrhanol	1	1	1	80,05	- 1	86.07	<0.55	<0.56	<0.54	<1,2	1	21.5	*;;;	
2 Nitrophilipe	1	1		40°28	20.05	8000	0.55	<0.56	<0.54	<1.2	1	<4.2	*!\ <u>\</u>	
o Nitroanline	I	1		40.58	- 1	86.64	55	<0.56	<0,54	<1.2		42	47.7	1
A Missonaline	1	1	i	<0.58	•	80.00	₩	<0,56	<0.54	<1.2	1	<1.2	4.5	l
Anythi Callunia	1	1	1	<0.58	ŧ	00.0	00 FF. I	<0.56	<0.54	<12	1	4.2	4.5	:
Nitropelizerie	-	1	1	<0.58	ŧ	\$0.20 \$0.20	2000	<0.56	40.54	<12	Į.	<12	4.6	-
Z-Mirophelika	***		1	£0.58	- 1	07.0	3 6	<0.56	40.54	412	***	<12	41,4	1
4-Nitrophiestol		1	-	<0.58		07.05	3 3 6	<0.56	\$0.54	412	1	<1.2	41.4	1
n-Nitrosconite il interiore		1	1	<0.58		20.28	3 6	92	40.54	41.2	i	<1,2	c1.4	-
n-Mirosouphenyanimic	1		1	<0.58	- 1	50.28	3 4	20.56	40.54 40.54	4.2	1	<1.2	4.14	1
n-Nicoso-ul-propriem	-	-	21	<0.58	-	\$U.20	200	S 05	1.6	m	ı	6.5	12	ij
Pentachlorophierroi		ŀ		0.76		200	2 2 2	20 Se	<0.54	<1.2	ŀ	<1.2	4,14	
Phenanthrene		1	1	<0.58		40.28	87.	95	1.7	4.4	****	8.4	7.5	***
Phenol	,	1	ł	76.0		600	2 4	25.0	<0.54	<1.2.	t	<1.2	4,12	1
Fyrene	11.6	1	4	<0.58	<0.53	20.20	3 2	<0.56	40.54	<1.2	i	4.2	4.12	1
Pyridine	1	1		<0.58	-	SU.20	3,00	<0.56	\$0.54	41.2	1	<1.2	4.12	1
Z,3,4,0-1 eu duitui upi etta	1	1	1	<0.58	1	0,00	CO.55	<0.56	<0.54	<1.2	-	<1.2	A1.4	
2 4 a Trichforophanol	-		1	<0.58	200	のプログ								
12,200 ENGLISHED TO THE PARTY OF THE PARTY O						A 0 0 15	<0.017	<0.017	<0,017	<0.18	\$0.18		50.010 50.04E	
Aroclor 1016	0,4	0.1	0.2	60.18	710.02	<0.015	<0.017	<0.017	<0.017	<0.18	\$ 70.18	1	20.013	
Aroclor 1221	1	1	1	2 6		<0.015	<0.017	<0.017	<0.017	<0.18	×0.18	!	2000	
Aroclor 1232	a L	4	1	9 6	1	<0.015	<0.017	<0.017	<0,017	<0.18	0,13		CO 045	-
Aroclor 1242		1	1	60.70	<0.017	<0.015	<0.047	<0.017	<0.017	40.18	A0.18	1 1	0.034	1
Aroclor 1248	-	-	-	200		0.04	<0.017	<0.017	<0.017	4.7	3		0.038	ı
Aroctor 1254		1		7.5		0.12D	<0.017	<0.017	<0.017	4.3	Z.I		0.07	
Aroclor 1260	1	j	10	SACONIA OF STATES		0.16	2	Q	ON					
Total PCBs	7.2	2.2					子子 多光 菜			100000 TOOO	2650			10400
morali norganic gralytes (ing/kg).				16700		9300	10900	4760	ULB/	13200	45.7		1	1,4B
Aluminum		1		20.3		1.3	1.1	1.3	1.1	7	* 一生に の は は できる は は は に は に は に は に は に は に は に は に は	福		9.6
Antimony	1 8	į	8	125.81		7.4		4,6	TO STATE OF THE PARTY OF THE PA	2800	590		1	40.5
Arsenic	1000	10000	1000	479	47	102	50.8	81.8	40	0.61	0.39	1	ţ	0.42B
Barlum	5	4	15	15 0.72		0.48	U.48	7.0	-					
Beryllium	21						•						Woodard & Curran	Curran

8-4



6-4

MEDEP Brownfields (212179.02) FINAL E.Perty Environmental Site Assessment

Woodard & Curran Summary of Lancaster Street Soil Results E Perry Site. Portland, Maine	
Sur	

10.08
04/29/2002
4-5 ff
04/28/2005 0-4 ft 18.7 5000 330 330 3920 6030 6038 9 9 44.8 323 1460 44.8 34.1 38.2 2.5 45.5
0447 0447 13300 13300 13800 13800 18800 1430 1430 1430 1430 1430 1430 1430 14
042772005 0-4 ft 1.2 1.2 4490 37.9 37.9 37.9 37.9 37.9 37.9 37.9 35.7 1.2 2800 2800 2800 2900 0.59 0.009
8-3 0-4 ft 0-24 ft 0-24 ft 0-24 1140 111.5 111.5 6810 97.7 97.7 68.9 0.72 0.72 0.72 0.72 0.72 0.72 10 10 10 10 10 10 10 10 10 10 10 10 10
8.3 9.4 ft 0.4 ft 0.57 2.50 3.0 16100 41.9 53.70 300 41.9 53.70 300 41.9 53.70
8-11 04/28/2005 0.28 0.28 22.9 5.2 5.2 5.2 195 195 195 3550 17.7 17.7 17.6 17.6 1850 0.25 1850 0.25 224 0.25 224 0.25 224 0.25 224 0.25 224 0.25 224 0.25 1850 0.25 1850 0.25 1850 0.25 1850 0.25 1850 0.25 1850 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.
1330 1330 1330 1330 1330 1300 1300 1300 1300 1300 18.2 18.9 16.9
10500 10500
RAGs Trespasser 3.5
Maine Residential 27 27
RAGS RAGS Adult Worker 23 Adult Worker 600 600 10000 10000 10000 10000
888 988 988 889 889 889 889 889 889 889
Calclum Calclum Chromium Chromium Cobalt Copper Iron Lead Magnesium Margnesium Margnesium Margnesium Margnesium Selenium Selenium Selenium Thafflum Thafflum Thafflum Thafflum Toric Zirot Total solids

Units in miligrams per kilogram (mg/kg) PAGS = Remedial Action Guideline < = not detected at reporting limit [] = above oriteria [] = above oriteria B or J = estimated R = rejected R = rejected - = not analyzed or not available

					aĭ wi	erry Site, Po	E. Perry Site, Portland, Maine							
-	RAGS	Maine	Maine	B-1	ď	-								
2.8-Dichloronkers	Adult Worker	a	RAGs		04/28/2005	+		B-3	84	i c				
Diethy phthalate	1	-	respasser	04# 4		0.4 4	04/27/200	04/27/2005	ğ	5	B-6	-	B.7	
Dimethy opticate	1		1	<0.58	<0.53	1000	44	04#	0-4#	+	4	04/28/2005	+-	+
2.4 Directedate	1		1	<0.58	<0.53	970	0.55		\$ 6	100	44	4-5 ft	470	2
Di-Puty obthalata	1		1	<0.58	40.53	SO 28	<0.55		<0.54		1	<1.2	N. P. P. P. P. P. P. P. P. P. P. P. P. P.	4
4,6-Dinfro-2-methanhous	1			<0.58	<0.53	2000	40.55		\$0.54	7 2 2	1	<1.2		1
2.4-Dinitronhanol	1			<0.58	<0.53	AC 02	8		<0.54	7 2	1	<1,2	214	1
2,4-Dinitrotoluene		!		<0.58	<0.53	\$ 5	8 2		<0.54	343	!	<1.2	214	1
2,6-Dinitrotoluene		- Ame		<0.58	<0.53	<0.28	1000		<0.54	243		<1.2	<14	1
Di-n-octyl-ohthalate		1		<0.58	<0.53	<0.28	0000	<0.56	<0.54	<12	-	<7.2	414	!
Fluoranthene		i		<0.58	<0.53	40 28	200		<0.54	24.2		<1.2	414	-
Fluorene		i	1	<0.58	<0.53	SO 08	5.5		<0.54	77.7	1	<1.2	717	
Hexachloropenzene			i	0.96	0.39	0.60	<0.55		40.54	7 . 7	1	<12	217	-
Hexachorombacterie			1	<0.58	<0.53	000	1.33		2.1	7.7	1	<1.2	¥ .V	1
Hexachlorosthan			1	<0.58	66.53	2000	<0.55		<0.54	5.4.3	į	9.8	1.4	i
Indepo(4 2 2 cm	1		1	<0.58	<0.53	97.7	<0.55		\$ 0 54	0.600	J	0.64.1	Cip	ı
Sontoron	i		1	<0.58	<0.53	07.0	0.55		23	7.5	!	<12		-
2-Methdonium	i		!	0.39.0	\$0.53	20.28	<0.55		\$ 05 50 50	<1.2	1	412	7	***
2-Methylphanal	1		1	<0.58	<0.53	20.00	0.34,)		0.48.1	212	:	<12	4.5	1
384-Methylphone	1	1		١,	<0.53	9 6	<0.55		\$0 E4	2000		0.98		1
2-Nitrospiline	1	 			<0.53	0.50	<0.55		<0.54	7 7	1	<1.2	2	1
3-Nitroeniico	-		1		<0.53	97.07	<0.55		\$0.54	21.5	1	<1.2	* * *	
4-Nitropalia	1		1		<0.53	97.5	0.55		<0 54	21.5	1	41.2	4.17	!
Nirohoga	1	!	1	ļ	<0.53	V0.28	<0.55		200	4.2	1	412	4.1	•
2-Nimon	+		1	ĺ	<0 F3	\$2.0	<0.55		73 60	41.2		413	4.1.	1
4 Mirrorham	1	-	1	<0.58	O 53	<0.28	<0.55		200	<1.2	1	45	4,1	ļ
a Nicopileno			,	1	20 62	AU.28	<0.55		130	<1.2	1	<	41.4	1
n Nite of the strains		*	i	1	SO 53	<0.28	<0.55		100	<1.2	1	410	41.4	***
o Nieco	1		1	l	\$0.53	40.28	<0.55		1200	<1.2	1	412	4.1.4	-
Post of propyamine];		1	Γ	20 63	20.28	€.55		100	<1.2		<12	4:1:4	1
Phone	-	1	,	T	50 Ka	40.28	<0.55		10.04	<1.2	ı	<12	4,17	ł
Description			21	T	50.53	<0.28	<0.55		70.54	<12	1	43	41.4	1
Dyeno	i			T	<0.53	Q.28	<0.55		KO 84	<7.2	1	472	4.1.4	1
Division	i	1	-		S 53	6,3	0.51J		9 -	<1.2		<12	4.1	1
23.48 T	1]		1	030	<0.28	<0.55		0.00	8	i	6.5	4.1.4	1
2.4 & Taill	1	1			<0.53	0.5	1.3		3.7	<12		42	72	i
2.4 & Trick	!	:	1	-	20 53	87.07	<0.55		<0.54 CO 54	4.4		8.4	4.1.4	
H. P. S. S. S. S. S. S. S. S. S. S. S. S. S.	1		1		<0.53	50.CB	<0.55		< 0 54	<7.2		<1.2	6.7	1
Aroclor 1016				一	<0.53	20.00	<0.55		\$0.54	7.0	1	<1.2	47.7	i
Araclar 1224	0.4	0.4				00	<0.55		<0.54	7.7	1	<1.2	214	1
Aroclor 1232	-		2.0		<0.017	A 0 0 1 5					1	ſ	514	1
Aroclor 1242	1		!		<0.017	<0.015	40.017					23.01		1
Arcclor 1248	i	1		+	-0.017	<0.015	70.07			+	A0.18		<0.015	
Aroclor 1254	;			+	20.017	<0.015	50.047		-	+	0.10	:	<0.015	
Aroctor 1260	1		-	_	0.017	:0.015	40.047		-	-	0.18	1	<0.015	
Total PCBs	- J		-	4.4	0.052	0.04	<0.017	20.017		0.18	0. 10 10 48		<0.015	
Total Liordanic Analyte's (monet	(.2 Media	2.2		19-510	0.11	0.120	<0.017	+	<0.017	-	13	+	<0.015	
Auminum	2				0.162	0.16	NO.	+	_	-	1.2	+	0.034	
Antimony				16700							261818	+	9.036	
Arsenic	30	1 5		\downarrow	+	-			7810				0.07	
Boods	10000			[25.8]	+		_	1	$\frac{1}{1}$		3500			
	10	+	0		+	402		91	大変では、大変に		5.7	-	1	10400
MEDEP Brownfields (212175 o			15		0.46	+	50.8		10 m	2600	(21.31		1 1	1.4B
FINAL E.Perry Environmental Site A	(Z)					 			0.4	-			+	D is
	one Assessment					•				-			+	40.5
		٠				2 1 25								440

							6 00	6.99	88-4	SS-5	88.6
	Maine	Maine	Maine	8-8	8-8	SS-1	50479879005	04/28/2005	04/28/2005	04/28/2005	04/28/2005
	O A CA	RAGs	RAGs	04/29/2005	04/28/2005	04/28/2005	ł	1	0-4#	0.4 ft	0-4 R
. 1	Adult Morker	Residential	Trespasser	4	0-4#	1 1-0	ESS.	建筑地域的地域。			
Server (Security Indeposits and Commencer an	TOWN TOWN TO MAKE THE PARTY OF			新安务公司			2	à	<0.40	<0.37	.<0,44J
Volatile Ofganic Compounds/imp/vol	のでは、これのできる。	475	3330	<0.35J	<0.35	<0.47.	20,000		<0.040	0.053	<0.044
Acetone	5	5	105	<0.035J	<0.035	40.047J	0000	<0.045	<0.040	<0.037	<0.044J
Велгеле	2 1			<0.035J	<0.035	<0.04/J	160.02	<0.045	<0.040	<0.037	<0.044J
Вготореиделе			1	<0.035J	<0,035	19000	CD 029.1	<0.033	<0.030	<0.028	. <0.033.1
Bromochioronialia				<0.026J	<0.026	00000	<0.029J	<0.033	<0.030	<0.028	<0.033
Bromodichiotistilalia		i i	Į	<0,026J	<0.020 0.020	1270	<0.039.1	<0.045J	<0.040J	<0.037J	<0.044
Bromoiorm	371	-	ţ	<0.035J	\$0,030	1980	<0.77.3	<0.89	<0.81	<0.74	<0.87J
Bromometriane	1	l	-	<0.703	0/:02	12000	<0.039.)	<0.045	<0.040	<0.037	<0.0447
tert-Butyl alconol	1	1	1	<0.035J	\$0.030	15.00	<0.039.1	<0.045	<0.040	0.071	<0.044
n-sutypenzene		1	1	<0.035J	\$0.035	2/10/07	CO 039.1	<0.045	<0.040	<0.037	<0.0443
sec-Buty/Denzene		:	1	<0.035J	<0.035	10.047	CO 039.1	<0.045	<0.040	<0.037	0.044)
tert-Butylbenzene	1	1		<0.035J	<0.035	20,047	<0.039.1	<0.045	<0.040	<0.037	0,044
Carbon disultide	-		1	<0.035J	\$6.03	50.047	<0.039,1	<0.045	<0.040	<0.037	<0.044.
Carbon tetrachioride	415	310	2180	<0.035J	<0.035	20.04	Z0 039.1	<0.045	<0.040	<0.037	<0.0443
Chloropenzene		ļ -	{ ·	<0.035J	<0.035	1960	19000	<0.033	<0.030	<0.028	<0.033
Chloroethane			1	<0.026J	<0.026	20,030	1000	<0.045	<0.040	<0.037	<0.044J
Chloroform		1	1	<0.035J	<0.035	/\$0.05 1.5	2000	\$0.045	<0.040	<0.037	<0.044J
Chloromethane			1	<0.035J	<0.035	<0.04 /J	2000	00 045	<0.040	<0.037	<0.044J
2-Chlorotoluene		1	!	<0.035J	<0.035	<0.0473	1000	Z0 045	<0.040	<0.037	<0.044J
4-Chlorotoluene			Į	<0,035	<0.035	0.047.	CO.0550	0000	<0.030	<0.028	<0.033
1,2-Dibromo-3-chloropropane	:		411	<0,026J	<0.026	<0.036J	<0.0283	2000	<0.030	<0.028	<0.033J
Dibromochloromethane	!		1	<0.026J	<0.026	<0.036J	C67002	CO.035	CO 040	<0.037	<0.044J
1,2-Dibromoethane	1		1	<0.035	<0.035	<0.047J	<0.039J	40.045	SO 040	<0.037	<0.044J
Dibromomethane	1 3	02570	10000	<0.035J	<0.035	<0.047J	<0.039J	40.045	co 040	<0.037	<0.044J
1,2-Dichlorobenzene	nace	2012		<0.035J	<0.035	<0.047J	<0.0383	2 2	0 040 OV	<0.037	<0,044J
1,3-Dichlorobenzene	1		 - -	<0,035	<0.035	<0.047J	-0.038J	3	090 090	<0.037	<0.044J
1,4-Dichlorobenzene	1		1	<0.035J	<0.035	<0.047	40.U39J	200	SO 040	<0.037	<0.044J
Dichlorodifluoromethane	Cao	645	4520	<0.035J	<0.035	<0.0473	2000	2000	<0.030	<0.028	<0.033
1,1-Dichloroethane	000		-	<0.026J	<0.026	<0.036J	2000	2000	080.030	<0.028	<0.033J
1,2-Dichloroethane		60	8	<0.026J	<0.026	<0.036J	C620.02	3 5	<0.040	<0.037	<0.044J
1,1-Dichloroethene	6.0	 - - -	!	<0.035J	<0.035	<0.047J	C0.0383	200	<0.040	<0.037	<0,044J
cis-1,2-Dichloroethene	1 5	135	940	<0.035J	<0.035	<0.0473	00000	2000	<0.030	<0.028	<0.033
frans-1,2-Dichloroethene	001		i	<0.026J	<0.026	<0.036J	\$0.0250 \$0.000	CO 045	<0.040	<0.037	<0.044J
1,2-Dichloropropane		1	ł	<0,035J	<0.035	50.05	1000	<0.045	<0.040	<0.037	<0.044J
1,3-Dichloropropane	1	I	i	<0,035J	40.035	40,0473	10000	<0.045	<0.040	<0.037	<0.044J
2,2-Dichloropropane	1	1	ì	<0.035J	40.035	20.0475	CO.039	<0.045	<0.040	<0.037	×0.044J
1,1-Dicheropropere	1	ı		<0.0353	20.00	<0.0473	Leco.0>	<0.045	<0.040	<0.037	40.044
trans 1 a Dichloropropena	i	1	1	40.0354	20.03	<0.047J	C0:039	<0.045	0.040	. <0.037	CO.0440
District other	1	1		1960	CO 035	<0.047J	<0.039J	<0.045	00.080	40,037	770
District Care	a dir	1		40.0352	7900	<0.047J	<0.039	7,00	×0.040	0.25	<0.0440
Ethylpanzene	2210	1670	10000	1900	+	<0.047J	<0.039	<0.045	0.08 0.08	40.03/	CO, U443
Hexachtorobutadiene			-	40,030 176,07	+	<0.47.	<0.39J	<0.45	<0.40	<0.37	CO.4440
2-Hexanone		•	1	1 0 035	╁	<0.047	<0.039.1	<0.045	40.040	0.0203	CO 044
Isopropylbenzene		1	1	CO 035.1	+	<0.047J	C0.039J	<0.045	\$0.040	40.03	SD 044.
disportoblether	1	1	1	60.0351	-	<0.047.	<0.039J	<0.045	CO.040	0.02	CD 44.1
n-Isopropyltoluene		1	0000	136.02	<0.35	0.47.	<0.39J	<0.45	<0.40	10.07	CO 44
Methyl ethyl ketone	10000	10000	00001	1 40 00	035	<0.47J	<0.39	<0.45	<0.40	C0.00	2004
Methyl Isobutyl ketone		1	1	20 0351	-	<0.0473	<0.039.1	<0.045	\$0.04 6	40.05	20.00
Methyl tert-butyl ether	1	d her		47.12	-	<0.24		<0.22	0.20 0.20	2 4	S 044.1
Methylena chloride	28	13	1740	0.020	<u> </u>	<0.047J	<0.039.1	<0.045	V.040	2	
Nanhthalene	325	245	1/10	7						-	Wood

			. :
			:

And the second s	- Calabi		Maine	o di	2		200000000	9000/80/70	04/28/2009	04/20/2003	107110
•	Marie	Walne	DI MEDIA	20000000	04/28/2005	04/28/2005	04/28/2005	U4/20/10/20		4	4
	RAGs	RAGs	RAGS	04/29/2005	04#	0-4#	0-4 ft	0-4 ft	0-4 m	1810	<0.044J
•	Adult Worker	Residential	Trespasser	20 0351	<0.035	<0.047J	<0.039J	0.028J	0000	<0.037	<0.044J
the contraction	1			13000	<0.035	<0.047J	<0.039J	<0.045	2000	70 037	<0.044
1-Propyloenzene	1	1	i	<0.055J	3000	<0.047J	Le£0,0>	<0.045	0.040	40.037	Z0 044.
Styrene	1			CO:0350	3000	<0.047	C0.039J	<0.045	<0.040	<0.037	0000
Tert-amy methy ether	2140	099	2400	C0.035U	20,02	<0.036J	<0.029J	<0.033	<0.030	<0.028	0.000
,1,1,2-1etrachloreurane	1	1	-	<0.026J	200.00	900	70.039	<0.045	0.048	<0.05/	1000
1,1,2,2-Tetrachloroemare	7	3	88	<0.035J	50.03	c0 241	<0.19J	<0.22	<0.20	c0.18	20.00
Tetrachioroethene		1	l	<0.17.	A0.3	12000	<0.039.1	6.0	0.028J	0.5	2000
Fetrahydrofuran	COFFE	2390	10000	<0.035J	40.035 40.035	2,000	60.05	<0.045	<0.040	<0.037	0.0440
Toluene	nė1c	1	1	<0.035J	<0.035	<0.0473	050.07	<0.045	<0,040	<0.037	0.0440
2.3-Trichlorobenzene		1 3	3800	<0.035J	<0.035	<0.047J	<0.039	20.04	<0.040	<0.037	<0.044J
1 2 4-Trichlorobenzene	720	540	2000	<0.035J	<0.035	<0.047J	<0.039	0000	0800	<0.028	<0.033.1
4 4 Trichlorethane	350	260	2	20.026.1	<0.026	<0.036J	<0.029	50.030	0000	<0.037	<0.044J
1, 1, 1- Hearthone than	7	9	5 5	2000	<0.035	<0.047J	<0.039J	<0.045	20.00	CO 037	<0.044
T. 7.1.1	40	6	400	0.02.0	40 035	<0.047J	<0.039J	0.095	<0.040	750.07	CD 044.
Inchio deuterio	1	ļ	[V.0500	CO 035	<0.047J	<0.039J	<0.045	<0.040	200	<0.0443
I FICHOFORMULA MARKET	1	1	=	×0.0303	20.07	<0.047J	<0.039J	0.17	0.0283	0.0	CO 044.
1,2,3-Trichloropropane		1	1	40.035J	20.00	20.047.1	<0.039J	90'0	<0.040	0.13	1
1,2,4-Trimethylbenzene			1	<0.035	١	1270	C0 039.1	<0.045	<0.040	<0.037	20.02
1,3,5-Trimethylbenzene	100	200	9.0	<0.035	1	200	CO 039.1	0.8	0.054	0.59	<0.0443
Vinyl chloride			1	<0.035J	l	50,047	T	0.21	0.023	0.16	0.0440
m&p-Xylene	 - -		1	<0.035J		40.0473	1	101	0.077	0.75	Ω
o-Xviene	•	1000	40000	9		2	_	の の の の の の の の の の の の の の の の の の の			
Total Xvienes	10000	A STATE OF THE PARTY OF THE PAR						2.3 0.7	<0.55	<0.56	<0.59
Seminated in Some compounds (market)	(Maka)			<0.28		<0.65	_	5 6	50 65	\$0.56	<0.59
Acenaphthene	1	-		40.28		<0.65		500	<0.55	<0.56J	<0.59J
Aconaphtivene	1	-		<0.28J	<0.53	<0.65	<0.58	20.00	033	40.56	<0.59
Anima	1	!		0.17.1	<0.53	<0.65	80.00		15.5	<0.56	69.0>
Arthracene	1	1		<0.28	<0.53	<0.65	Q.58	500	-	<0.56	4.1
Azobenzene	-	1		0.85	<0.53	0.50	0.94	0 1	1 25	<0.56J	<0.59J
pen-/h/fluctanthene		1		TBC 02	<0.53	<0.65J	<0.58J	20.00	200	<0.56	0.85
Description	1	1	1	080	<0,53	0.7	0.63	0.420	0000	SO 55	1.3
occupation of the contraction of	1		1 4	88.0	<0.53	0.65J	0.79	0.92	3000	C0 56	0.45J
Deliza(a)amano	_	2	2	97.0	<0.53	0.48J	<0.58	0.44	\$0.00	94 07	1.3
Benzo(a)pyrane	!	1	1	D. W	8	0.493	0.72	0.45	0.63	3 6	65.05
Benzo(g,n,i)beryieria	1	1	1	200	2 6	90.05	<0.58	<0.57	\$0.55 \$	00.07	020
Benzo(K)Muorammene	\ \ \		1	40.78	3 8	89 65	<0.58	<0.57	<0.55	80,00	900
Benzoic acid	1	1	l	<0.28	3 8	8	40.58	<0.57	<0.55	QC.02	2
Benzyl alcohol		1	1	<0.28	+	20.05	<0,58	<0.57	<0.55	90.38	500
bis(2-Chloroethoxy)metriane		i	1	<0.28	+	8 6	<0.58	<0,57	<0.55	\$0.5e	6.03
bis(2-Chioroeutyl) eurei	1	1	}	<0.28	3 5	CO 85	<0.58	<0.57	\$0.55	SU.35	3 6
bis(2-Chloroisopropyl)eurer	3970	1220	4460	<0.28	+	20.05	<0.58	<0.57	Q.55	90.00	60.07
bis(2-Ethylhexyl) phthalate	1	1	1	<0.28	+	20 65	<0.58	<0.57	40.55	40.56	800
4-Bromophenyl phenyl euler			1	40.28	+	8 6	<0.58	-	40.55	8:0	600
Butylbenzyl phthalate				<0.28	8 8	5 6	<0.58	<0.57	<0.55	<0.56	0.00
Carbazole			1	<0.28	8.5	39.0	40.58	-	<0.55	<0.56	40.08
4-Chloro-3-methylphenol				<0.28	<0.53	CO.05	89 6	-	<0.55	<0.56	40.58
4-Chloroaniline			1	<0.28	_	8.5	1		0.55	<0.56	<0.59
2-Chloronaphthalene	11		-	<0.28		9.65	+	20.57	<0.55	<0.56	<0.59
2-Chlorophenol				<0,28	_	8	+	-	1.1	<0.56	1.1
4-Chlorophenyl phenyl ether	A	1	i	0.76	-	0.71	+	1	<0.55	<0.56	<0.59
Chrysene			i	<0.28		40.65	+	SO 57	<0.55	<0.56	<0.59
Dibenz(a,h)anthracene			1	<0.28	<0.53	-	800	+	<0.55	<0.56	40.55
Dibenzoluran	1]	<0.28		1	$\frac{1}{1}$	-	<0.55	<0.56	<0.56
3.3'-Dichlorobenzidine	1	! !	113	<0.28	<0.53	\$0,65		10.0			
S. C. Pickerophano	22	16	11.0				i				

RAGS RAGS 04/15 1/15		Maine	Maine	Maine	a a							
Column		RAGS	RAGs	RAGs	04/29/2005	04/28/2005	SS-1	SS-2	SS-3	SSA	888	0.00
Column	Volatite Organic Compounds (mare	Audit Worker	Residential	Trespasser	0.4 ft	0-4#	CO17/07/	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005
10.00 1.00	Acetone	363						24#	0-4 ft	04 R	0-4#	CUUZ/02/10
1975 1975	Benzene	5	475	3330	<0.35J	<0.35						
Marie	Bromobenzene	2	2	105	<0.035J	<0.035	0.47	<0.39	<0.45	<0.40	<0.37	
The control The control	Bromochloromethane	•	1	1	<0.035J	<0.035	0.047	<0.039	0.14	<0.040	0.053	20.04
Column	Bromodichioromethane			1	<0.035J	<0.035	C 047.0	<0.039	<0.045	<0.040	<0.037	C0.044
1	Bromoform		1	1	<0.026J	<0.026	<0.0473 <0.0361	CO 0393	<0.045	<0.040	<0.037	SO 044 1
Column	Bromomethane	i	Į		<0.026J	<0.026	<0.036.1	0000	<0.033	<0.030	<0.028	<0 D33
1	tert-Butyl alcohol		Į	1	<0.035J	<0.035	<0.0471	V0.029.	<0.033	<0.030	<0.028	<0.033.1
10 10 10 10 10 10 10 10	n-Butylbenzene	,	4	1	<0.70J	<0.70	<0.95.1	70.00	<0.045	<0.040J	<0.037J	<0.0441
The column The	sec-Butylbenzene	1	1	1	<0.035J	<0.035	<0.047,1	<0.773	<0.89	<0.81	<0.74	<0.87J
10 10 10 10 10 10 10 10	tert-Butylbenzene		!	i	<0.035	<0.035	<0.047.1	0000	<0.045	<0.040	<0.037	<0.044
Column C	Carbon disulfide			j	<0.035	<0.035	20.00	C60030	<0.045	<0.040	0.071	S 044
10 10 10 10 10 10 10 10	Carbon tetrachioride		1	1	<0.035	<0.035	2000	<0.039,	<0.045	<0.040	<0.037	1
10 10 10 10 10 10 10 10	Chlorabenzene	448	-	1	<0.035J	<0.035	12000	- C0.039J	<0.045	<0.040	<0.037	0000
No. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Chloroethane		310	2180	<0.035J	<0.035	CO 0471	C0.039	<0.045	<0.040	<0.037	2000
Column	Chiloroform		1	1	<0.035J	<0.035	20047	<0.039	<0.045	<0.040	<0.037	2004
Company	Chloromethane	!		1	<0.026J	<0.026	0.040	<0.039J	<0.045	<0.040	<0.037	2004
Participation	2-Chlorotokiene				<0.035J	<0.035	CO 047	<0.029J	<0.033	<0.030	<0.028	CD 039
Participa Part	Chlorotoluene		1	-	<0.035J	<0.035	SO 047	<0.039	<0.045	<0.040	<0.037	×0.044
Parish	,2-Dibromo-3-chloropropane			-	<0.035.1	<0.035	<0.047.1	60.039	<0.045	<0.040	<0.037	<0.044
10.00 1.00	Ibromochloromethane	i	1		<0.035,1	<0.035	<0.047.	20,039	\$0.045	<0.040	<0.037	40.044.
Control	Z-Dibromoethane	1		1	<0.026J	<0.026	<0.036,0	<0.000 A	50.045	<0.040	<0.037	<0.044
Part	Dromomethane	1	1	!	<0.026J	<0.026	<0.036J	<0.029.1	20.03	40.030	<0.028	<0.033
Part	Dichlorobenzene	3560	2670	1 0000	<0.035J	<0.035	<0.047J	<0.039.1	10.035	<0.030	<0.028	<0.033
Part	2-Dichlorobenzene	1	1	0000	<0.035	<0.035	<0.047.J	<0.039J	<0.045 <0.045	0.040	<0.037	<0.044J
Column	+-Dicitioropenzene		1	;	<0.035J	<0.035	<0.047J	<0.039.	0.045	40.040	<0.037	<0.044
Bell	- Dichloroathane]			C0.035	<0.035	<0.047J	<0.039J	<0.045	20.040	<0.037	<0.044J
Part	2-Dichlorcoffee	860	645	4520	0.030	<0.035	<0.047.1	<0.039J	<0.045	0.040	<0.037	<0.044J
Part	Dichloroothogo	1	-		20,039	<0.035	<0.047,0	<0.039J	<0.045	70.040	<0.037	<0.044J
The part The part	-1 2-Dichlorooth	0.3	0.2	3	20.026	<0.026	<0.036J	<0.029J	<0.033	0000	<0.037	<0.044J
180 136 940 -0.0354 -0.0354 -0.0471 -0.0354 -0.0465 -0.046	Os-1 2-Dishonary	1	 1	+	70.020 70.0261	<0.026	<0.036J	<0.029J	<0.033	0000	<0.028	<0.033
Part	-Dichlorogram	180	135	940	CO 035	<0.035	<0.047.J	<0.039J	<0.045	-0.030 -0.040	<0.028	<0.033J
Part	Dichloropropage	ı		+	<0.0333 <0.0281	<0.035	-	<0.039J	<0.045	00 040 00 040	A0.037	<0.044J
ne -	Dichloropropane	•			<0.035	CD 035	+	<0.029J	<0.033	<0.030	40.03/	<0.044
ppene — <	-Dichloropropene	j	1		<0.035	<0.035	+	<0.039,	<0.045	<0.040	<0.037	50.033
recorded -<	1,3-Dichloropropene	1	1	1	<0.035,1	+	+	<0.039J	<0.045	<0.040	<0.037	0.044
Column	s-1,3-Dichloropropene		i	1	<0.035J	-	+	0000	<0.045	<0.040	-	40 044 i
Column	thy ether	.	i i	1	<0.035,1	-	+	CO 039 I	<0.045		-	<0.044
The column Column	y t-buty ether	-		1	<0.035J		\vdash	-0.039.1	CO.045	-		<0.0443
Court Cour	ylberzene	2210	1870	+	<0.035	_	-	20 039 1	70.045		_	<0.044
Control	achiorobutadiene			+	-		H	20.039.1	0.045	+		<0.044J
Column C	exanone		1	-			-	+	0.077	\dashv		c0.044J
Column C	ropylbenzene		-			-	-	+	-0.045 -0.45	-		0.044
ne -	upropyletner				+	-	-	<u> </u>	+	+		<0.44J
10000 100000 100000 100000 100000 100000 10000 10000 10000 10000 10000 10000 10000 10000	The optionalise	-			+	+			1	+	+	:0.044J
Color Colo	W isobuild kotoss	10000	10000	-	+	1	-			+	+	0.044.
28 13 275 <0.135 <0.0471 <0.038J <0.045 <0.045 <0.045 325 245 1710 0.020J <0.035	W tert-hird other	ı		+	+	-		-	+	1	+	0.044.1
28 13 275 <0.173 <0.0473 <0.038J <0.0456 <0.046 <0.040 <0.040 325 245 1710 0.020J <0.035	Were chloride			-		+			-	-	1	:0.44.)
225 245 1710 0.020J <0.035 <0.047J <0.039J <0.045 <0.040 0.18	hthalene	28	13		-	+	+				+	0.44
40.039J 40.046 <0.040 0.18		325	245	-	-	+	+			-	+	0.0440
	lds (212179.02)					-	\dashv	-			+	1044

MEDEP Brownfields (212179.02) FINAL E.Perry Environmental Site Assessment

	1			a	B-9	SS-1	SS-2	SS-3	SS-4	88.6	SS-8
	Maine	Maine	Maine	20000000	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2000
	RAGs	RAGS	RAGS	04/28/2003	0.4#	0-4 ft	04 ft	0.4 #	0-4#	0-4 #	1 0
	Adult Worker	Residential	respasser	11 4	200	<0.65	<0.58	C0.57	<0.55	<0.56	50.03
o Dickionophanoi	1	1	i	<0.28	3 5	20.65	<0.58	<0.57	6.55	<0.56	<0.59
A,O-LOS BOLD DE LOS BOLD BOLD BOLD BOLD BOLD BOLD BOLD BOLD		1	1	<0.28	20.02	300	-0 58	<0.57	<0.55 0.55	<0.56	<0.59
Dietnyi pitulataka	-	i	ļ	<0.28	<0.53	200	<0.58	<0.57	<0.55	<0.56	<0,59
Dineuly participate	,		ł	<0.28	60.53	20,02	63 0	50.67	<0.55	<0.56	-0.59 -0.59
2,4-Dimethylphenoi		Į	1	<0.28	<0.53	<0.0>	00.00	12.07	-0.5F	40.56	<0.59
Di-n-butyl phthalate			!	<0.28	<0.53	<0.65	86.05	0,0	3 6	92.05	69.00
4,6-Dinitro-2-methylphenol	į			<0.28	<0.53	<0.65	<0.58	/6.0>	300	20.58	40,59
2,4-Dinitrophenol	-			<0.28	\$0.53	Q.85	<0.58	Jons.	300	8900	65.05
2.4-Dinitrotoluene	1	1		80.05	<0.53	<0.65	<0.58	40,57	QC.05	3 5	9
2 & Dinitrotoluene	1	1		07.0	70 E3	<0.65	<0,58	<0.57	0.55	96,05	60.03
Ti a cond-phibalata		1	1	\$0.28	2000	- W	6.	0.42	2	0.33J	4,1
UFII-OCYCLOTHERES		1	1	1.1	<0.03	20 0	65 05	<0.57	<0,55	0.56	\$0.59 \$0.59
- Horannena		i	1	<0.28	<0.53	3	89.0	<0.57	<0.55	<0.56	<0.59
Fluorene			I	<0.28	Q.53	\$0.00		70 87	55.05	<0.56	<0.59
Hexachlorobenzene			1	<0.28	<0.53	<0.65	SC.05	200	3 0	AD 5.6	<0.59
Hexachlorocyclopentadiene				<0.28	<0.53	<0,65	Q,58	/c''D/	200	20 66	0.52
Hexachloroethane	•	1		0.50	0 53	0.50	<0.58	<0.57	0.28.)	00.00	2000
Indeno(1.2.3-cd)byrene	1	1	Į	20.00	8 6	0.65	<0.58	<0,57	<0.55	99,05	60,0
and a second	1	1	ļ	20.70	2 6	29.65	85.05	<0.57	<0.55	<0.56	86.0
Southful descriptions	1	1	Live	\$7.0×	80.05	48.07	S 02	<0.57	<0.55	<0.56	<0.59
Z-Westigniegh unabend	1	ŀ	1	<0.28	50.05	300	<0 68	<0.57	<0.55	<0.56	<0.59
Z-Methylanana	i	1	1	<0.28	50.53	3	82.0	<0.57	<0,55	0.56	<0.59
3&4-Methylphenoi			144	<0.28	<0.53	00.00	87.6	<0.57	<0.55	<0.56	<0.59
2-Nitroanithe		1	1.	<0.28	<0.53	C0.05	5,0	CO 57	<0.55	<0.56	<0.59
3-Nitroanline		-	1	<0.28	<0,53	Q.D.	9000	20 57	40.55	<0,56	<0.59
4-Nitroanline			-	<0.28	<0.53	<0.65	50.08	200	<0.55	<0.56	<0.59
Nitrobenzene		784		<0,28	<0.53	<0.65	60.00		0.55	<0.56	<0.59
2-Nitrophenol		-	1	<0.28	<0.53	69,05	80.0	2000	C 155	<0.56	<0,59
4-Nitrophenol		 -		<0.28	<0.53	<0.65	800	500	20 EB	A0.56	€9.0>
n-Nitrosodimethylamine			1	<0.28	<0.53	<0.65	20.58	200	200	AD 56	<0.59
n-Nitrosodiphenylamine	-		1	<0.28	<0.53	<0.65	82.09	20.07	3	20.5	<0.59
n-Ntroso-di-propylamine		•	2	<0.28	<0.53	<0.65	Q.58	40.5	000	84 07	0.78
Pentachlorophenol	2	-	-	0.59	<0.53	1.1	0.59	<0.57	4.1	0000	20.50
Phenanthrene	1	i		S0 28	<0.53	<0.65	<0.58	<0.57	CC:33	00.0	4.2
Phenol	1	1	1	-	65.05	4.5	-	0.35J	1.5	0.383	2,50
Pyrene	-	1		, C. C.	0.53	<0.65	<0.58	<0.57	CC'(D)	00.00	500
Pyridine		1		800	\$0.53	<0.65	<0.58	<0.57	<0.55	90'02	800
2 3.4.6-Tetrachlorophenol	*****	1	5	100	<0.53	<0.65	<0.58	<0.57	<0.55	20.38	9 9
2,4,5-Trichlorophenol		1	1	80,65	<0.53	. <0.65	£9'0>	<0.57	<0.55	40.56	のでのと
2,4,6-Trichlorophenol	Supplied to the supplied to th	A PROPERTY OF STREET									
PGB9(mg/kg)			00	<0.15	<0.017	<0.020	<0.17	40,047		9 6	81.02
Aroclor 1018	4.0	-		<0.15	<0.017	<0.020	4.17	\$0.01	7 5	2 6	<0.18
Aroclor 1221				<0.15	<0.017	<0.020	\$0.17	<0.037	2 2	2 6	<0 18
Aroclor 1232	1			<0.15	<0.017	<0.020	<0.17	40.047	} 	9 9	20.00
Aroclor 1242	-	-	!	50.55	<0.017	<0.020	<0.17	<0,017	A.17	20,10	000
Aroclor 1248	1	1	1	2 79	0.079	<0.020	1,2	0.64	2.6	-	80'0
Aroctor 1254	1		_	1080	0.059	<0.020	0,64	0,53	1,3	0.54	7.5
Aroclor 1260	****	1	_	22	0.138	2	1.84	1.17	12.01	1.04	2.10:
Total PCBs	7.2	2.2	5.1								ASEC
Totalinorganie Analytes (mg/kg) have				6410	9510	9060	12500	10800	246	040	A A
Aluminum	1			1.7	1.0B	2.1	15.8	161	1.14	200	海型型外域的
Antimony	1 8	1 5	8	7.6	8.7	J. 2 (13/2)	報告記言では日本	12021		70 Surface Page 1	96.8
Arsenic	3000	2000	10000	34.8	31,9	332	269	795	718	78.0	0.33
Barium	nnnı	-	15	0.33	0.40B	0.57	0.27	U.Z./	2.5	1,3,3	
Beryffum	2	3									Wo

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Table 4-2 Woodard & Curran Summary of Lancaster Street Soil Results E. Perry Site, Portland, Maine

						66.4	2.55	55-3	SS-4	222	8
	Africa	Maine	Maine	88	P.	-00	1000000	04/28/2005	04/28/2005	04/28/2005	04/28/2005
	A III		900	04/29/2005	04/28/2005	04/28/2005	04/28/2003	200	4 7 0	4	0-4#
	RAGs	KAGS	3	4	477	0-4 ft	6 ₽	다. 보 수	The second		10
	Adult Worker	Residential	Trespasser	1	5		145.054	6.6	(42.0	0.84	1
		2.6	35	0,16	0.236	<u>1.</u>	British Company	9499	8050	2600	1540
Sadmium	527	121		1560	1820	20100	2002	0010	7	25.1	35.9
	Ī	Ţ		2000		+ 55	144	20500	ec.	.,,	
Salcium		 -	1	15.9	53	.55	100	146	15.7	7.8	5.8
hromium	1			4.8	4.8	7.7	Jb. /	CANADA CONTRACTOR	San San San San San San San San San San	85.2	321
L 12	1	1	ļ		699	149	(3,000)	2.69	noon	3	00000
Coosic	000	850	909	39.0	10.4		000377	JORDIO	134000	16100	2/000
Copper	200			14600	13000	3/300	00001	COLUMN TO A SECOND	THE PARTY NAMED IN	211	1999
gg		:		000	15.2	333	123.10		The state of the s	0007	3080
	700	375	92	231		0820	12600	1540	2640	4200	
ead		-	į	2410	3470	7,500	20071	0000	843	281	533
#agneslum				159	160	424	1/9	777	3.6	0.24	0.56
Approachese	-	1		1	<0.017	0.46	3.3	£	23	8	18.
	610	8	320			57.2	231	(8700)	122	*	
ercury	40000	3800	10000	12.9	7:01	2:19	4090	743	1180	1260	7,000
Nickel	20001	 -		1250	1530	1260	33		687	Q0 40	6.0
Potassium	1	-	0.00	35 00	<0.40	6 5.3	45.4	4		1,0	\$0.22
11.	10000	920	3350	3	17 47	0.31	3.2	2.1	1,2		Į.
Sejemum	40000	920	2350	8	7		4440	135	1630	49.7	//[
Silver	COOK			156	147B	324	2	4	8.2	<0.61	•
Sodium	1			SO 78	<0.61	1.5	0.0	0	7 56	10.7	24.9
Pholibica	1			7 47	17.4	25.9	27	113	32.1		2471
Tanna in the same	1	1	1	4.01		10101	1897013	14890	15100ld	(44.	2/17
Vanadium	4500	1500	1500	126	31.7		200	0.013	6.0	0.013	cLO.O
Zinc	200			0.011	0.008	0.024	0,015				
Total solids	-)									

Units in miligrams per kilogram (mg/kg)
RAGs = Remedial Action Guideline
< = not detected at reporting limit
[] = above criteria
B or J = estimated
R = rejected
R = rejected
- = not analyzed or not available

	Maine	Maine	Maine	5	0	, 68			ı		
	RAGS	RAGs	RAGs	04/29/2005	04/28/2008	- 2	SS-2	SS-3	SS-4	58-5	9 33
2 8-Dichlorophanat	Adult Worker	Residential	Trespasser	0-4#	0.44	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04728/7005
minus priend	1			1000	# 45	0-4 ft	\$	44	L	207	14/20/20US
Dietnyl phthalate	1			<0.28	<0.53	<0.65	<0.58	×0 87	3	± 45	2
Dimethyl phthalate			1	<0.28	<0.53	<0.65	<0.58	1.50	66,05	<0.56	<0.59
2,4-Dimethylphenol			-	<0.28	<0.53	<0.65	<0 58	1000	40.55	<0.56	<0.59
Di-n-butyl phthelate		1	1	<0.28	<0.53	<0.65	20.00	/0.0/	<0.55	<0.56	<0.59
4,6-Dinitro-2-methylphenol		!	1	<0.28	0.53	<0 65	900	50.57	\$3.55	<0.56	<0.59
2,4-Dirithophenol	į	1	7	<0.28	<0.53	CO BE	00.00	<0.57	<0.55	<0.56	<0.59
2.4-Dinitrotoli iene	1	1	ı	40.28	25 05	300	20.38	<0.57	0.55	40.56	A 65
2 & Dirthologoan	í	!	1	AC 028	200	60.00	<0.58	<0.57	40.55	<0.56	3 6
Dir cotta the	1	1		90 00	20.00	3	<0.58	<0.57	<0.55	CO 58	
Zrirociyi-primalate	1	1]	07.0	60.03	<0.65	<0.58	<0.57	<0.55	200	200
riudianmene	1			07.0	<0.53	<0.65	40.58	<0.57	200	800	<0.59
riuorene				1,1	<0.53	9:	-	0.451	3	40.56	€0.59
Hexachlorobenzene			1	<0.28	<0.53	<0.65	2000	0.460	2	0.33J	4.
Hexachlorocyclopentadione		1	í	<0.28	\$0.53	200	0.38	<0.57	<0.55	<0.56	<0 Pp
Herschloroethone	***	1	i	<0.28	62 07	00.0	50.39	<0.57	<0.55	<0.56	0207
Indoord of a	1	1	1	80.07	00.00	<0.65	<0.58	<0.57	<0.55	20 Se	80.07
ndeno(1,4,3-cd)pyrene	-			20.20	<0.63	<0.65	<0.58	<0.57	SO EFF	00.00	<0.59
Isophorone				0.52	<0.53	0.50J	<0.58	72 02		90,05	<0.59
2-Methylnaphthalene		1		€0.28	<0.53	<0.85	62 07		0.287	<0.56	0.52
2-Methylphenol	1	-	1	<0.28	<0.53	40 AE	8 6	<0.5/	<0.55	<0.56	<0.59
3&4-Methylphanai	1	,	1	<0.28	O 53	300	8 :	<0.57	40.55	<0.56	A0 50
2-Nitroanitios	1	1	1	<0.28 <0.28	200	00.00	<0.58	<0.57	<0.55	<0.56	02/02/
2. Nitropolitas	i	1	1	SC 02	0000	cg.ns	<0.58	<0.57	<0.55	<0.56 40.56	300
4-Nitropalia	1		-	SO 02	200	40.85	<0.58	<0.57	<0.55	85.65	8
Handon Mills	ł	ļ	1	90, 00	50.03	<0.65	<0.58	<0.57	<0.55	8 00	80.0
מומספוקפוופ	Ī	j	-	200	20.03	<0.65	<0.58	<0.57	<0.55	040/	80'0'
C-Ivid Opneno)	1	1		07.0	0.53	<0.65	<0.58	<0.57	25 65	00.00	<0.59
4-Nitrophenol	i		1	<0.28	<0.53	<0.65	<0.58	<0.57	350	×0.56	<0.59
n-Nitrosodimethylamine		 	-	<0.28	<0.53	<0.65	<0.58	150	50.05	<0.56	& 85.59
n-Nitrosodiphenylamine			1	<0.28	<0.53	<0.65	<0.58	<0 57	0.00	<0.56	<0.59
n-Nitroso-di-propylamine			1	<0.28	<0.53	<0.65	<0.58	7500	66.93	<0.56	<0.59
Pentachlorophenol	-		1	<0.28	<0.53	<0.65	<0.58	1300	VI.35	<0.56	<0.59
Phenanthrene		-	2.4	<0,28	<0.53	<0.65	SO SB	10.00	\$0.55	<0.56	<0.59
Phenol		-	1	0.59	<0.53	1,1	250	10.07	<0.55	<0.56	<0.59
Pyrene		1	1	<0.28	<0.53	<0.65	50 CS	10.07	44	<0.56	0.78
Pyridine		-	1	-	<0.53	1.4	200	10.07	<0.55	<0.56	<0.59
2,3,4,6-Tetrachlorophenol		1	-	<0.28	<0.53	<0.65	- CO - CO - CO - CO - CO - CO - CO - CO	0.35	1.5	0.39J	1,3
2,4,5-Trichlorophenol		i]	<0.28	<0.53	<0.65	<0.58	10.00	<0.55	<0.56	40.59
2,4,6-Trichlorophenoi		1	1	<0.28	<0.53	<0.65	00.00	<0.5/	<0.55	<0.56	60.59
Robsilinging)				<0.28	<0.53	20.65	82.00	<0.57	<0.55	<0.56	<0.59
Aroclor 1018							_		~0.56	<0.56	65.05
Araclar 1221		r.	0.2	<0.15	<0.017	<0.020	<0.17	1207			
Aroclor 1232			ı	<0.15		<0.020	20.17	15.05	\r.ui	<0.18	<0.18
Aroclor 1242			1	<0.15		<0.020	50 17	1000	4.17	<0.18	<0.18
Araclor 1248		1	i	<0.15	_	<0.020	1400	1000	<0.17	<0.18	0.18
Arocior 1254		+	1	<0.15	-	CO.020	100	40.017	<0.17	<0.18	<0.18
Arocior 1260			-	0.43	\perp	$\frac{1}{1}$	100	50.017	<0.17	<0.18	40.18
Total PCBs	7.2		1	0.800	0.059	+	3 0	0.04	2.6	+	0.69
Total Diorganic analytis (more)	2:)	Z.Z	0.1	1.23	-	QN	200	20.53	1,3	-	1.5
Aluminum							ALCONO.		18-61		2.19.
Antimony	1	1	1	6410	9510	0906	12500	586			
Arsenic	30	Ę	1 8	1.7			+	161	47.4		8350
Barium	10000	4000	30	7.6	8.7	fi3.2]		126.01	41.1		4.4
Berytlum	40	4	10000	27.8				362	077	1970	63.1
100 (2124 40 00)			2	0.33	0.408	0.57	0.27	0,27	90	1	99.8
Commercia (2.12.) (9.02)									\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	0.33

MEDEP Brownfelds (212179.02) FINAL E.Perry Environmental Site Assessment

Table 4-3 Woodard & Curran Summary of Somerset Street Groundwater Results E.Perry Site, Portland, Maine

		MW-A	MW-B	MW-C MW-C	MW-D MW-D	MW-E
	MEG	MW-A	MW-B	05/02/2005	05/02/2005	
Volatile Organic Compounds	MEG	03/02/2003	03/02/2003			
Voiatrie Organic Compountes Acetone	700	<10	<10	13	<10	28
Renzene	12	<2	<2	<2	<2	[28]
3romoberizene		<2	<2	<2	<2	<2
Bromochloromethane	10	<2	<2	<2	<2	<2
Bromodichloromethane	6	<2	<2	<2	<2 <2	<2
Bromoform	44	<2	<2	<2	<2	√2
Bromomethane	10	<2	<2 <20 .	<2 <20	<20	15J
ert-Butyl alcohol		<20	<20 .	<2	<2	<2
n-Butylbenzene		<2 <2	<2	<2	<2	<2
sec-Butylbenzene		<2	<2	<2	<2	<2
tert-Butylbenzene		<2	<2	<2	<2	<2J
Carbon disulfide	3	<2	<2	<2	<2	<2
Carbon tetrachloride		<2	<2	<2	<2	<2
Chlorobenzene		<2	<2	<2	<2	<2J
Chloroethane	57	<2	<2	<2	<2	<2
Chloroform	3	<2	<2	- - - - - - - - - -	<2	<2.j
Chloromethane	140	₹2	<2	<2	<2	<2
2-Chlorotoluene	140	<2	<2	<2	<2_	<2
4-Chlorotoluene 1,2-Dibromo-3-chloropropane		<2	<2	<2	<2	<2
1,2-Dibromo-3-chioroproparie Dibromochloromethane	4	<2	<2	<2	<2	<2
1,2-Dibromoethane	0.004		<2	<2	<2	<2
	0.004	<2	<2	<2	<2	<2
Dibromomethane 1.2-Dichlorobenzene	63		<2	<2	<2	<2
1,3-Dichlorobenzene	60	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	21	<2	<2	<2	<2	<2
Dichlorodifluoromethane	1400		<2	<2	<2	<2
1,1-Dichloroethane	70	<2	<2	<2	<2	<2_
1,2-Dichtoroethane	4	<2	<2	<2	<2	<2
1,1-Dichloroethene	0.6	<2	<2	<2.	<2	<2J
cis-1,2-Dichloroethene	70	<2	<2	<2	<2	<2
trans-1,2-Dichloroethene	140	<2	<2	<2	<2	<2
1,2-Dichloropropane	5	<2	<2	<2	<2_	<2
1,3-Dichloropropane		<2	<2	<2	<2	<2
2,2-Dichloropropane		<2	<2	<2	<2	<2
1,1-Dichloropropene		<2	<2	<2	<2	<2
cis-1,3-Dichloropropene		<2	<2	<2	<2	<2
trans-1,3-Dichloropropene		<2	<2	<2	<2	<u><2</u> <2√J
Diethyl ether		<2J	<2√	<2J	<2J	<2 <2
Ethyl t-butyl ether		<2	<2_	<2	<2 <2	1J
Ethylbenzene	. 70	<2	<2	<2	< <u>2</u>	<2J
Hexachlorobutadiene	4	<2_	<2	<2	<10	<10
2-Hexanone				<10	<2	<2
Isopropylbenzene			<2	<2 <2	<2	<2
di-Isopropylether			<2		<2	<2
p-Isopropyltoluene	70		<2	<2 <10J		
Methyl ethyl ketone	144		<10.3	<103 <10	<103	<10
Methyl isobutyl ketone		<10	<10	2	<2	4 997
Methyl tert-butyl ether	35		<2 <5	<u>2</u> <5	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<5
Methylene chloride	47			-\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<2	<2
Naphthalene	14		<2 <2	<2	<2	<2
n-Propylbenzene		- <2		-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	<u>√∠</u> <2	<2
Styrene	14		<2 <2	-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	<2	11
Tert-amyl methyl ether		- <2		-\-\-\\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\	<2	<2
1.1.1.2-Tetrachloroethane	1:		<2 <2	- \ \ \ <2	<2	<2
1,1,2,2-Tetrachloroethane	1.			-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	<2	<2
Tetrachloroethene	7		<2	< <u><</u> <	<5	<5
Tetrahydrofuran	7		<5	<2	<2	<2
Toluene		00 <2	<2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	<2	<2
1.2.3-Trichlorobenzene		- <2	<2	<2	<2J	
1,2,4-Trichlorobenzene		0 <2	<2	<2 <2		
1.1.1-Trichloroethane		00 <2	<2	<2		
1.1,2-Trichloroethane		6 <2				
	1 3	2 <2				
Trichloroethene						
Trichloroethene Trichlorofluoromethane 1,2,3-Trichloropropane	20	000 <2 05 <2				

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Table 4-3 Woodard & Curran Summary of Somerset Street Groundwater Results E.Perry Site, Portland, Maine

		MW-A	MW-B	MW-C	MW-D	MW-E MW-E
		MW-A	MW-B	MW-C	MW-D	
	MEG			05/02/2005	<2	<2
1,3,5-Trimethylbenzene		<2	<2	<2 <2	<u>~2</u>	<2
/inyl chloride	0,2	<2	<2 <2	<2	- \(\frac{7}{2}\)	10
m&p-Xylene		<2	<2	<2	<2	<2
p-Xylene		<2 ND	ND	ND	ND	10
Total Xylenes	14000	UV.				2 4 5
Semi Volatile Organic Comp	ouness					<2
3-Nitroaniline		<2	<2	<2	<2	<2
Acenaphthene		<2	<2	<2	<2	<2
Acenaphthylene				h		<2
Aniline		<2	<2	<2	<2	<2
Anthracene		<2	<2	<2	<2	<2
Azobenzene		<20J	<20J	<20J	<20J	<20R
Benzidine Benzo(a)anthracene		<2	<2	<2	<2	<2
Benzo(a)pyrene	0.05	<2	<2	<2	<2	<2
Benzo(b)fluoranthene		<2	<2	<2	<2	<2
Benzo(g,h,i)perylene						<2
Benzo(k)fluoranthene		<2	<2	<2	<2	<2
Benzoic acid		<10	<10	<10	<10J	<10J
Benzyl alcohol		<5	<5	<5	<5J	<5J <2
bis(2-Chloroethoxy)methane		<2	<2	<2	<2	< <u><2</u>
bis(2-Chloroethyl) ether	0.3	<2	<2	<2	<2	<2
bis(2-Chloroisopropyl)ether	300	<2	<2	<2	< <u>2</u> <2	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
his(2-Ethylhexyl) phthalate		<2	<2	6 <2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	<2
4-Bromophenyl phenyl ether		<2	<2	<2	 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<2
Butylbenzyl phthalate		<2_	<2			<2
Carbazole			<10	<10	<10J	<10J
4-Chloro-3-methylphenol		<10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			<2
4-Chloroaniline						<2
2-Chloronaphthalene			<5	<5	<5J	<5J
2-Chlorophenol	35	<5	 <2	<2	<2	<2
4-Chlorophenyl phenyl ether		<2				<2
Chrysene						<2
Dibenzo(a,h)anthracene						<2
Dibenzoluran		<20	<20	<20	<20	<20
3,3'-Dichlorobenzidine	21	<5	<5	<5	<5J	<5J
2,4-Dichlorophenol	- 21	<5	<5	<5	· <5J	<5J
2,6-Dichlorophenol	500		<2	<2	<2	<2
Diethyl phthalate Dimethyl phthalate			<2J	<2J	<2J	<2J
2,4-Dimethylphenol		<5	<5	<5	<5J	<5J
Di-n-butyl phthalate	700) <2	<2	<2	<2	<2
4,6-Dinitro-2-methylphenol	****	<5	<5	< 5	<5J	<5J
2,4-Dinitrophenol	14	<5	<5	<5	<5J	<5J
2,4-Dinitrotoluene	3.0		<2	<2	<2	<2
2,6-Dinitrotoluene	0.5	5 <2	<2	<2	<2	<2
Di-n-octyi-phthalate			<2	<2	<2	- ,<2 - <2
Fluoranthene -		- 474				<2
Fluorene	_			_ = =	<2	<2
Hexachlorobenzene	0.3		<2	<2 <2	<2	<2
Hexachlorocyclopentadiene	5 50		<2	<u> </u>		<2
Hexachloroethane	7	<u> </u>				<2
Indeno(1,2,3-cd)pyrene						<2
Isophorone	37					<2
2-Methylnaphthalene				<5	<5J	
2-Methylphenol	=		<5 <5	<5	<5J	
3&4-Methylphenol	=	<5 				<2
2-Nitroaniline			_			<2
4-Nitroaniline	- -		<2		<2	<2
Nitrobenzene	3	.5 <2 - <5			<5.	J <5J
2-Nitrophenol		- <5 60 <5				J <5J
4-Nitrophenol						<2
n-Nitrosodimethylamine						<2
n-Nitrosodiphenylamine						<2
n-Nitroso-di-propylamine		3 <10) <10	
Pentachlorophenol Phenanthrene						
:⊬nenanmene		000 <5		< 5	<5	J <5.

Table 4-3 Woodard & Curran Summary of Somerset Street Groundwater Results E.Perry Site, Portland, Maine

	-	Perry Site,	Poπland, N	laine		
	MEG	MW-A MW-A	MW-B	MW-C	MW-D	14144 ==
Volatile Organic Compou	nds (ug/L	03/02/200	0 05/02/200	05/02/200	5 05/02/20	MW-E 05 04/29/200
Acetone	700	<10	<10	13	<10	
Benzene	12	<2	<2	<2	<2	28 [28]
Bromobenzene Bromochloromethane		<2	<2	<2	<2	<2
Bromodichioromethane	10	<2	<2	<2	<2	<2
Bromoform	6 44	<2 <2	<2	<2	<2	<2 ↔
Bromomethane	10	<2	<2	<2	<2	<2
tert-Butyl alcohol		<20	<20	<2 <20	<2	<2
n-Butylbenzene		<2	<2	<2	<20 <2	153
sec-Butylbenzene tert-Butylbenzene		<2	<2	<2	<2	< <u>2</u> <2
Carbon disulfide		<2	<2	<2	<2	<2
Carbon tetrachloride		<2	<2	<2	<2	<2J
Chlorobenzene	3	<2	<2	<2	<2	<2
Chloroethane		<2 <2	<2	<2	<2	<2
Chloroform	57	<u>\^2</u>	<2 <2	<2	<2	<2J
Chloromethane	3	<2	<u></u> 2	<2	<2	<2
2-Chlorotoluene	140	<2	<u>``</u> 2	<2 <2	<2 <2	<2J
4-Chlorotoluene	140	<2	<2	<2	<2	<2 <2
1,2-Dibromo-3-chloropropan- Dibromochloromethane		<2	<2	<2	<2	<2
1,2-Dibromoethane	4	<2	<2	<2	<2	<2
Dibromomethane	0.004	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	63	<2 <2	<2	<2	<2	<2
1,3-Dichlorobenzene	60	<2	<2 <2	<2	<2	<2
1,4-Dichlorobenzene	21	<2	<u></u>	<2	<2	<2
Dichlorodifluoromethane	1400	<2	<2	<2 <2	<2	<2
1,1-Dichloroethane	70	<2	<2	<2	<2 <2	<2
1,2-Dichloroethane	4	<2	<2	<2 ⋅	<u>>2</u> -<2	<2 <2
1,1-Dichloroethene cis-1,2-Dichloroethene	0.6	<2	<2	<2.	- \2	<2J
rans-1,2-Dichloroethene	70	<2	<2	<2	<2	<2
1,2-Dichloropropane	140	<2	<2	<2	<2	<2
,3-Dichloropropane		< <u>2</u>	<2	<2	<2	<2
,2-Dichloropropane	 	₹2	<2 <2	<2	<2	<2
,1-Dichloropropene	т	<2	<2	<2 <2	<2	<2
is-1,3-Dichloropropene		<2	<2	<2	<2	<2
rans-1,3-Dichloropropene		<2	<2	<2	<2 <2	<2
Diethyl ether	,r	<2J	<2J	<2J	<2J	<2 <2J
thyl t-butyl ether thylbenzene	 = 	<2	<2	<2	<2	<2
lexachlorobutadiene	70	<2 <2	<2	<2	<2	1J
-Hexanone		<10	<2	<2	<2	<2J
sopropylbenzene		<2	<10 <2	<10	<10	<10
-Isopropylether		<2	<2	<2	<2	<2
-Isopropyitoluene	70	<2	<2	<2 <2	<2 <2	<2
lethyl ethyl ketone	1440	<10J	<10J	<10J	<10J	.<2 8J
lethyl isobutyl ketone lethyl tert-butyl ether		<10	<10	<10	<10	<10
ethylene chloride	35	<2	<2	2		[97]
aphthalene	47 14	<5	<5	<5	<5	<5
Propylbenzene	14	<2 <2	<2	<2	<2	<2
yrene	140	<2	<2 <2	<2	<2	<2
ert-amyl methyl ether		<2	<2	<2 <2	<2	<2
1,1,2-Tetrachloroethane	13	<2	<2	<2	<2 <2	11
1,2,2-Tetrachloroethane	1.8	<2	<2	<2	<2	<2 <2
trachloroethene	7	<2	<2	<2	<2	<2
trahydrofuran luene	70	<5	<5	<5	<5	<5
2,3-Trichlorobenzene	1400	<2	<2	<2	<2	<2
2,4-Trichlorobenzene	70	<2 <2	<2	<2	<2	<2
,1-Trichloroethane	200	<2	<2	<2	<2J	<2
,2-Trichloroethane	6	<2	<2 <2	<2	<2	<2
chloroethene	32	<2	<2	<2	<2	<2
	2000	<2	<2	<2	<2 <2	<2 <2
,3-Trichloropropane	0.05	<2				~4
,4-Trimethylbenzene		<2J	<2	<2	<2	<2

Table 4-3 Woodard & Curran Summary of Somerset Street Groundwater Results E.Perry Site, Portland, Maine

	T - I	MW-A	MW-B	MW-C	MW-D	MW-E
		MW-A	MW-B	MW-C	MW-D	MW-E
	MEG	05/02/2005	05/02/2005	05/02/2005	05/02/2005	04/29/2005
Directo	1020.0					<2
Pyrene Pyridine						<2
2,3,4,6-Tetrachlorophenol		<5	<5	<5	<5J	<5J
2,3,4,0-Tellacillotophenoi		<5	<5	<5	< 5J	<5J
2,4,5-Trichlorophenol	32	< 5	<5	<5	<5J	<5J
2,4,6-Trichlorophenol			350 H 31 S 45		Mark Service	
PCBS(ug/L)		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1016		<0.2	<0.2	<0.2J	<0.2	<0.2
Arocior 1221		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1232		<0.2	<0.2	<0.2√	<0.2	<0.2
Aroclor 1242		<0.2	<0.2	<0.2J	<0.2.	<0.2
Aroclor 1248		<0.2	0.23	<0.2J	<0.2	<0.2
Aroclor 1254		<0.2J	<0.2J	<0.2J	<0.2J	<0.2J
Aroclor 1260	0.5	ND	0.23	ND	ND	ND
Total PCBs			0.20			100
DissolvedUnorganic/Analy	tes (ug/c	<88.0	<88.0	<88.0	<88.0	192
Aluminum	1430			<4.1	<4.1	<8,3
Antimony	3_	[6.6]B.	<4.2	<4.2	<4.2	<4.5
Arsenic	10		196B	45,4B	109	175
Barium	2000		<0.20	<0.20	<0.20	<0.30
Beryllium		<0.29U	2.2B	<0.60	<0.60	<0.80
Cadmium	3.5	1.8B	65700	60100	82900	52100
Calcium		82200	<1.2	<1.2	<1.2	<2.5
Chromium	40	<1.2	<2.7	<2.7	<2.7	<3.7
Cobalt		3.8B	3.9B	3.5B	<2.6	<4.2
Copper	1300		38.9B	<37.9	2060	29800
Iron		87.5B		<2.9	<2.9	7.6
Lead	10	<2.9	3.2	86900	18300	10800
Magnesium		17000	7880	785		
Manganese	500		396		<0.10	<0.10
Mercury	2	<0.10	<0.10	<0.10	5.7	6.8
Nickel	140		10.7B	11.0B 72600	21600	17100
Potassium		9510	2860B		<4.2	<3.8
Selenium	35	<4.2	<4.2	<4.2	<1.8	<3.7
Silver	35	<1.8	<1.8	<1.8	1.0 30 20000000	
Sodium		0 [27500]		Walaning A	// ///////////////////////////////////	2 (134600) <8.5
Thallium	0.5		<6.4	<6.4	<0.4	<4.3
Vanadium		<2.7	<2.7	<2.7		58.9
Zinc	200	0 631	475	35.2	87.9	20,9

Units in micrograms per liter (ug/l)
MEG = Maximum Exposure Guideline
< = not detected at reporting limit
[] = above criteria
B or J = estimated
R = rejected
U = revised to nondetect

			:
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Table 4-4
Woodard & Curran
Summary of Lancaster Street Groundwater Results
E.Perry Site, Portland, Maine

			E.Fen	y Site,	. 01110	ilu, Maiss		T		NA4 0 1	MW-9	MW-9	
	<u> </u>	MW-11	MW-3	MV		MW-5	MW-6	MW		MW-8 5/02/05	05/03/05	05/03/0	
		05/03/05	05/03/0			05/02/05	05/02/05	05/03	-	rimary	Primary	Duplica	
	MEG	Primary	Primary	Dupl	icate	Primary	Primary	Prima	ary r	See See See			
Alatilis (diganis Compounds (u	0711						<10	<1	n	<10	<10	<10	
cetone	700	<10	<10		10	22 <2	<2	1 <2		2	<2	<2	
enzene	12	<2	<2		2	< <u>2</u>	<2	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \		<2	<2	<2	
Bromobenzene		<2	<2		2		<2	<		<2	<2	<2	
Promochloromethane	10	<2	<2		<2	<u><</u> 2	<2	+ <		<2	<2	<2	
Bromodichioromethane	6	<2	<2	I	<2	<u>\2</u> <u>\2</u>	<2	<		<2	<2	<2	
Bromoform	. 44	<2	<2		<2	<2	<2	<		<2	<2	<2	
3romomethane	10	<2	<2		<2	<20	<20		20	10J	<20	<20	1
ert-Butyl alcohol		<20	<20		20	<2	<2	1	2	<2	<2	<2	
n-Butylbenzene		<2	<2		<2	<2	<2		2	<2	<2	<2	
sec-Butylbenzene		<2	<2		<2	<2	<2		2	<2	<2	<2	
ert-Butylbenzene		<2	<2		<2	<2	<2		2	<2	<2	<2	
Carbon disulfide		<2	<2		<2	<2	<2		:2	<2	<2	<2	,
Carbon tetrachloride	3	<2	<2		<2		<2		2	<2	<2	<2	
Chlorobenzene		<2	<2		<2	<2	<2		<2	<2	<2	<2	
Chioroethane		<2	<2		<2	<2	<2		<2	<2	<2	<2	2
Chloroform	57	<2	<2		<2	<2	<2		<2	<2	<2	<2	
Chloromethane	3	<2	<2		<2	<2 .	<2		<2	<2	<2	<2	
2-Chlorotoluene	140	<2	<2		<2	<2	<2		<2	<2	<2	<2	
4-Chiorotoluene	140	<2	<2		<2	<2	<2		<2	<2	<2	<2	2
1,2-Dibromo-3-chloropropane	0.25		<2		<2	<2	<2		<2	<2	<2	<	
Dibromochloromethane	4	<2	<2		<2	<2	< <u><2</u>		<2	<2	<2	<:	2
1,2-Dibromoethane	0.00	<2	<2		<2	<2			2 2	<2	<2	<	2
Dibromomethane		<2			<2	<2	<2	1	<2	<2	<2	<	2
1,2-Dichiorobenzene	63	<2			<2	<2	<2		<2	<2	<2	<	2
1,3-Dichlorobenzene	60	<2	<2	!	<2	<2	<2		<2	<2	<2	<	2
1,4-Dichlorobenzene	21	<2	<2	2	<2	<2	<2		<2	2	<2	<	2
Dichlorodifluoromethane	140	0 <2	</td <td>2</td> <td><2</td> <td><2</td> <td><2</td> <td></td> <td><2</td> <td><2</td> <td><2</td> <td>- <</td> <td>2</td>	2	<2	<2	<2		<2	<2	<2	- <	2
Dichlorodifuoromediate	70	<2		2	<2	<2	<2		<2	<2	- <2		:2
1,1-Dichloroethane	4	<2	<	2	<2	<2	<2			<2	<2		<2
1,2-Dichloroethane	0.6			2	<2	<2	<2		<2	<2J	<2J		2J
1,1-Dichloroethene	70			J	<2J	<2	.6		<2J	<23	<2		<2
cis-1,2-Dichloroethene	140				<2	<2	<2		<2	<2	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 		<2
trans-1,2-Dichloroethene	5	-		2	<2	<2	<2		<2	<2	<2		- 2
1,2-Dichloropropane				2	<2	<2	<2		<2		<2J		2J
1,3-Dichloropropane				2.J	<2J	<2	<2		<2J	<2J	-\-\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		~
2,2-Dichloropropane				2	<2	<2	<2		<2	<2	-\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		- 2
1,1-Dichloropropene				2	<2	<2	<2		<2	< <u>2</u>	. <2		<2
cis-1,3-Dichloropropene				2	<2	<2	<2		<2		<2		<2
trans-1,3-Dichloropropene				2	<2	<2.			<2	<2	<2		<2
Diethyl ether				2	<2	<2	<2		<2	<2	<2		<2
Ethyl t-butyl ether	 7			2	<2	<2	<2		<2	<2	-\-\-\\\\<2		2
Ethylbenzene				2	<2	<2			<2	· <2		<u> </u>	<10
Hexachlorobutadiene			·	10	<10	<10			<10	<10	<1		<2
2-Hexanone				2	<2	<2	<		<2	<2			<2
Isopropylbenzene				<2	<2	<2	. <		<2	<2			<2
dl-Isopropylether				<2	<2	<2	. <	2	<2	<2			<10
p-Isopropyltoluene				10	<10	<10		0J	<10	<10			<10
Methyl ethyl ketone				<10	<10		0 <	10	<10	<10) <1		<2
Methyl isobutyl ketone	- 1		<2	4	3	<	2	2	30	33			<u> </u>
Methyl tert-butyl ether			<5	<5	<5	<	5 <	5	<5	<5			<2
Methylene chloride			<2	<2	<2	<	2 <	2	<2	<2			- <u><2</u>
Naphthalene				<2	<2		2 <	2	<2	<2		2	~2 ~2
n-Propylbenzene			<2	<2	<2			<2	<2	<2		2	
Styrene		40	<2	<2	<u></u>			<2	2	4		2	<
Tert-amyl methyl ether			<2	<2 <2	<u></u> -<2			<2	<2	<2		2	<:
1.1.1.2-Tetrachloroethane		13	<2		- <2			<2	<2	</td <td></td> <td>2</td> <td><</td>		2	<
1.1.2.2-Tetrachloroethane		1.8	<2	<2	<u><2</u>			2	<2	<,		2	<;
Tetrachloroethene	L	7	<2	<2				<5	<5	</td <td>5</td> <td>:5</td> <td><</td>	5	:5	<
Tetrahydrofuran		70	<5	<5	<5 -0			<2	<2	<		<2	<
Toluene	1	400	<2	<2	<2			<2	<2	<	2 .	2	_ <
1,2,3-Trichiorobenzene			<2	<2	<2			<2J	<2		2 .	<2	<
1,2,4-Trichlorobenzene		70	<2	<2	<2			<2	<2			<2	<
1,1,1-Trichloroethane		200	<2	<2	<2			<2	<u>\^2</u> <2	E		<2	<
			<2	<2	<2				~_	• "			

Table 4-3 Woodard & Curran Summary of Somerset Street Groundwater Results E.Perry Site, Portland, Maine

		MW-A	MW-B	5.834 S	7	
		MW-A	MW-B	MW-C	MW-D	MW-E
	MEG	05/02/2005	DE/D2/2005	MW-C	MW-D	MW-E
Pyrene		00/02/2003	03/02/2005	05/02/200	05/02/2005	04/29/200
Pyridine	<u> </u>	==				<2
2,3,4,6-Tetrachlorophenol		<5	 <5			<2
2,4,5-Trichlorophenol		<5		<5	<5J	<5J
2,4,6-Trichlorophenol	32	<5	<5	<5	<5J	<5J
PCBs (ug/L)	32		<5	<5	<5J	<5J
Aroclor 1016		-0.0				
Aroclor 1221		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1232		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1242		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1248		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1254		<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1260		<0.2	0.23	<0.2J	<0.2	<0.2
Total PCBs		<0.2J	<0.2J	<0.2J	<0.2J	<0.2J
Dissolved (norganic Analy	0.5	ND	0.23	ND	ND	ND
Aluminum				12 de 10 m		600 PAS LANG
Antimony	1430	<88.0	<88.0	<88.0	<88.0	192
Arsenic	3	[6:6]B	<4.1	<4.1	<4.1	<8.3
Barlum	10	<4.2	<4.2	<4.2	<4.2	<4.5
Beryillum	2000	72,1B	196B	45.4B	109	175
Sadmium		<0.29U	<0.20	<0.20	<0.20	<0.30
Salcium	3.5	1.8B	2.2B	<0.60	<0.60	
Chromium		82200	65700	60100	82900	<0.80
Cobalt	40	<1.2	<1.2	<1.2	<1.2	52100
Copper		3.8B	<2.7	<2.7	<2.7	<2.5
on	1300	9.7B	3.9B	3.5B	<2.6	<3.7
ead		87.5B	38,9B	<37.9	2060	<4.2
	10	<2.9	3.2	<2.9	<2.9	29800
lagnesium		17000	7880	86900	18300	7.6
anganese	500	(513)		[785]	10300	10800
ercury	2	<0.10	<0.10	<0.10	1570	[1320]
ickel	140	19.6B	10.7B	11.0B	<0.10	<0.10
otassium		9510	2860B	72600	5.7	6,8
elenium .	35	<4.2	<4.2		21600	17100
lver	35	<1.8	<1.8	<4.2	<4.2	<3.8
odium	20000			<1.8	<1.8	<3.7
nallium	0.5	<6.4	<6.4	10100001		[134000]
nadium		<2.7	<2.7	<6.4	<6.4	<8.5
nc	2000	631		<2.7	<2.7	<4.3
ts in micrograms per liter (ug/l)	1.000	001	475	35.2	87.9	58.9

Units in micrograms per liter (ug/l)
MEG = Maximum Exposure Guideline
<= not detected at reporting limit
[] = above criteria
B or J = estimated
R = rejected
U = revised to nondetect

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Table 4-4
Woodard & Curran
Summary of Lancaster Street Groundwater Results
E.Perry Site, Portland, Maine

			E.Perry	Site, Porti	anu, mann	5				
		MW-11	MW-3	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-9
		05/03/05	05/03/05	05/03/05	05/02/05	05/02/05	05/03/05	05/02/05	05/03/05	05/03/05
	MEG	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Duplicate
nichloroethene	32	<2	<2	<2	<2	2	4	<2	<2	<2
richlorofluoromethane	2000	<2	<2	<2	<2	<2	<2	<2_	<2.	<2
2,3-Trichloropropane	0.05	<2	<2	<2	<2	<2	<2	<2	<2	<2
2,4-Trimethylbenzene		<2	<2	<2	<2	<2	<2	<2 _{i.} .	<2	<2
,3,5-Trimethylbenzene		<2	<2	<2	<2	<2	<2	<2	<2	· <2
inyl chloride	0,2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1&p-Xylene		<2	<2	<2	<2	<2	<2	<2	2 ,	2
-Xylene		<2	<2	<2	<2	<2	<2	<2	<2_	<2
otal Xylenes	14000	ND	ND	ND	ND	ND	ND	ND	ND	ND
emi-Volatile Organic Compou	105/06/									数定型的
cenaphthene		<2	<2	<2	<2	<2	<2	<2	<2	<2 <2
cenaphthylene		<2	<2	<2	<2	<2	<2	<2	<2	
niline		<2	<2J	<2			<2	<2	<2	<2
Anthracene		<2	<2	<2	<2	<2	<2	<2	<2	<2
zobenzene		<2	<2	<2	<2	<2	<2	<2	<2	<2
Renzidine		<20J	<20R	<20J	<20J	<20J	<20J	<20J	<20J	<20J
Benzo(a)anthracene	 	<2	<2	<2	<2	<2	<2	<2	<2 .	<2
Benzo(a)pyrene	0.05	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(b)fluoranthene		<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(g,h,i)perylene		<2	<2	<2			<2_	<2	<2	<2
Senzo(k)fluoranthene	†	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzoic acid		<10J	<10	<10	<10	<10R	<10R	<10R	<10	<10
Benzyl alcohol		<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
bis(2-Chloroethoxy)methane		<2	<2	<2	<2	<2	<2	<2	<2	<2
bls(2-Chloroethyl) ether	0.3	<2	<2	<2	<2	<2	<2	<2	<2	<2
bis(2-Chloroisopropyl)ether	300	<2	<2	<2	<2	<2	<2	<2	<2	<2
bis(2-Ethylhexyl) phthalate		<2	<2	<2	<2	<2	<2	<2	<2	<2
	 	<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl phenyl ether	+	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butylbenzyl phthalate		<2	<2	<2			<2	<2	<2	<2
Carbazole	+=	<10J	<10	<10	<10	<10R	<10R	<10R	<10	<10
4-Chloro-3-methylphenol		<2	<2	<2		****	<2	<2	<2	<2
4-Chloroaniline		<2	<2	<2			<2	<2	<2	<2
2-Chloronaphthalene	35		<5		<5	<5R	<5R	<5R	<5	<5
2-Chlorophenol		<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Chlorophenyl phenyl ether		 \2 - 2	<2	<2			<2	<2	<2	<2
Chrysene		<2	<2	<2	100.00		<2	<2	<2	<2
Dibenzo(a,h)anthracene		 \2 - \2	<2	- 2			<2	<2	<2	<2
Dibenzofuran		<20	<20	<20	<20	<20	<20	<20	<20	<20
3,3'-Dichlorobenzidine			<5	<5	<5	<5R	<5R	<5R	<5	<5
2,4-Dichlorophenol	21	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,6-Dichlorophenol		<5J	<2	<2	√ ⟨2	√2	<2	√2	<2	<2
Diethyl phthalate	5000		<2	<2	$\frac{\sqrt{2}}{\sqrt{2}J}$	√2J	<2	. <2	<2	<2
Dimethyl phthalate		<2	<5J	< <u>5</u>	<5	<5R	<5R	<5R	<5	<5
2,4-Dimethylphenol	7			<2	√2	<2	<2	<2	<2	<2
Di-n-butyl phthalate	700		<2	< ₅	<5	<5R	<5R	<5R		<5
4,6-Dinitro-2-methylphenol		<5J	<5 <5	<5 <5	\\ \sqrt{5}	<5R	<5R	<5R		<5
2,4-Dinitrophenol	14	<5J	<5 <0		<2	<2	<2	<2	<2	<2
2,4-Dinitrotoluene	0.5		<2	<2	<2	√2	<2	<2	√2	<2
2,6-Dinitrotoluene	0.5		<2	<2 <2	- \2	<2	<2	<2	<2	<2
Di-n-octyl-phthalate		<2					<2	<2	<2	<2
Fluoranthene		<2	<2	<2		- 	- <2	<2	<2	<2
Fluorene		<2	<2	<2	1 =		<2	<2	<2	<2
Hexachlorobenzene	0.2		<2	<2	<2		<2	<2	<2J	<2.
Hexachiorocyclopentadiene	50		<2	<2	<2	<2	<2	<2	<2	<2
Hexachloroethane	7	<2	<2	<2				<2	-\frac{\frac{2}{2}}{<2}	<2
Indeno(1,2,3-cd)pyrene		<2	<2	<2			<2		<2	<2
Isophorone	370) <2	<2	<2			<2	<2		<2
2-Methylnaphthalene			<2	<2			<2	<2	<2	<5
2-Methylphenol			<5	<5	<5	<5R				<5 <5
3&4-Methylphenol			<5	<5	<5	<5R				-\ <2
2-Nitroaniline			<2	<2			<2	<2		
	+-		<2	<2			<2			
A 114										3
3-Nitroaniline 4-Nitroaniline	<u>-</u> -		<2				<2 <2			

Table 4-4 Woodard & Curran **Summary of Lancaster Street Groundwater Results** E.Perry Site, Portland, Maine

			E.Perry	Site, Portia	na, wam	3			T - no 1	101/0
	, , ,	2021 44	MW-3	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-9 05/03/05
		MW-11	05/03/05	05/03/05	05/02/05	05/02/05	05/03/05	05/02/05	05/03/05	
		05/03/05		Duplicate	Primary	Primary	Primary	Primary	Primary	Duplicate
	MEG	Primary	Primary	<5	<5	<5R	<5R	<5R	<5	<5
Nitrophenol		<5J	< 5	<5 <5	< 5	<5R	<5R	<5R	<5	<5
Nitrophenol	60	<5J	<5				<2	<2	<2	<2
Nitrosodimethylamine		<2	<2	<2			<2	<2	<2	<2
Nitrosodiphenylamine		<2	<2	<2			<2	<2	<2	<2
Nitroso-di-propylamine		<2	<2	<2	<10	<10R	<10R	<10R	<10J	<10J
entachlorophenol	3	<10J	<10J	<10J			<2	<2	<2	<2
entacilloroprierior		<2	<2	<2		<5R	<5R	<5R	<5	<5
henanthrene	4000	<5J	<5	<5	<5	<u> </u>	<2	. <2	<2	<2
henol		<2	<2	<2 .			<2	<2	<2	<2
yrene	70-0	<2	<2	<2				<5R	<5	<5
yridine	 	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
,3,4,6-Tetrachlorophenol		<5J	<5	<5	<5	<5R	<5R	<5R	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	<5
,4,5-Trichlorophenol	32	<5J	<5	<5	<5	<5R	<5R	NC>		
,4,6-Trichlorophenol		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		CANAL STATE					-0.0	<0.2
CBS (Ug/L)	V	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1016			<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1221		<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1232		<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1242		<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	
Aroclor 1248		<0.2		<0.2	<0.2J	<0.2√	<0.2J	<0.2	<0.2	<0.2
Aroclor 1254		<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0,2	<0.2	<0.2
Arocior 1260		<0.2	<0.2	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.5	ND	ND	ND				and the second		7 k 7 e j
Dissolved literganic Analyte	(ug/L)				<88.0	<88.0	<88.0	<88.0	0.88>	<88.0
Aluminum	1430	<88.0	<88.0	<88.0		<4.1	<4.1	<4.1	<4.1	<4.1
Antimony	3	<4.1	[8.6]	(9.8)						<4.5
	. 10	<4.5	<4.5	<4.5	[12,6	22.1			41.8	44.8
Arsenic	200	105	40.1	43	110				0 <0.20	
Barium		<0.20	<0.20		<0.20				<0.60	<0.60
Beryllium	3.5	1.2	1.3	1.4	<0.60		7 4 11 1 1 1 1		00 19400	20600
Cadmium		11600	0 4480	42600	6040					<1.2
Calcium	40				<1.2					<2.7
Chromium		15.1		17.5	<2.7					
Cobalt	130			ا6.9√	<2.€				-	
Copper		0=-0			730					
lron	10				<2.9	<2.	9 3.4			
Lead					3170	0 5070	00 2480			
Magnesium							0] [416	1018 - 119	112.73	
Manganese	50		347074						, 0	
Mercury	2			-		5 27.			• • • • • • • • • • • • • • • • • • • •	
Nickel	14	0 12.5								
Potassium										
Selenium	3					0 /1	.8 <1	.8 <1	.8 <1.	8 <1.
Silver	3		8 <1.	O <1.0	N SECRET	001 (1262	000]. [98	00] 4 [133		10] (865
Sodium	200	000 [2090			1948 46	.4 <6	.4 <8	,		
Thallium	1-0	5- <8.							2.7 <2.	
11020000		- <2.	7 <2	7 <2.	(<2	• •				40.4
Vanadium		۰۰ \ <u>\ \</u>	J 62	••		5 70)4 [260	00139 25)5J 61.0	

Units in micrograms per liter (ug/l)
MEG = Maximum Exposure Guideline
<= not detected at reporting limit

[] = above criteria

J = estimated

R = rejected

U = revised to nondetect

- = not analyzed or not available

Table 4-4 Woodard & Curran Summary of Lancaster Street Groundwater Results E.Perry Site, Portland, Maine

				ry Site, Po	rtland, Ma	ine				
		MW- 05/03			MW-5 05/02/0			MW-8	MW-9	MW-
Trichloroethene	M									05/03/
Trichlorofluoromethane		2 <2		<2	<2				Primary	Duplic
1,2,3-Trichloropropane	20		<2	<2	<2	- 2 <2	4	<2	<2	<2
1,2,4-Trimethylbenzene	0.0		<2	<2	<2	√2	<2	<2	<2	<2
1,3,5-Trimethylbenzene			<2	<2	<2	<2	<2	<2	<2	<2
Vinyl chloride			<2	<2	<2	<2	<2	<2 _e	. <2	<2
m&p-Xylene	0.		<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene		<2	<2	<2	<2		<2	<2	<2	<2
Total Xylenes			<2	<2	<2	<2	<2	<2	2	2
Total Ayleries	140	00 ND	ND	ND	ND	<2	<2	<2	<2	<2
SemicVolatile Organic Com	ចិចប្រជាធិន្យា((g/) - 4 - 3		SOUTH COLV	IND	ND	ND	ND	ND	ND
Acenaphthene		<2	<2	<2		700			70.51	A STATE OF
Acenaphthylene		<2	<2	<2	<2	<2	<2	<2	<2	<2
Aniline		<2	<2J	<2	<2	<2	<2	<2	<2	<2
Anthracene	*****	<2	<2	<2			<2	<2	<2	<2
Azobenzene	-,	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzidine		<20J	<20R	<20J	<2	<2	<2	<2	<2	<u>~2</u>
Benzo(a)anthracene		<2	<2		<20J	<20J	<20J	<20J	<20J	<20J
Benzo(a)pyrene	0.05		<2	<2	<2	<2	<2	<2	<2	<2
Benzo(b)fluoranthene		<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(g,h,i)peryleпе		<2	<2	<2	<2	<2	<2	<2	<2	
Benzo(k)fluoranthene		√2 <2		<2			<2	<2	<2	<2
Benzoic acid		<10J	<2	<2	<2	<2	<2	<2	<2	<2
Benzyl alcohol		<5J	<10	<10	<10	<10R	<10R	<10R	<10	<2
is(2-Chloroethoxy)methane			<5	<5	<5	<5R	<5R	<5R		<10
is(2-Chloroethyl) ether	0.3	<2	<2	<2	<2	<2	<2	<2	<5	<5
is(2-Chloroisopropyl)ether	300	<2	<2	<2	<2	<2	<2	<2	<2	<2
is(2-Ethylhexyl) phthalate		<2	<2	<2	<2	<2	<2		<2	<2
Bromophenyl phenyl ether		<2	<2	<2	<2	<2	<2	<2	<2	<2
utylbenzyl phthalate		<2	<2	<2	<2	<2	<2	<2	<2	<2
arbazole		<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloro-3-methylphenol		<2	<2	<2			<2	<2	<2	<2
Chloroaniline		<10J	<10	<10	<10	<10R		<2	<2	<2
Chloronaphthalene		<2	<2	<2			<10R	<10R	<10	<10
Chlorophenol		<2	<2	<2			<2	<2	<2	<2
Chlorophenyl phenyl ether	35	<5J	<5	<5	<5	<5R	<2	<2	<2	<2
Trysene		<2	<2	<2	<2		<5R	<5R	<5	<5
benzo(a,h)anthracene		<2	<2	<2		<2	<2	<2	<2	<2
benzofuran		. <2	<2	<2			<2	<2	<2	<2
3'-Dichlorobenzidine		<2	<2	<2			<2	<2	<2	<2
Dichloropenzidine		<20	<20	<20	<20		<2	<2	<2	<2
l-Dichlorophenol	21	<5J	<5	<5	<5	<20	<20	<20	<20	<20
-Dichlorophenol		<5J	<5	<5		<5R	<5R	<5R	<5	<5
thyl phthalate	5000	<2	<2	<2	<5	<5R	<5R	<5R	<5	<5
nethyl phthalate		<2	<2		<2	<2	<2	<2	<2	<2
-Dimethylphenol	***	<5J	<5J	<2 <5	<2J	<2J	<2	. <2	<2	<2
n-butyl phthalate	700	<2	<2		<5	<5R	<5R	<5R	<5	<5
-Dinitro-2-methylphenol		<5J	<5	<2	<2	<2	<2	<2	<2	<2
-Dinitrophenol	14	<5J	<5 <5	<5	<5	<5R	<5R	<5R .	<5	<u>~∠</u> <5
Dinitrotoluene	0.5	<2	<2 <2	<5	<5	<5R	<5R	<5R	<5	<5 <5
Dinitrotoluene	0.5	<2		<2	<2	<2	<2	<2	<2	
-octyl-phthalate		<2	<2	<2	<2	<2	<2	<2 <2	<2	<2
pranthene		<2	<2	<2	<2	<2	<2	<2	<2	<2
rene			<2	<2			<2	<2		<2
achlorobenzene		<2	<2	<2			<2	<2	<2	<2
achlorocyclopentadiene	0.2	<2	<2	<2	<2	<2	<2		<2	<2
achloroethane	50	<2	<2	<2	<2	<2	<2	<2	<2	<2
no(1,2,3-cd)pyrene	7	<2	<2	<2					<2J	<2J
horone		<2	<2	<2			<2	<2	<2	<2
thylnaphthalene	370	<2	<2	<2			<2	<2	<2	<2
thylphenol		<2	<2	<2			<2	<2	<2	<2
Motodokana		<5J	<5				<2	<2	<2	<2
Methylphenol		<5J	<5					<5R		<5
roaniline		<2	<2					<5R		<5
roaniline		<2	<2	<2						<2
roanline		<2	<2				<2			<2
enzene	3.5	<2	<2	<2 <2						<2
					<2	<2				-e f

Attachment D: Site Screening Photographs

Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

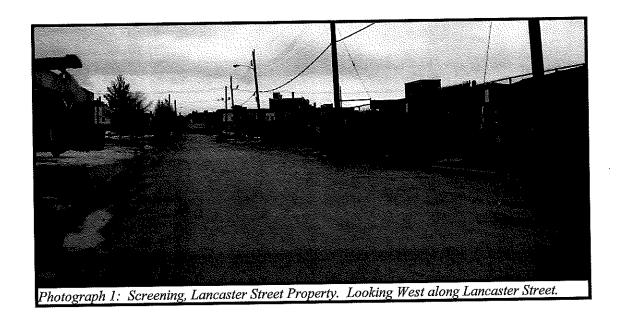
Prepared for:

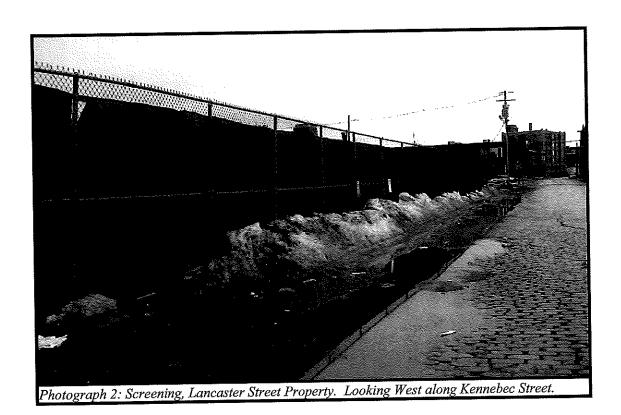
E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

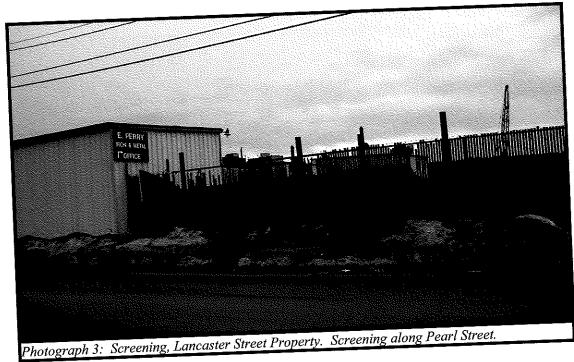
Acadia Environmental Technology 48 Free Street Portland, Maine 04101

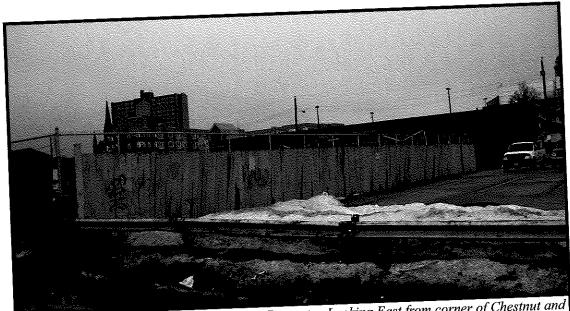




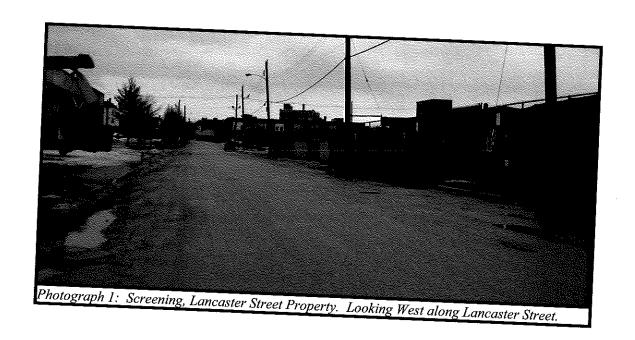


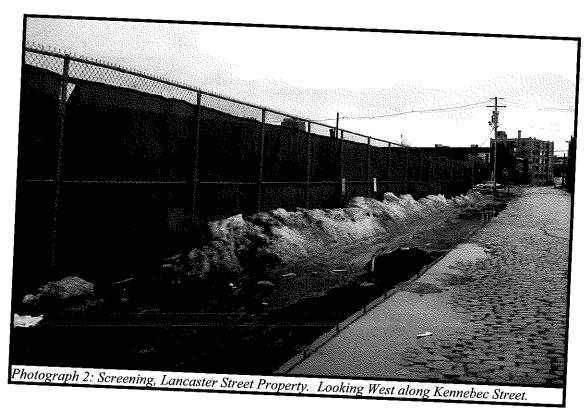
The state of the s				





Photograph 4: Screening, Lancaster Street Property. Looking East from corner of Chestnut and Kennebec Streets.





Attachment E: Types of Metals Processed

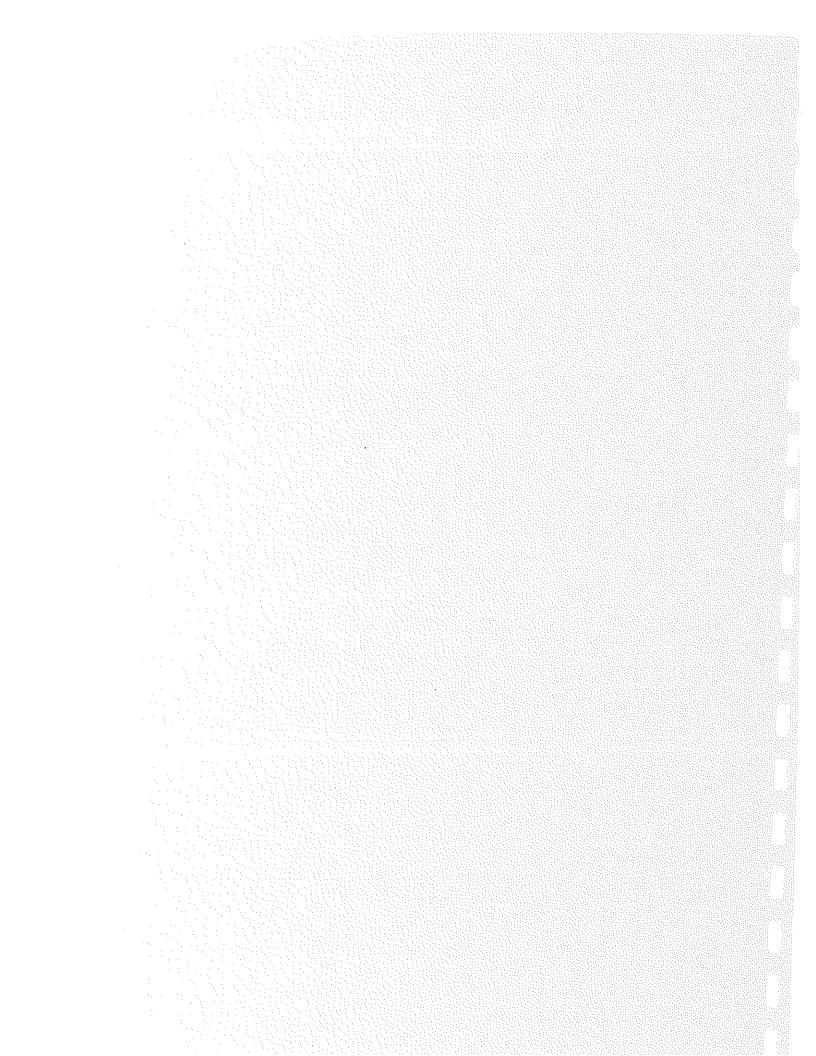
Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101



SOLD MATERIAL RECORD YEAR TO DATE 2007	YRAUMAL	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE TOTALS 1,052
A-286	663	-				389	FE 000	29,380	34,030	32,780	28,740	-	350,030
ALUMINUM, CAST	17,800	20,200	23,120	20,950	61,710	25,460 1,154	55,860 4,812	29,360	34,000	-			10,077
ALUMINUM, E.C. WIRE	2,050	9,100	28,810	2,061	12,299	10,300	21,119	21,211	10,992	26,116	8,185		230,793
ALUMINUM, EXTRUSION	82,661 21,943	9,100	20,010		24,611	-	38,493	-	27,001		69,394		181,442 505,750
ALUMINUM, 6061 EXTRUSION ALUMINUM, IRONY	21,843	37,200	-	57,400	86,460	42,930	41,320	35,860	49,390	71,430		83,760	60,196
ALUMINUM, LITHO	5,640	V.1200	12,920	-	11,904	-	13,489		45.040	16,343	ļ		108,720
ALUMINUM, MLC	19,690	-	18,030		16,269		39,393	75,422	15,318 125,418	96,765	94,092	41,474	1,051,149
ALUMINUM, OLD	66,863	75,570	58,880	40,700	117,925	121,900	136,140	75,422	6,435		1	-	31,276
ALUMINUM, REMELT	20,076		-	4,765	11,477				26,773		-		96,097
ALUMINUM, SIDING	13,864	<u> </u>	11,400	1.580	11,477	3,980	776	2,414		-	-		11,567
ALUMINUM, UBC	100.000	1,817	39,500	41,302	40,877	30,218	64,927	80,570	41,088		46,422		547,613
ALUMINUM, WHEELS	192,009 39,900		38,000	40,922	126,561	79,492	79,848	58,650	76,485			86,900	813,171 93,947
BATTERIES, AUTO BATTERIES, INDUSTRIAL	3,340			1,728		3,817	9,339	12,760	7,273	15,850	2,900	36,940	8,921
BRASS, PIPE	- 0,0,10	-		-	·	8,921		ļ <u>-</u>				 	6,844
BRASS, ROD	3,610			-	` ` •	3,234		49,161		45,622	35,730	 	304,481
BRASS, YELLOW	53,627	-	36,890	39,395	34,396	1.017	9,410	278		1,243		 	2,955
CARBIDE	I	-	417		<u> </u>	·1,017	3,701						206,279
COMPOSITION	46,065		25,360	17,931	39,441	42,010	40,078			20,882		1	358,331
COPPER, #1	102,570		30,161 29,212	40,342	35,441	70,075	24,624			66,283	1	<u> </u>	403,375
GOPPER, #2	110,474		8,787	73,625	40,493	38,396	37,454			90,871			559,414 13,548
COPPER, BARE BRITE	154,206	34,0:7	0,701	10,020		2,556		-	2,461			+	61,891
COPPER, LEADED LITE COPPER, LITE	16,459	-	11,700	3,195		10,680		7,527	1,997	10,333	\ 	+	1,813
CU-NI, 70/30	777		-	-		676					1		1,993
CU-NI, 90/10	1	-	928	L				1,065		+			
HASTEALLOY	50				ļ <u> </u>			+	715	1,120	, .		
HEATER CORES	430			1,212	-					1	-		2,488
INCONEL	624		5 (42	S EEG					12,487	9,910	6,290		82,417
INSULATED WIRE, ACSR		10,000		8,556	7,000	3,200	0,00	58,418					138,449
INSULATED WIRE, #1 COPPER	33,420	3,400	37,870	46,104	102,390	114,846	99,756	5,090	8,440				657,461 79,075
INSULATED WIRE, #2 COPPER	14,630		7,080					6,970		10,866			
LEAD, REGULAR	2,97		- 1,000	-	-			4,470		4,270	6,65	3,051	3,902
LEAD, WEIGHTS MONEL	1,19		320						-			-	4,454
NICKEL	1,20	2 963	1 ·		<u> </u>	1,256	1,034	Ч					130
PEWTER		-	130				11,175		: 		- 33,98	7	117,665
RADIATORS, ALUMINUM		- 36,350		30,235	5,920	36,741		9,56	B 10,65	33,66	8	-	226,170
RADIATORS, AUTO	31,17	0 40,360	14,872	19,196	800					-	-		800
RADIATORS, AUTO - DIRTY	1 - 4 24	3 8,770	1	8,949			7,45	4,61	0 12,56	7 12,86		0 3,90	99,081
RADIATORS, COPPER/ALUMINUM FINS	1,64	- 1,416		0,0 10	5,400		· 1	-		7,14		:	442,943
STAINLESS STEEL, 17-4	95,43			47,500			5,66				6 5,57 - 2,08		45,527
STAINLESS STEEL, 904 STAINLESS STEEL, 316	3,43		13,760			8,802			3 2,60	- 2,64		-1	- 22,328
STAINLESS STEEL, P-530	9,45			1		-	516.21		0 338,01			8 339,22	4,211,132
STEEL, #1	308,34	0 79,740	313,880	227,900	347,740	435,28	516,21	0 032,20	000,01	-1 04 11.92	-	-	
STEEL/IRON, CAST		•		57,390	B1,39		-	11,20	0 57,25	0 92,95			- 316,320
STEEL, ELECTRIC MOTORS	3,60	61,440					52,40		0 236,35			0 169,32	
STEEL, LITE	219,79	97,900 - 51,120								0 85,39	10	- 87,08	- 1,253
STEEL, P&S	+	- 01,120	1,253		-	-	- [-					1,297
TITANIUM	1,29	7		-		-	<u> </u>	- 1		- 1,20		-	10,400
TURNINGS, A-286	2,85	7 2,53	704			1,80			29,06	<u> </u>	~	-	- 149,249
TURNINGS, ALUMINUM	8,12	0 . 34,60	3,420	40,25		2 3,91	7 25,90	- 1,5E		-	- 8,18	10	25,824
TURNINGS, BRASS	6,20		-	- 9,89	2	- 27,50	.	- 1,00	-	-	-		48,000
TURNINGS, ROD BRASS	20,50			- 		-1 21,50	<u>- </u>	- 9,98	31 37	0	•	-	- 12,241 - 4,074
TURNINGS, COPPER	9		- 926			- 1,32	4	-1	- 1	- 1,59	50	-	- 4,074
TURNINGS, CU-NI - 70/30	1,20	- 00			-	-1 - '-	•	-	-		-	-	3,462
TURNINGS, CU-NI - 90/10		14 18	2	-	-	-1	-			- 2,90 - 5,50		-	16,886
TURNINGS, HASTALLOY TURNINGS, INCONEL	1,3		3	-1	-	- 5,18	7 1,08			- 5,51 - 1,6		-	- 13,900
TURNINGS, INCONEL TURNINGS, MONEL	3,7	5,45	3 1,60			- 83				2,8			- 13,149
TURNINGS, NICKEL	3,5	26 82	4		-	- 1,16			-	- 1,7	10	-	- 8,00
TURNINGS NLTI	1,6	44 1,24				- 1,67	6 76	50		- 2,1	75	-	5,31
TURNINGS, STAINLESS STEEL - 13-8		- 80			- ID 16,76			25 14.8	74 3,1	00 3,5	59	•	- 143,69
TURNINGS, STAINLESS STEEL - 17-4	28,8					5,0			43 35,9	00 2,6	20 5,5		- 129,000
TURNINGS, STAINLESS STEEL - 304	15,3	90 7,33						87 16,9	79 11,9		26 7,6		- 134,33 - 151,45
TURNINGS, STAINLESS STEEL - 316	24,6 48,5		0 11,61	0 13,62			- 32.3	49 14,3	85 10,0	20	- 2,5 - 43,9		- 295,30
TURNINGS, STAINLESS STEEL - P-530	48,5	. 0,02	53,62			10	-	109,9			80 43,9	-	- 14,28
	1				-1 -	- 3,60	8 3,7	69 4	93		DV		
TURNINGS, STEEL TURNINGS, TITANIUM	4,2	02 1,47	'O		2.10			- 9,5	00 5,5	an !	- 1	- 1,6	20 23,17

METALS RECEIVED AT E. PERRY IRON & METAL, 2007

(quantities in pounds)

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A-286 ALUMINUM, CAST ALUMINUM, E.C. WIRE ALUMINUM, EXTRUSION ALUMINUM, BOSI EXTRUSION ALUMINUM, IRONY ALUMINUM, ITHO ALUMINUM, ALC ALUMINUM, OLD ALUMINUM, REMELT	665 17,800 2,050 82,661 21,943	0 20,200 0 9,100		- 0 20,95 - 2,06		- 38 0 25,46		AUGUST		OCTOBER .	NOVEMBER	DECEMBER	YEAR TO DAT
ALUMINUM, E.C. WIRE ALUMINUM, EXTRUSION ALUMINUM, 5061 EXTRUSION ALUMINUM, IRONY ALUMINUM, LITHO ALUMINUM, MLC ILUMINUM, OLD	2,050 82,661	9,100								T .	 		TOTALS
ALUMINUM, EXTRUSION ALUMINUM, BOOTI EXTRUSION ALUMINUM, IRONY ALUMINUM, LITHO ALUMINUM, MILC ILUMINUM, OLD	82,661	9,100	-										1 05
ALUMINUM, 6061 EXTRUSION ALUMINUM, IRONY ALUMINUM, LITHO ALUMINUM, MLC ALUMINUM, OLD					1 (- 1,15			34,030	32,780	28,740		1,05: 350,030
ALUMINUM, LITHO ALUMINUM, MLC ALUMINUM, OLD	- 130 10	41	28,81	0	12,29	9 10,30			10.000			-	10,07
LUMINUM, MLC LUMINUM, OLD		37,200			24,61		- 38,49		10,992 27,001	26,116	8,185		230,79
LUMINUM, OLD	5,540		12,920	57,400			0 41,320	35,860	49,390	71,430	69,394		181,442
LUMINUM, REMELT	19,690		18,030		11,90		- 13,4Bs		19/900	16,343	 ,	83,760	505,760
	66,863		58,880		16,28	9	39,39	-	15,318	10,043			60,194
LUMINUM, SIDING	20,076			4,765		5 121,90	0 136,140	75,422	125,418	96,765	94,092	41,474	108,720
LUMINUM, LIBC	13,864		11,400		11,47	7	-	+	6,435		- 1,015	41,474	1,051,149
LUMINUM, WHEELS	132,009	1,817		1,580		3,980	778	2,414	26,773	32,583			96,097
ATTERIES, AUTO	39,900					30,218			1,100 41,088			-	11,667
ATTERIES, INDUSTRIAL	3,340	120,000	+	40,922			73,848		76,485	60.740	46,422	-	547,613
RASS, PIPE RASS, ROD		T -	+	1,728	+	3,817		12,760	7,273	68,713 15,850	36,200	86,900	813,171
RASS, YELLOW	3,610		<u> </u>	1	 	8,921		- 1	7,2,0	13,830	2,900	36,940	93,947
ARBIDE	53,627	-	36,890	39,395	34,396	3,234			-				8,921
OMPOSITION		ļ <u> </u>	417	-	54,030	1,017	9,410		250	45,622	35,730		6,844
OPPER, #1	46,065	 	25,360	17,931		47,498		278		1,243			304,481
OPPER, #2	102,570 110,474	42,860			39,441	42,010		30,206 40,329	27,723	7,795			2,955 206,279
OPPER, BARE BRITE	154,206	34,617	29,212			70,075		26,021	36,344	20,682			358,331
OPPER, LEADED LITE		U4,017	8,787	73,625	40,493		37,454	40,917	30,344	90,871			403,376
PPER, LITE J-NI, 70/30	16,459		11,700	3,195	 	2,656			2,461	8,531	40,048		559,414
J-NI, 70/30 J-NI, 90/10	777	360		3,195	 	10,680	<u> </u>	7,527	1,997	10,333		—— <u> </u>	13,548
STEALLOY	+		928			676	 			- 1-15-05			61,891
ATER CORES	50	182		-				1,065	<u>-</u> -[-		1,813
ONEL	430 624	1,580 664		1,212		_	1,551		 _				232
BULATED WIRE, AGSR	T	10,000	F 140			684	516		715	1,120			6,608
BULATED WIRE, #1 COPPER		3,400	5,140	8,556	7,680	9,200	8,334		12,487	9,910			2,488
BULATED WIRE, #2 COPPER AD, REGULAR	33,420	36,950	37,870	46,104	100.000			58,415	75,104	780	6,290 750	4,820	82,417
AD, WEIGHTS	14,630	3,900	7,080	13,461	102,390 2,795	114,846	99,756	5,090	B,445	73,750	65,000	33,840	138,449
NEL	2,977			7-7,70	2,783		4,708	5,970	3,250	10,866	12,415	33,840	657,461
KEL	1,130	1,106	320		-	1,346		4,470		4,276	6,651	3,866	79,075 22,240
WTER	1,202	963	130			1,255	1,034		 -∔				3,902
DIATORS, ALUMINUM		36,350	130	00.005				—— - -					4,454
DIATORS, AUTO DIATORS, AUTO - DIRTY	31,170	40,360	14,672	30,235 19,196	5,920		11,173				33,987	—	130
DIATORS, COPPER/ALUMINUM FINS	-		•	10,190	800	36,741	29,945	9,568	10,650	33,668	33,381		117,665
UNLESS STEEL 17.4	1,643	8,770	-	8,949	17,112	5,060	7.450					<u>-</u> -	226,170 800
INLESS STEEL, 304	95,430	1,416			5,400	3,000	7,450	4,610	12,667	12,860	6,160	3,900	89,081
INLESS STEEL, 316	3,435	60,430	51,080	47,500	103,082	50,600	5,666	12,655	1550	7,140	-		13,956
INLESS STEEL, P-530	9,452	9,720	13,760	5,352	3,895	8,802	3,825	1,783	4,550 2,605	6,380	5,570		442,943
EL #1	308,340	79,740	313,880	227,900			516	-	2,000	2,640	2,080		45,527
EL/IRON, CAST EL, ELECTRIC MOTORS				221,300	347,740	435,284	516,210	532,250	338,010	384,960	387,598	339,220	22,328
EL, LITE	3,600	61,440	-	57,390	81,390			-	-		301,030	339,220	4,211,132
EL, P&S	213,790	97,900	123,260	184,970	179,640	256,880	52,400	11,200	57,250	32,950	11,100		316,320
		51,120	72,940	86,920	39,100	115,660	210,060	232,160 37,280	236,350	211,360	274,260	169,320	2,232,290
NIUM	1,297		1,253			-	274,000	- J7,260	41,080	85,390		87,080	826,630
NINGS, A-286	2,857	2,530	704										1,253
NINGS, ALUMINUM NINGS, BRASS	8,120	34,600	3,420	40,250	3,962	1,804	1,305			1,200			1,297
VINGS, BOD BRASS	6,202		,,,,,,	9,892	3,962	3,917	25,900		29,080	-11200			10,400
VINGS, COPPER	20,500					27,500		1,550			8,180		149,249 25,824
NNGS CU-NI - 70/20	970		920	-		27,000		9,961				-1-	48,000
VINGS, CU-NI - 90/10	1,200					1,324		9,361	370				12,241
INGS, HASTALLOY	314	182					-			1,550			4,074
INGS, INCONEL	1,390	3,713								2,966			
IINGS, MONEL IINGS, NICKEL	3,757	5,463	1,800			5,187	1,036			5,560			3,462
INGS, NI-TI	3,526	824			+	833	455			1,610			16,886
INGS, STAIN! ESS STEEL 49.0	1,644	1,240	670			1,165	1,173	-	<u>-</u>	2,889			13,908
(NOC DIAMETOS GLEET - 19-8		808	656			915	760			1,710			8,007
INGO, STAINLESS STEEL . 17.4	28,875 15,390	15,550 7,330	11,980	15,250	16,760	8,220	25,525	14,674	- 100	2,175			5,314
INGS, STAINLESS STEEL - 17-4 INGS, STAINLESS STEEL - 304			4,660	8,176		5,017	40,446		3,100	3,559			143,693
INGS, STAINLESS STEEL - 304 INGS, STAINLESS STEEL - 316			0.000				40,440 (4.04333	35 Q00 £				
INGS, STAINLESS STEEL - 304 INGS, STAINLESS STEEL - 316 INGS, STAINLESS STEEL - P. 500	24,686 48,590	5,060	6,860	18,374	3,971	9,406	18,087	4,043 16,979	35,900 11,910	2,520	5,520		129,002
INGS, STAINLESS STEEL - 304 INGS, STAINLESS STEEL - 316 INGS, STAINLESS STEEL - P-530 INGS, STEEL	24,686 48,590	5,060 6,820	6,860 11,610	18,374 13,820	11,337			16,979	35,900 11,910 10,020	2,520 11,325	7,674	-	129,002 134,332
INGS, STAINLESS STEEL - 304 INGS, STAINLESS STEEL - 316 INGS, STAINLESS STEEL - P. 500	24,686	5,060	6,860	18,374			18,087	16,979	11,910				129,002

METALS RECEIVED AT E. PERRY IRON & METAL, 2007

(quantities in pounds)

Attachment F: Waste Management Compliance Audit

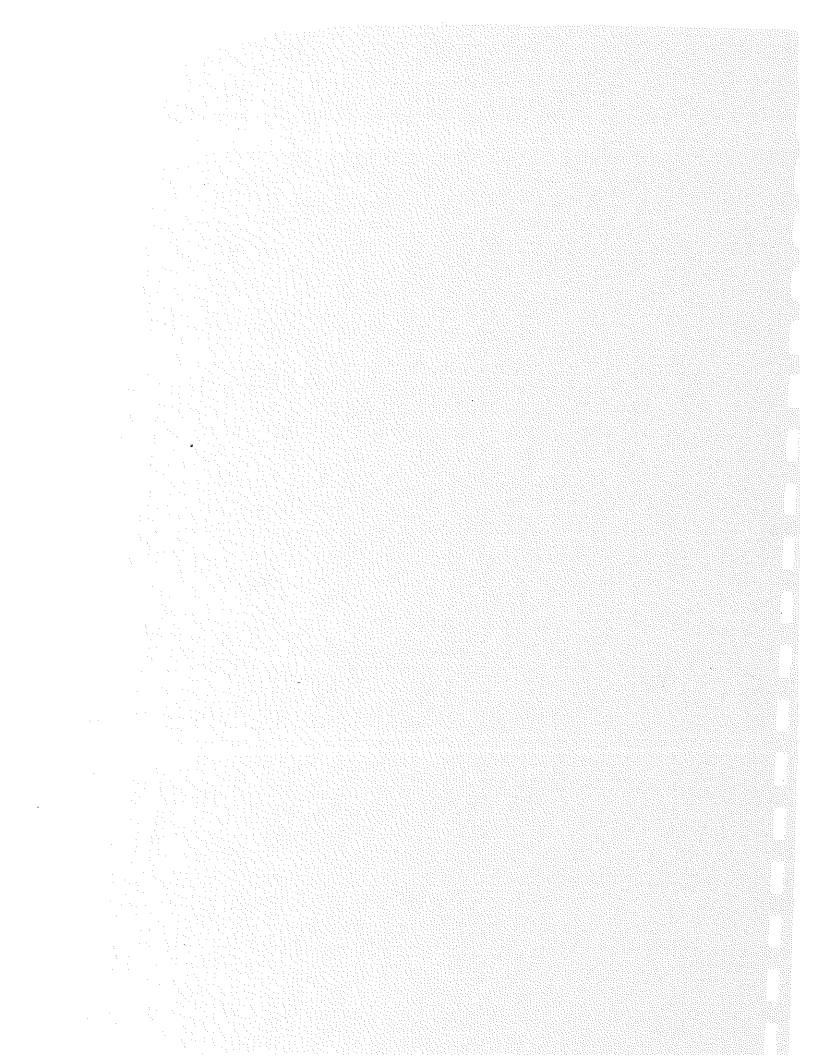
Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101



April 11, 2008

Mr. Alan Lerman E. Perry Iron & Metal 115 Lancaster Street Portland, ME 04101

Re: Waste Management Compliance Audit

Dear Mr. Lerman:

Acadia Environmental Technology (Acadia) has conducted a waste management compliance audit of your scrap metal recycling business as required under the City of Portland Code of Ordinances, Ch. 31. This report describes the scope of this audit and presents its findings.

SCOPE AND PURPOSE

Rule #2 developed by the City of Portland under the Code of Ordinances, Ch. 31 Scrap Metal Recycling Facilities, lists several requirements for scrap metal recycling facilities including an, "Initial baseline evaluation of the scrap metal recycling facility requires a waste management compliance audit of the facility..". The purpose of this report is to fulfill this requirement.

Since the Ordinance defines "waste" as,

"hazardous waste as defined or identified in Chapter 850, oily waste, as defined or identified in Chapter 405, Sec. 6(c) (3), special waste as defined or identified in Chapter 405, Sec. 6, and universal waste as defined in Chapter 850, Sec. 3A (13) of the Regulations of the Maine Department of Environmental Protection..."

the audit, whose results are presented herein, was performed primarily to address the waste types defined by the referenced rules. However, some related Maine DEP regulatory requirements, such as solid waste facility licensing and oil and hazardous materials spills and releases are also addressed.

The results of the waste management compliance audit are presented below and are based on a site visit by Acadia Senior Environmental Engineer, Mark Arienti to inspect facility operations and activities, interview key personnel, and review records pertaining to waste generation and management. Maine Department of Environmental Protection (ME DEP) personnel were contacted with regard to facility licensing pertaining to waste

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Mr. Alan Lerman
E. Perry Iron & Metals, Inc.
Page 2 of 6

management, and manifests and oil and hazardous spill records were also reviewed as part of this audit.

Mr. Arienti is a Registered Professional Engineer in Maine and has been working in the waste management field for 20 years.

SITE DESCRIPTION AND FEATURES

E. Perry's Facility includes two site properties: one at 9 Somerset Street (Somerset St. Site) and 115 Lancaster Street (Lancaster St. Site) in Portland, Maine. The properties are located in the downtown "Bayside" area of Portland. The smaller of the two properties is the Somerset Street site, which is less than one acre. Bordering this parcel to the northeast is a vacant field, to the northwest is railroad tracks, to the southwest is a scrap metal yard (different ownership), and to the southeast by Somerset Street. The property has a fence on all sides and two locking gates on Somerset Street. There is one small building on the eastern corner of the parcel, which functions as a small office and work shop. The rest of the parcel is open with several parked semi-truck trailers. The property is paved with a loading ramp facing the railroad tracks in the western corner of the parcel.

The Lancaster Street Site is approximately 1.75 acres in size and occupies one city block. The streets bordering the property are Pearl Street to the northeast, Kennebec Street to the northwest, Chestnut Street to the southwest, and Lancaster Street to the southeast. The property has a building on the eastern corner of the premises, which consists of a small office, entrance gate, and truck scale for the scrap metal yard. The rest of the parcel is open with several sorted piles of various scrap metal. There is a road or path through the parcel that is used by Site cranes and trucks delivering materials to the facility.

Physical Setting: Site topography at both locations is relatively level, with regional topography sloping toward Portland's Back Cove, which lies approximately 1,300 feet to the northwest. The Site has approximately 3.5 to 11 feet of fill over marine sediments. The Site is approximately 9 feet above mean sea level.

Site History and Land Use: The site was originally an historic reclaimed area (filled wetland/surface water) and has been used as a scrap metal salvage yard since 1896.

Adjacent Property Land Use: The properties adjacent to both parcels consist of industrial and commercial properties.

FACILITY OPERATIONS

E. Perry Iron & Metal Co., Inc. was established in 1896 by Eli Perry and they've been operating at the Lancaster Street location since that time. They provide scrap metal recycling services to the municipal, commercial, industrial, and private sectors.

Services include on-site container services as well as receiving scrap metals for recycling at their Lancaster Street location. They provide scheduled removal of scrap metals for some industrial and commercial customers.

April 11, 2008

Mr. Alan Lerman E. Perry Iron & Metal 115 Lancaster Street Portland, ME 04101

Re: Waste Management Compliance Audit

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"hazardous waste as defined or identified in Chapter 850, oily waste, as defined or identified in Chapter 405, Sec. 6(c) (3), special waste as defined or identified in Chapter 405, Sec. 6, and universal waste as defined in Chapter 850, Sec. 3A (13) of the Regulations of the Maine Department of Environmental Protection..."

the audit, whose results are presented herein, was performed primarily to address the waste types defined by the referenced rules. However, some related Maine DEP regulatory requirements, such as solid waste facility licensing and oil and hazardous materials spills and releases are also addressed.

The results of the waste management compliance audit are presented below and are based on a site visit by Acadia Senior Environmental Engineer, Mark Arienti to inspect facility operations and activities, interview key personnel, and review records pertaining to waste generation and management. Maine Department of Environmental Protection (ME DEP) personnel were contacted with regard to facility licensing pertaining to waste

Mr. Alan Lerman E. Perry Iron & Metals, Inc. Page 3 of 6

E. Perry's Somerset Street facility includes a concrete pad from which aluminum turnings are loaded into trailers for off-site shipment. This property includes a small building used as an office and workshop for performing minor equipment maintenance and repair. Empty barrels are also stored here for use at the Lancaster Street site for shipping turnings and other small metal pieces. There is a variety of old pieces of metal equipment and parts stored next to the maintenance shop building.

E. Perry buys ferrous and non-ferrous scrap metals including aluminum, brass, bronze, copper, lead, auto batteries, stainless steel, cast iron, steel, insulated copper & aluminum wire, radiators, alloys, nickel, catalytic converters, and zinc. The total quantity of metals received and recycled in 2007 is included as Attachment 1.

E. Perry does not accept appliances (refrigerators, dryers, stoves, etc.), motor vehicles, closed tanks, or cylinders. However, they do accept tanks and cylinders that have been cut in half and cleaned. E. Perry also does not accept any liquid, chemical, or hazardous materials of any kind. A detailed list of prohibited items is included as Attachment 2. This list is provided to all customers and is posted at the facility entrance where delivery trucks are weighed in.

Materials Receiving and Handling

As stated above, E. Perry buys ferrous and non-ferrous scrap metals including aluminum, brass, bronze, copper, lead, auto batteries, stainless steel, cast iron, steel, insulated copper & aluminum wire, radiators, alloys, nickel, catalytic converters, and zinc. The metals are dropped off by industrial, commercial and residential customers and then sorted, baled and/or boxed and shipped off-site for resale to secondary markets.

E. Perry receives scrap metal at the Lancaster Street site via one of three entrances (see Figure 1). Upon receipt the material is weighed and then placed in the appropriate area. The primary scale is located next to the office at the Lancaster Street receiving entrance; loads of small pieces of non-ferrous metals, generally shipped in Gaylord boxes (sometimes steel barrels) are received and weighed inside.

Larger pieces of steel as well as steel turnings are received in the main yard area as indicated in Figure 1. Some, but not all, aluminum as well as copper wire is received and baled by either the horizontal or vertical balers located under an overhang in the building. Baled wire and aluminum are stacked along the fenceline adjacent to Kennebec St. in the northeastern end of the site. Machine shop turnings (steel, bronze, brass, copper, and titanium) are collected in Gaylord boxes or steel barrels, which are then stored in the warehouse or sometimes, when this area is full, in shipping containers just off the southwest end of the building along Lancaster Street.

Lead-acid automobile batteries are received and placed in heavy-duty Gaylord boxes on pallets in a room adjacent to the scale. Once the pallet is full, it is taken out to an enclosed shipping container that is located along the fence line on the Lancaster Street side toward the southwest end of the site.



Mr. Alan Lerman E. Perry Iron & Metals, Inc. Page 4 of 6

The Somerset St. site is used for shipping out loads of aluminum turnings. The aluminum turnings are received on the elevated concrete pad and then loaded into the trailers for shipment off site.

According to E. Perry personnel, no other metals-handling operations are conducted on the Somerset Street site.

WASTE GENERATION

E. Perry is a recycling facility, not a waste disposal nor a waste transfer facility. Waste of any kind generated by E. Perry is very minimal and limited to office and packaging rubbish. This waste is placed in one of two 10-yard dumpsters, which are picked up daily by Carey Rubbish Removal.

As stated above, the City of Portland, Code of Ordinances, Section 31-4, defines waste as including:

- hazardous waste (ME DEP Chapter 850);
- oily waste (ME DEP Chapter 405, Sec. 6(c) (3));
- special waste (ME DEP Chapter 405, Sec. 6) and
- Universal waste (ME DEP Chapter 850; and Sec. 3A (13)).

The generation of each of these types of waste at E. Perry is described below.

<u>Hazardous Waste</u>: Acadia did not observe any hazardous waste as defined under Maine's *Identification of Hazardous Wastes* rule, 06-096 CMR 850 in its inspection of E. Perry's facility, nor were any records found from the past 10 years that indicated hazardous waste had been generated during this time. Based on the type of materials received and the types of operations performed at the facility, Acadia would not expect hazardous waste to be generated under normal conditions.

As indicated in Attachment 2, E. Perry does not accept hazardous materials or hazardous wastes. E. Perry communicates this policy to its customers and also inspects every load to confirm that prohibited materials are not accepted. If a hazardous item is inadvertently received at the facility, E. Perry will contact a hazardous waste contractor to properly handle and dispose of the item.

<u>Universal Waste:</u> E. Perry uses fluorescent lamps in its office and warehouse areas. Acadia observed an area adjacent to the main office with a sign on the wall indicating Universal Waste Storage Area. A cardboard barrel was observed in this area labeled "Universal Waste Lamps". E. Perry indicated that when a fluorescent lamp "burns out", it is placed in a cardboard container (the same kind as the ones new bulbs are packaged in), and the box is placed in this designated area until full, at which time the box is sealed and transported to the City of Portland Riverside Recycling Center, which provides for recycling of used lamps according to Maine Hazardous Waste Regulations.

Mr. Alan Lerman E. Perry Iron & Metals, Inc. Page 3 of 6

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Mr. Alan Lerman E. Perry Iron & Metals, Inc.

Page 5 of 6

The source of the used bulbs at E. Perry is overhead lighting in the office and warehouse They don't receive used lamps or any other Universal Waste from customers. Acadia also did not observe any evidence or obtain any records that indicated that E. Perry generates other types of Universal Waste. Since the total number of used bulbs accumulated by E. Perry is well below the 200 threshold at any one time, E. Perry qualifies for the Reduced Requirements for Small Universal Waste Generators, which are summarized in Attachment 3.

Oily Waste:

E. Perry generates approximately one to two 55-gallon drums of oily waste annually as a result of performing oil changes on equipment such as the cranes and the baling machines. This oil is collected in an empty barrel, and sent to 3G's Tire and Auto Center on Fox St. in Portland where it is used as fuel to power their Clean Burn waste oil furnace.

Special Waste: City of Portland, Code of Ordinances, Section 31-4 references 06 CMR 405 for the definition of Special Waste, but the actual definition is presented in 06-096 CMR 850 (Maine's Identification of Hazardous Wastes rule).

"Special waste," means any solid waste generated by sources other than household and typical commercial establishments that exists in such an unusual quantity or in such a chemical or physical state, or any combination thereof, that may disrupt or impair effective waste management or threaten the public health, human safety or the environment and requires special handling, transportation and disposal procedures. Special waste includes, but is not limited to:

- (1) Ash;
- (2) Industrial and industrial process waste;
- (3) Sludge and dewatered septage;
- (4) Debris from nonhazardous chemical spills and cleanup of those spills;
- (5) Contaminated soils and dredge materials;
- (6) Asbestos and asbestos-containing waste;
- (7) Sand blast grit and non-liquid paint waste;
- (8) High and low pH waste;
- (9) Spent filter media residue; and
- (10) Shredder residue.

Based on Acadia's site inspection, process evaluation and review of records, E. Perry neither receives nor generates any materials that would typically be considered Special Waste.

WASTE FACILITY PERMITTING/LICENSING

As described above, E. Perry receives, sorts, and then packages ferrous and non-ferrous E. Perry does not perform any shredding metals for sale to secondary metals markets. or other processing that changes the chemical or overall physical nature of the metals it

Mr. Alan Lerman
E. Perry Iron & Metals, Inc.

Page 6 of 6 receives. Based on these operations, MEDEP has not historically required E. Perry to obtain a solid waste facility license.

However, in recent (within the past year) discussions with MEDEP staff, Acadia has learned that the MEDEP is rethinking their policy on scrap metal recycling facilities such that even those facilities that perform only sorting and baling may be required to obtain a license under 06-096 CMR 409, Solid Waste Processors. However, the City's Section 31 Scrap Metal Recycling Facilities Permit Application incorporates and/or references several requirements under 06-096 CMR 402, Transfer Stations and Storage Sites for Solid Waste, so it is not entirely clear which, if any, Chapter of Maine's rules for solid waste facilities applies to E. Perry.

As previously described, E. Perry does not currently nor have they in the recent past generated hazardous waste. They also qualify as a small quantity Universal Waste generator as defined in 06-096 CMR 850, and therefore they are not required to obtain an EPA identification number for hazardous or universal waste generation. They also do not treat, store, or dispose of hazardous waste, and therefore they are not required to obtain a license as a Hazardous Waste Facility under ME DEP Chapter 856.

Spills

Based on site inspection, interviews of facility personnel and review of facility and DEP records, no evidence was found to indicate that E. Perry has had any recent spills of oil, hazardous materials or hazardous wastes. The last known spill was a 10-gallon waste oil spill in 1994 that was reported to MEDEP, who concluded that no further action beyond recovery and disposal of the waste oil was required.

Conclusion

Based on an on-site inspection, review of E. Perry's operations at their Lancaster Street and Somerset St. sites in Portland, interview of key E. Perry Personnel, and discussions with Maine DEP Bureau of Remediation and Waste Management personnel, Acadia finds that E. Perry is in substantial compliance with Maine's rules pertaining to waste management as defined in the Scope of Work described above. However ME DEP Ch. 400 rules are unclear as to whether a solid waste facility license is required for a scrap metal recycling operation such as E. Perry's.

E OF MAIN

MARK T

Sincerely,

Cc:

Mark Arienti, P.E.

Senior Environmental Engineer

ARIENTI No. 6807

David M. Hirshon, Tompkins, Chully Hirshon & Langer, P.A.

Mr. Alan Lerman E. Perry Iron & Metals, Inc. Page 5 of 6

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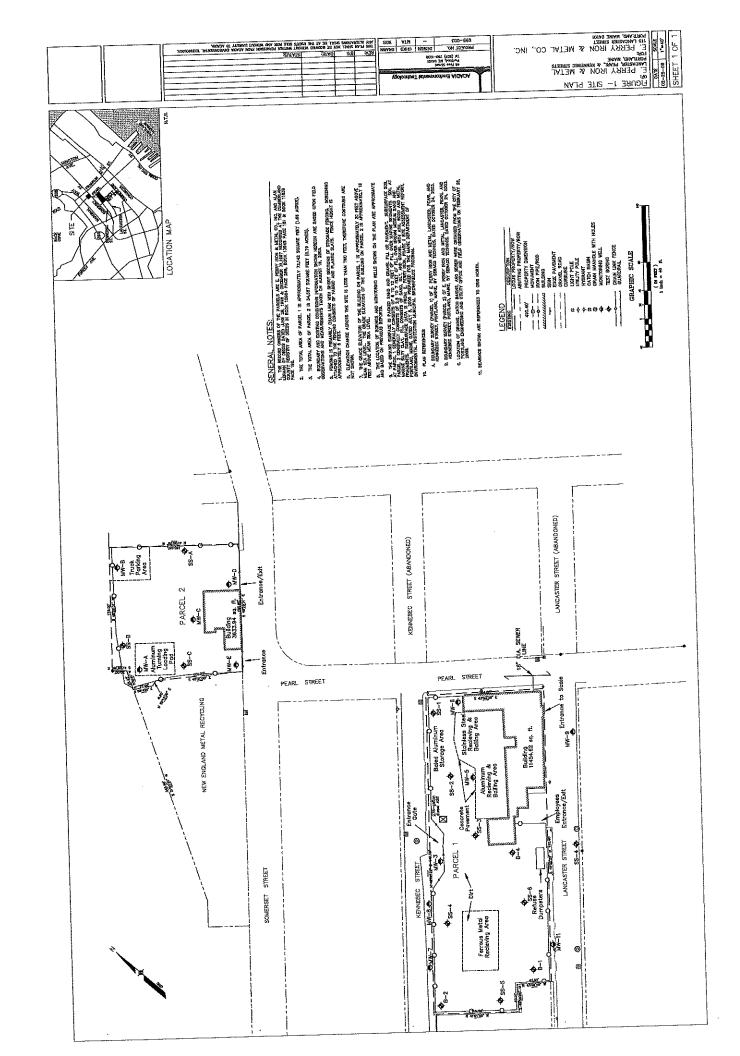
"Special waste," means any solid waste generated by sources other than household and typical commercial establishments that exists in such an unusual quantity or in such a chemical or physical state, or any combination thereof, that may disrupt or impair effective waste management or threaten the public health, human safety or the environment and requires special handling, transportation and disposal procedures. Special waste includes, but is not limited to:

- (1) Ash:
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- (3) Sludge and dewatered septage;
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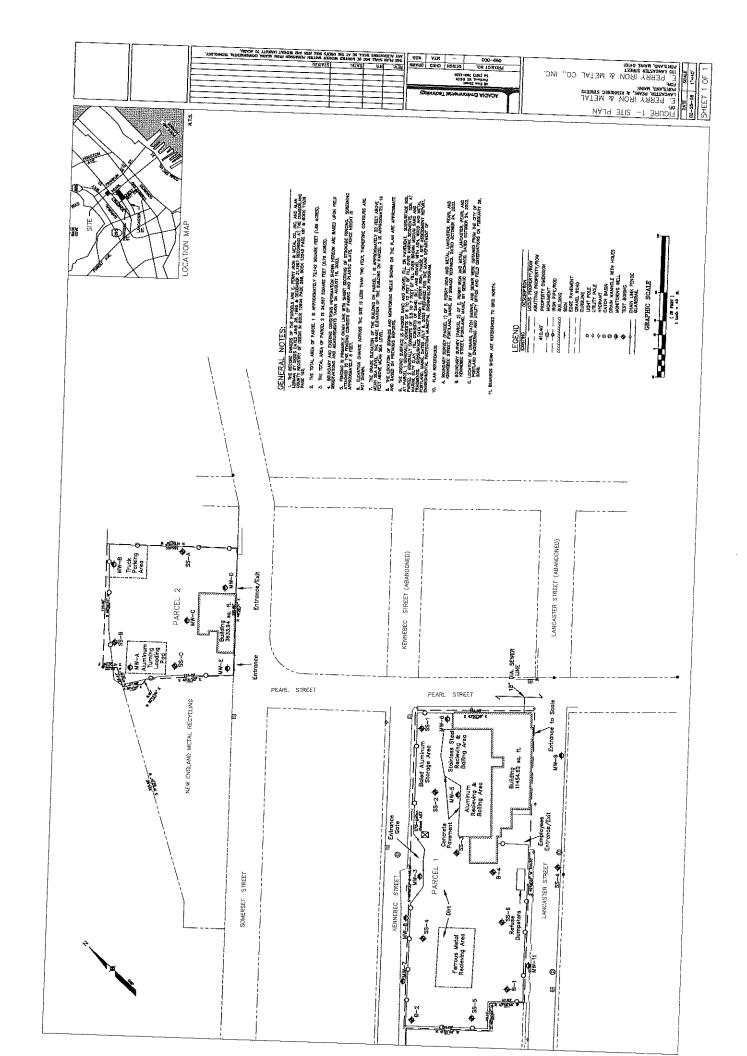


SOLD MATERIAL RECORD	YRAUNAL	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	остовея	NOVEMBER	DECEMBER	YEAR TO DATE TOTALS 1,052
YEAR TO DATE						369					-	<u> </u>	350,030
A-286	663			20,950	61,710	25,460	55,860	29,380	34,030	32,780	29,740	 	10,077
ALUMINUM, CAST	17,800	20,200	23,120	2,061	31,110	1,154	4,812		40,000	26,116	8,185	 	230,793
ALUMINUM, E.C. WIRE	2,050 82,661	9,100	28,810		12,299	10,300	21,119	21,211	10,992 27,001	20,110	69,394	-	181,442
ALUMINUM, EXTRUSION	21,943	9,305			24,611		38,493 41,320	35,860		71,430		83,760	505,750
ALUMINUM, 6061 EXTRUSION	<u> </u>	37,200	-	57,400	96,460	42,930	13,489	30,000	- 151	16,343			60,196 108,720
ALUMINUM, IRONY ALUMINUM, LITHO	5,540		12,920		11,904	<u> </u>	39,393		15,318			41,474	1,051,149
ALUMINUM, MLC	19,690		18,030	40,700	117,925	121,900	136,140	75,422	125,418		94,092	41,474	31,276
ALUMINUM, OLD	66,863	75,570	58,660	4,765	11.3925			I	6,435		 		96,097
ALUMINUM, REMELT	20,076	 	11,400	4,750	11,477			<u> </u>	26,773 1,100		 		11,667
ALUMINUM, SIDING	13,864	1,817	1	1,580		3,980	776	2,414 80.570			46,422		547,513
ALUMINUM, UBC	132,009	30,700	39,500	41,302	40,877	30,218 79,492	64,927 73,848				36,200		
ALUMINUM, WHEELS	39,900	125,500		40,922	126,561	3,817	9,339		7,273	15,850	2,900	36,940	8,921
BATTERIES, AUTO BATTERIES, INDUSTRIAL	3,340		<u> </u>	1,728	 -	8,921	1						6,844
BRASS, PIPE		<u> </u>		 						45,622	35,730		304,481
BRASS, ROD	3,610		36,890	39,396	34,396		9,410			1,243		<u> </u>	2,955
BRASS, YELLOW	53,627	 	417	-	-	1,017		27				-	206,279
CARBIDE	46,065	1	25,360		ļ	47,498				20,882		-	359,331
COMPOSITION	102,570		30,161		39,441	42,010 70,075				66,283	3	:	403,376 559,414
COPPER, #1	110,474	·	29,212						7	90,871		8	13,548
COPPER, BARE BRITE	154,200	34,617	8,787	73,625	40,480	2,656		-	2,46			-	61,891
COPPER, LEADED LITE	<u> </u>	: :	11,700	3,195		10,680		- 7,52	7 1,99	7 10,338	-		1,813
COPPER, LITE	16,45	7 360		· · · ·		- 676	1	1,06	-	:}		-	- 1,993
CU-NI, 70/90		- 55	928					- 1,00		-	-	-	232
CU-NI, 90/10	5	0 18	2		·\	-	1,55	1	. 71	5 1,12	0		- 6,608 - 2,488
HASTEALLOY HEATER CORES	43			1,21		- 68						0 4,82	
INCONEL	62			8,55	7,68			4	- 12,48				138,449
INSUI ATED WIRE, ACSR		- 18,00		0,00	1,000		-1	58,4					
INSULATED WIRE, #1 COPPER	1 00 40	- 3,40 0 36,95		46,10	102,39		6 99,75					15	- 79,075
INSULATED WIRE, #2 COPPER	33,42 14,63					5	- 4,70	8 5,9 4,4		- 4,27			6 22,240
LEAD, REGULAR	2,9		-1	-		- 1,34	-		-	-	-		3,902
LEAD, WEIGHTS	1,13		6 32	9		- 1,34		34	-	-			130
NICKEL	1,20	2 96	3 13	-		- 1,20	-				33,9	- -	117,665
DEWLEB	I	- 00 25		30,23	5 5,92	0	- 11,1		68 10,6	50 33,66		"- 	226,170
RADIATORS, ALUMINUM	31,1	36,35 70 40,36			6	- 36,74	1 29,9	45 9,5	68 10,6	- 33,0	-	-	- 800
IDADIATORS AUTU	1 31,1	- 40,00	-			00	7,4	50 4,6	10 12,5	67 12,66	60 6,1	60 3,9	00 89,081
RADIATORS, AUTO - DIRTY RADIATORS, COPPER/ALUMINUM FINS	1,6	43 8,7	70	- 8,94			7,7	,-	-	7.1			442,943
STAINLESS STEEL, 17-4		- 1,4		0 47,50	5,4	82 50,69	5,6	66 12,6				80	45,527
STAINLESS STEEL, 304	95,4	30 60,4	30 51,08 13,76					25 1,7	83 2,6	05 2,6		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	22,328
STAINLESS STEEL, 316	3,4			2 0,0	-1	-	- 5	16	50 338,0			98 339,2	20 4,211,132
STAINLESS STEEL, P-530	9,4			30 227,9	00 347,7	40 435,2	84 516,2	10 532,	00 336,0	10 001,0	-	-	
STEEL, #1	300,0	- 19/1		-T				- 11,3	200 57,2	50 32,9			316,320
STEEL/IRON, CAST STEEL, ELECTRIC MOTORS	3,6	00 61,4		57.9	90 81,3 70 179,6		80 52,4		160 236,3	50 211,3		260 169,	
STEEL, LITE	213,7	90 97,9							280 41,0	85,3	390	- - ° ''	1,253
STEEL, P&S		- 51,1	20 72,9		33,		-1	T					1,297
TIN		97	- - 	<u>-</u>		-				-1 1.5	200	-1	10,400
TITANIUM		97 357 2,5		04				305	- 29.	OBO	- 1		149,249
TURNINGS, A-286		20 34,6		20 40,2		62 3,9	17 25,	- 1.	550	-	- 8,	180	48,000
TURNINGS, ALUMINUM TURNINGS, BRASS	6,	202	<u>-Ţ-</u>	9,6	92	27.5	500	-					12,241
TURNINGS, ROD BRASS	20,			20		-	<u> </u>	- 9	981	370	550		4,074
TURNINGS, COPPER		970				- 18	324				-	-	
TURNINGS, CU-NI - 70/30	$-\!$	200	-			-					966		- 3,462 - 16,886
TURNINGS, CU-NI - 90/10		314	182	-			187 1	036		- 5,	560		13,909
TURNINGS, HASTALLOY TURNINGS, INCONEL		390 3,	713				B33	455			610		13,149
TURNINGS, INCONEL TURNINGS, MONEL	3	757 5,		300			165 4	745			889		. 8,007
TURNINGS, NICKEL			824	370		- 1,	570 1	173			,710 ,175		5,314
TURNINGS MET				656			915	760			559		- 143,693
TUDNINGS STAINLESS STEEL - 13-8				980 15	250 16						520	5,520	- 129,002 134,332
Franklinge STAINLESS STEEL 17-4			330 4,	660 6	176			,087 15	.979 11	,910 11	,325	7,674	134,332
TURNINGS, STAINLESS STEEL - 304 TURNINGS, STAINLESS STEEL - 316			060 6,			971 9 337		349 1		,020		3,940	295,300
TURNINGS, STAINLESS STEEL - P-53		,590 6				,640		- 10	,900 L			2,540	- 14,282
TURNINGS, STAINLESS OF EE				620 4B	000 39	3	668 3	,769	493	5,590	680		,620 23,149
TURNINGS, TITANIUM	4		,470		- 	100 1	,315	- [9,500	1,000			

METALS RECEIVED AT E. PERRY IRON & METAL, 2007

(quantities in pounds)

ATTACHMENT 1



ATTACHMENT 2

E. PERRY IRON & METAL CO., INC. SCRAP METAL ACCEPTANCE POLICY

In order to comply with existing federal, state and local safety and environmental laws and regulations, PLEASE TAKE NOTICE THAT the following items ("Prohibited Items") will not be accepted at our facility and MUST BE REMOVED from all loads of scrap material BEFORE DELIVERY TO OUR FACILITY.

PROHIBITED ITEMS:

- Residential, commercial and industrial scrap with refrigerants, including but not limited to Chlorofluorocarbons (CFC's) and Hydro chlorofluorocarbons (HCFC's).
- Computer monitors and televisions and any other products with Cathode Ray Tubes (CRT's).
- Residential, commercial and industrial scrap or any other products with polychlorinated biphenyls
- Wet or dry capacitors, light ballasts and electrical transformers or transformer components that may contain PCB's.
- Asbestos or asbestos containing materials such as pipe or I-Beam insulation, brake shoes or pads, tiles, packing material and debris.
- Gasoline tanks, oil filters of any kind and engine blocks containing free flowing liquids.
- Tanks, vessels and containers of all sizes unless they are cut in half and are certified to be clean.
- Air bag canisters.
- Water reactive metals (i.e., sodium, potassium and lithium), magnesium metals (capable of independent combustion), and beryllium metals (health hazard).
- Military scrap of any kind unless it is inspected and approved in advance.
- Explosives or explosive materials.
- Tires, wood, yard debris, concrete, asphalt, glass, garbage, loose rubber, dirt, or any other non-metallic materials.
- Any radioactive materials or containers.
- Universal waste lamps including but not limited to: fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide lamps.
- Waste elemental mercury, including mercury switches.
- Compressed gas cylinders, including propane bottles.
- Steel cables and wires greater than 5 feet in length.
- Oils, other petroleum products and petroleum by-products.
- Any other hazardous materials, hazardous wastes, or universal wastes as defined in 38 M.R.S.A.§1362.

IF PROHIBITED ITEMS ARE NOT REMOVED, THEY AND THE MATERIAL THEY CAME WITH MAY BE REJECTED AND THE APPROPRIATE REGULATORY AGENCY WILL BE NOTIFIED, AS NECESSARY. IN LIEU OR REJECTION, WE RESERVE THE RIGHT, AT OUR DISCRETION, TO PROPERLY REMOVE AND DISPOSE OF THE PROHIBITED ITEMS AT SUPPLIER'S EXPENSE.



Universal Waste Requirements **STORAGE**

Generators, owners or operators of any central accumulation or consolidation facility and transporters of universal waste must comply with the requirements for the storage of universal waste in accordance with Chapter 850, Section 3A (13) of the Rules. These provisions are summarized below:

- 1. Universal waste must be stored in a secured area, which can be locked when not in use.
- 2. Universal waste storage areas must be designated by a clearly marked sign, which states "Universal Hazardous Waste Storage" or the type of waste being stored there, i.e. "Waste Cathode Ray Tube Storage", "Waste Lamp Storage", "Waste Mercury Device Storage", "Waste Mercury Thermostat Storage", "Waste Motor Vehicle Switch Storage", "Waste PCB Ballast Storage".
- 3. Store all universal waste in containers.
 - a. The containers must not show evidence of leakage, spillage or damage that could cause leakage under reasonably foreseeable conditions.
 - The containers must be closed, structurally sound and compatible with the waste.
- 4. Each container must be labeled with the date you first put universal waste in it. (This date is called the accumulation start date) and the date the container becomes full, if you wish to store universal wastes for more than 365 days. (See #6 below.)
- 5. Universal waste containers should be marked with the type of waste they contain, i.e. "Waste Cathode Ray Tubes", "Waste Lamps", "Waste Mercury Devices", "Waste Mercury Thermostats", "Waste Motor Vehicle Switches", "Waste PCB Ballasts".
- 6. A generator cannot store universal waste for more than 365 days from the date the waste is first placed in the container. However, there is an exception, which allows additional storage time where it is needed to fill a container of waste no larger than the following container sizes and the container is shipped no more than 90 days from the date the container is filled*:
 - a. Batteries: A container no larger than 30 gallons.
 - b. Cathode Ray Tubes: One gaylord container, usually 24 CRTs will fit in one gaylord.
 - c. Lamps: A container designed for no more than 190 lamps.
 - d. Mercury Thermostats: A container no larger than 30 gallons.
 - e. Mercury Devices: A container no larger than 55 gallons.
 - f. Motor Vehicle Mercury Switches: A container no larger than 5 gallons.
 - g. PCB Ballasts: A container no larger than 30 gallons.

E. PERRY IRON & METAL CO., INC. SCRAP METAL ACCEPTANCE POLICY

In order to comply with existing federal, state and local safety and environmental laws and regulations, PLEASE TAKE NOTICE THAT the following items ("Prohibited Items") will not be accepted at our facility and MUST BE REMOVED from all loads of scrap material BEFORE DELIVERY TO OUR

PROHIBITED ITEMS:

- Residential, commercial and industrial scrap with refrigerants, including but not limited to Chlorofluorocarbons (CFC's) and Hydro chlorofluorocarbons (HCFC's).
- Computer monitors and televisions and any other products with Cathode Ray Tubes (CRT's).
- Residential, commercial and industrial scrap or any other products with polychlorinated biphenyls
- Wet or dry capacitors, light ballasts and electrical transformers or transformer components that may contain PCB's,
- Asbestos or asbestos containing materials such as pipe or I-Beam insulation, brake shoes or pads, tiles,
- Gasoline tanks, oil filters of any kind and engine blocks containing free flowing liquids.
- Tanks, vessels and containers of all sizes unless they are cut in half and are certified to be clean.
- Water reactive metals (i.e., sodium, potassium and lithium), magnesium metals (capable of independent combustion), and beryllium metals (health hazard).
- Military scrap of any kind unless it is inspected and approved in advance.
- Explosives or explosive materials.
- Tires, wood, yard debris, concrete, asphalt, glass, garbage, loose rubber, dirt, or any other non-metallic
- Any radioactive materials or containers.
- Universal waste lamps including but not limited to: fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide lamps.
- Waste elemental mercury, including mercury switches.
- Compressed gas cylinders, including propane bottles.
- Steel cables and wires greater than 5 feet in length.
- Oils, other petroleum products and petroleum by-products.
- Any other hazardous materials, hazardous wastes, or universal wastes as defined in 38 M.R.S.A.§1362.

IF PROHIBITED ITEMS ARE NOT REMOVED, THEY AND THE MATERIAL THEY CAME WITH MAY BE REJECTED AND THE APPROPRIATE REGULATORY AGENCY WILL BE NOTIFIED, AS NECESSARY. IN LIEU OR REJECTION, WE RESERVE THE RIGHT, AT OUR DISCRETION, TO PROPERLY REMOVE AND DISPOSE OF THE PROHIBITED ITEMS AT SUPPLIER'S EXPENSE.

*Motor vehicle mercury switches must be shipped off at least every three years from when waste is first placed in the container regardless of whether the 5 gallon container is filled.

- 7. Universal waste must be stored so they are not exposed to the weather.
- 8. Universal waste must be packed in containers with packing materials adequate to prevent breakage during storage, handling and transportation. The use of sectional or egg carton type of packing materials is suggested. The type and amount of packing materials should be adequate to prevent breakage during normal handling and shipping. Certain universal wastes are more fragile than others and will require more care in this regard. Other universal wastes are less fragile such as metal motor vehicle switches and are unlikely to break if placed in a container without packing material. A few motor vehicle switches are made of glass and do need packing material to protect them from breakage.
- 9. Full Universal waste containers must be sealed securely around box openings. Any universal waste containers must immediately be sealed if incidental breakage occurs. This is an extremely important provision to prevent any broken items from escaping the container, exposing the workers and contaminating the storage area and transportation vehicle. Wide tape with good adhesive properties and that is waterproof is a good choice for boxes. Duct tape often comes loose with time and is not a good choice for most situations.
- 10. Boxes of universal waste must not be stacked more than 5 feet high. This prevents crushing of items stored in boxes in the lower levels.
- 11. Universal waste storage areas must be inspected weekly and the inspection documented in a written inspection log (see Appendix A). The log must include the following items:
 - a. Name of the inspector.
 - b. Date of the inspection.
 - c. Condition of all waste containers.
 - d. Description of any problem noted during the inspection and action taken
 - e. Number and type of universal waste on site. (This item may be located somewhere other than the log.)

Small Universal Waste Generators are not required to meet the above weekly inspection requirements except for keeping track of the number and type of universal waste items on site. However, it is recommended that an inspection be conducted whenever waste is added to the universal waste area to reduce the potential for contamination or exposure to universal waste.



- 12. Universal waste containers must be stored to facilitate inspection of the container. The inspector shall be able to determine the accumulation start date, container full date, and the container's condition.
- 13. All releases of waste and residues resulting from spills or leaks of universal waste must, immediately, be contained and transferred into a container that meets the requirements of the Maine Hazardous Waste Management Rules.
 - Incidental breakage of ten (10) or fewer lamps or CRTs may still be handled as universal waste. Spills resulting from other than incidental breakage must be handled as hazardous waste in accordance with Chapter 850, Section 3A(13)(e)(viii). The total amount of broken lamps and CRTs in storage may exceed ten (10) items provided no breakage event exceeds the incidental limits. Incidental breakage should however be a rare occasion. If frequent breakage is occurring, the generator, facility and transporter should review their handling procedures and packing materials to ensure that they are adequate for the job. See Appendix B for a suggested spill clean up plan that the Department developed for use by small universal waste generators.
 - 14. Generators that accumulate more than 200 items of universal waste or more than 4,000 motor vehicle mercury switches at any one time or in any given month, must notify the Maine Department of Environmental Protection of the handling of universal waste and must obtain either an EPA Identification Number or a State Identification Number.

- *Motor vehicle mercury switches must be shipped off at least every three years from when waste is first placed in the container regardless of whether the 5 gallon container is filled.
- 7. Universal waste must be stored so they are not exposed to the weather.
- 8. Universal waste must be packed in containers with packing materials adequate to prevent breakage during storage, handling and transportation. The use of sectional or egg carton type of packing materials is suggested. The type and amount of packing materials should be adequate to prevent breakage during normal handling and shipping. Certain universal wastes are more fragile than others and will require more care in this regard. Other universal wastes are less fragile such as metal motor vehicle switches and are unlikely to break if placed in a container without packing material. A few motor vehicle switches are made of glass and do need packing material to protect them from breakage.
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Attachment G: Operations Manual

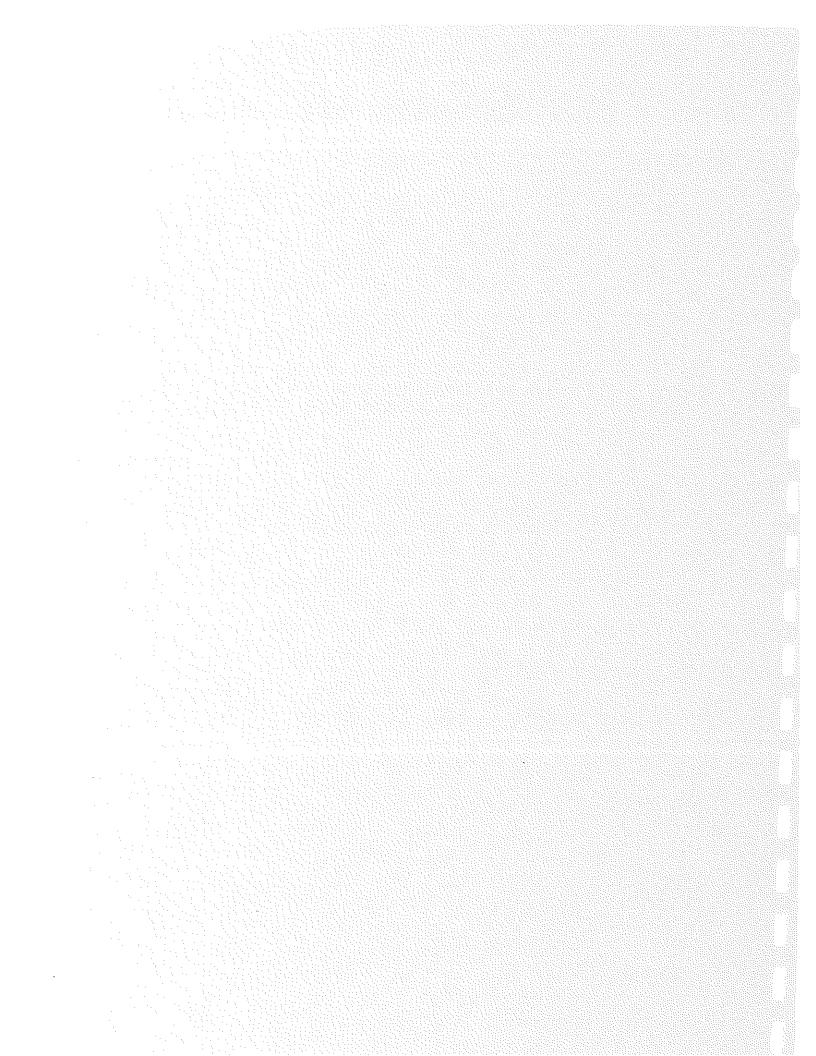
Scrap Metal Recycling Facilities Permit Application Chapter 31, Portland City Code §31-1 et. Seq. E. Perry Iron & Metal Co. Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology
48 Free Street
Portland, Maine 04101



OPERATIONS MANUAL

E. PERRY IRON & METAL Co. Inc. Portland, Maine

Prepared for:

E. Perry Iron & Metal 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101

Revised: April 11, 2008

Mark T. Arienti, PE Senior Environmental Engineer MARK T.

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TABLE OF CONTENTS

Section 1 Section 2 Section 3 Section 4 Section 5 Section 6	Introduction
	ATTACHMENTS
Attachment 1 Attachment 2 Attachment 3 Attachment 4 Attachment 5 Attachment 6	Scrap Metal Acceptance Policy Special and Hazardous Waste Exclusion Plan Reduced Requirements for Small Universal Waste Generators List of Equipment Training Checklist for New Employees Employee Manual

OPERATIONS MANUAL

E. PERRY IRON & METAL Co. Inc. Portland, Maine

Prepared for:

E. Perry Iron & Metal 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101

Revised: April 11, 2008

Mark T. Arienti, PE Senior Environmental Engineer MARK T.
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1.0 INTRODUCTION

Purpose and Scope

The purpose of this Operations Manual is to describe E. Perry and Iron & Metal's (E. Perry's) company policies and operational procedures. This Operations Manual has been prepared to address the requirements of applicable Maine Department of Environmental Protection (MEDEP) Solid Waste Regulations.

Company Objective

E. Perry Iron & Metal Co., Inc.'s objective is to purchase ferrous and non-ferrous metals for resale to recyclers. Essential to the company's viability is control of all unnecessary costs of production. Primary among non-production costs are those required to keep people, equipment and facilities functioning. For this reason, company management is committed to managing workplace safety so as to avoid these unnecessary costs. It is expected that all employees will comply with all elements of the company's safe work requirements.

Annual Review

E. Perry will review the Operations Manual annually and update it as necessary to reflect changes in equipment, materials used or received, operating procedures, and/or regulatory requirements.

Facility Organization/Management

The Facility Owner and General Manager is Mr. Alan Lerman. All employees report to Mr. Lerman.

2.0 SITE DESCRIPTION AND FEATURES

Introduction

E. Perry's Facility includes two sites: one at 9 Somerset Street (Somerset St. Site) and 115 Lancaster Street (Lancaster St. Site) in Portland, Maine. The sites are located in the downtown "Bayside" area of Portland.

The Lancaster Street Site, where the majority of facility operations occur, is approximately one acre in size and occupies one city block. The streets bordering the property are Pearl Street to the northeast, Kennebec Street to the northwest, Chestnut Street to the southwest, and Lancaster Street to the southeast. The property has a building on the eastern corner of the premises, which consists of a small office, entrance gate, and truck scale for the scrap metal yard. The rest of the parcel is open with several sorted piles of various scrap metal. There is a road or path through the parcel that is used by site cranes and trucks delivering materials to the facility.

The Somerset Street Site is less than one acre in size. Bordering this parcel to the northeast is a vacant field, to the northwest are railroad tracks, to the southwest is a scrap metal yard (different ownership), and to the southeast is Somerset Street. The property has a fence on all sides and two locking gates on Somerset Street. There is one small building on the eastern corner of the parcel, which functions as a small office and work shop. The rest of the parcel is open with several parked semi-truck trailers. The property is paved with a loading ramp facing the railroad tracks in the western corner of the parcel.

<u>Physical Setting:</u> Topography at both locations is relatively level, with regional topography sloping toward Portland's Back Cove, which lies approximately 1,300 feet to the northwest. The sites have approximately 3.5 to 11 feet of fill over marine sediments. The sites are approximately 9 feet above mean sea level. The depth to groundwater across the sites averages approximately 6 feet.

Site History and Land Use: The sites were originally an historic reclaimed area (filled wetland/surface water) and have been used as a scrap metal salvage yards since 1896.

Adjacent Property Land Use: The properties adjacent to both parcels consist of industrial and commercial properties.

1.0 INTRODUCTION

Purpose and Scope

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3.0 FACILITY OPERATIONS

Introduction

E. Perry Iron & Metal Co., Inc. was established in 1896 by Eli Perry and they've been operating at the Lancaster Street location since its inception. They provide scrap metal recycling services to the municipal, commercial, industrial, and private sectors.

The facility hours of operation are Monday-Friday from 7AM to 3PM and Saturday from 7AM through 11AM.

Services at the Lancaster Street location include on-site container services, receiving scrap metals for recycling, and scheduled removal of scrap metals for industrial and commercial customers.

- E. Perry buys ferrous and non-ferrous scrap metals including aluminum, brass, bronze, copper, lead, auto batteries, stainless steel, cast iron, steel, insulated copper & aluminum wire, radiators, alloys, nickel, catalytic converters, and zinc.
- E. Perry does not accept appliances (refrigerators, dryers, stoves, etc.), motor vehicles, closed tanks, or cylinders. However, they do accept tanks and cylinders that have been cut in half and cleaned. E. Perry also does not accept any liquid, chemical, or hazardous materials of any kind. A detailed list of prohibited items is included as Attachment 1. This list is provided to all customers and is posted at the facility entrance where delivery trucks are weighed in.
- E. Perry's Somerset Street site includes a concrete pad from which aluminum turnings are loaded into trailers for off-site shipment. No other scrap metal handling operations occur at this site. A small building is used as an office and workshop for performing minor equipment maintenance and repair. The Somerset St. site is also used as a parking area for E. Perry's truck fleet as well as for storage of empty steel barrels for industrial accounts to collect and ship their turnings and other small metal pieces to E. Perry.

Materials Receiving and Handling

The scrap metals are received or sometimes picked up from industrial, commercial, or residential customers, sorted, baled and/or boxed and shipped off-site for resale to secondary markets. The materials are shipped off as soon as possible so the holding time at the site is minimal.

E. Perry's primary materials receiving area is on Lancaster Street near its intersection with Pearl Street. Vehicles enter at this location, are weighed and then enter the yard to drop off their load. Larger loads may be required to enter through the gates on Kennebec St. (see Site Plan, Figure 1). Signs which list prohibited materials are posted prominently at the main receiving area. In addition, E. Perry posts its Scrap Metal



Acceptance Policy (see Attachment 1) to all customers. E. Perry also inspects all loads of material for prohibited materials prior to acceptance. If prohibited material is detected, the customer will be notified and the load, or at least a portion of the load, will be rejected.

Upon receipt the material is weighed and then placed in the appropriate area based on type of metal and size. The primary scale is located next to the office at the Lancaster Street receiving entrance; loads of small pieces of non-ferrous metals, generally shipped in steel barrels, are received and weighed inside.

Larger pieces of steel as well as steel turnings are received in the main yard area as indicated in the Site Plan. Some, but not all, aluminum as well as copper wire is received and baled by either the horizontal or vertical balers located under an overhang in the building. Baled wire and aluminum are stacked along the fence line adjacent to Kennebec St. in the northeastern end of the site. Machine shop turnings (steel, bronze, brass, copper, and titanium) are collected in Gaylord boxes or steel barrels, which are then stored in the warehouse or sometimes, when this area is full, in shipping containers just off the southwest end of the building along Lancaster Street.

Lead-acid automobile batteries are received and placed in heavy-duty Gaylord boxes on pallets in a room adjacent to the scale. Once the pallet is full, it is taken out to an enclosed shipping container that is located along the fence line on the Lancaster Street side toward the southwest end of the site. These batteries will only be collected and stored in an inside location and placed over some type of device, either metal, cardboard or plastic, which contains any battery fluid leakage.

The Somerset St. site is used for shipping out loads of aluminum turnings. The aluminum turnings are received on the elevated concrete pad and then loaded into the trailers for shipment off site.

Facility Security

The facility is enclosed by a chain-link fence of at least 8 feet height (and up to 10 feet) with attached screening of varying materials. There are at least two gated entrances at each site. The gates are locked at the end of each work day to prevent site access.

During hours when the facility is open for business facility attendants are stationed at the main entrance and in the yard to oversee site access and use. The facility is only open for business when site access and use is adequately overseen by E. Perry personnel.

Waste Generation, Handling and Disposal

E. Perry is a recycling facility, not a waste disposal nor a waste transfer facility. Waste of any kind generated by E. Perry is minimal and limited to office and packaging rubbish. This waste is placed in one of two 6-yard dumpsters, which are picked up daily by Carey Rubbish Removal.

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- E. Perry does not accept appliances (refrigerators, dryers, stoves, etc.), motor vehicles, closed tanks, or cylinders. However, they do accept tanks and cylinders that have been cut in half and cleaned. E. Perry also does not accept any liquid, chemical, or hazardous materials of any kind. A detailed list of prohibited items is included as Attachment 1. This list is provided to all customers and is posted at the facility entrance where delivery trucks are weighed in.
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The generation of waste types other than rubbish at E. Perry is described below.

<u>Hazardous Waste</u>: Based on the type of materials received and the types of operations performed at the facility, E. Perry would not generate hazardous waste (as defined under Maine's *Identification of Hazardous Wastes* rule, 06-096 CMR 850) under normal conditions.

As indicated in Attachment 1, E. Perry does not accept hazardous materials or hazardous wastes. E. Perry communicates this policy to its customers and also inspects every load to confirm that prohibited materials are not accepted. E. Perry also does not provide for disposal of prohibited items that customers inadvertently bring to its facility. However, E. Perry does refer customers that inadvertently bring such prohibited items to a qualified hazardous waste disposal vendor such as Clean Harbors Environmental Services or ENPRO services so that the material can be properly disposed of.

One recyclable item that could result in hazardous waste under unusual conditions is automobile batteries. These batteries contain lead electrodes and utilize sulfuric acid as the electrolyte. Physical damage of the battery casing can result in leakage of the sulfuric acid, which due to very low pH would be considered hazardous waste. E. Perry does not accept damaged lead acid automotive batteries since they may leak hazardous materials, which would be dangerous to employees and require disposal as hazardous waste.

After receipt of lead acid or other batteries containing hazardous electrolyte solutions, E. Perry will place these batteries on pallets and/or in other containers that have the capability to contain any leakage that may occur. These pallets/containers will be stored in a secure indoor location until shipped off-site for recycle.

If an automotive battery becomes damaged after being accepted for recycle, E. Perry will contact a company qualified to handle hazardous materials and wastes to perform any required cleanup and disposal. E. Perry's Special and hazardous Waste Exclusion Plan is included as Attachment 2 to this manual.

<u>Universal Waste:</u> Universal Waste includes batteries (other than automotive batteries), cathode ray tubes (television and computer displays), fluorescent and other mercury-containing lamps, mercury thermostats, other mercury devices, motor vehicle mercury switches, and PCB ballasts.

E. Perry uses fluorescent lamps in its office and warehouse areas. When these lamps reach the end of their useful life, the following actions are taken:

- They are removed and placed in an area with a sign indicating "Universal Waste Storage", which is located in a secure area within the Warehouse building;
- The used lamp is placed in a cardboard container whose size and shape allows for safe lamp storage and is labeled "Universal Waste Lamps",

- The box is labeled with the date that a Universal Waste item was first placed in the container.
- When a container is full its openings are sealed, and it is labeled with the date that
 it became full.
- Within 365 days (at the most), the container is shipped to a Universal Waste recycling company. Typically, the materials will be taken to the City of Portland Riverside Recycling Center, which consolidates used lamps in accordance to Maine Hazardous Waste Regulations.
- E. Perry will periodically inspect the Universal Waste Storage area for compliance with DEP requirements and maintain a log of the number and type of Universal Waste items.
- If E. Perry accumulates more than 200 items of universal waste items at any one time or in any given month, they will notify the Maine Department of Environmental Protection of the handling of universal waste and obtain either an EPA Identification Number or a State Identification Number.

The source of the used bulbs at E. Perry is overhead lighting in the office and Warehouse. They don't receive use lamps or any other Universal Waste from customers. E. Perry does not under normal conditions generate other types of Universal Waste, but if other materials (such as computer monitors) are generated they will be handled in a similar manner.

Since the total number of used bulbs accumulated by E. Perry is well below the 200 threshold at any one time, E. Perry qualifies for the Reduced Requirements for Small Universal Waste Generators, which are summarized in Attachment 3.

Oily Waste:

E. Perry generates approximately one to two 55-gallon drums of oily waste annually as a result of performing oil changes on equipment such as the cranes and the baling machines. This oil is collected in an empty barrel, and sent to 3G's Tire and Auto Center on Fox St. in Portland where it is used as fuel to power their *Clean Burn* waste oil furnace. E. Perry will maintain records documenting transfer of waste oil to 3G's Tire and Auto Center and other facilities.

Oil changes will only be performed outside when there is no precipitation occurring. Oil changes will only be performed by persons trained in oil spill response procedures. Oil changes will only be performed when oil-absorbing materials are readily available to soak up any spilled material. Drums or other containers used to collect used oil will be covered when not in use and stored in an indoor location.

Special Waste: City of Portland, Code of Ordinances, Section 31-4 references 06 CMR 405 for the definition of Special Waste, but the actual definition is presented in 06-096 CMR 850 (Maine's *Identification of Hazardous Wastes* rule).

The generation of waste types other than rubbish at E. Perry is described below.

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As indicated in Attachment 1, E. Perry does not accept hazardous materials or hazardous wastes. E. Perry communicates this policy to its customers and also inspects every load to confirm that prohibited materials are not accepted. E. Perry also does not provide for disposal of prohibited items that customers inadvertently bring to its facility. However, E. Perry does refer customers that inadvertently bring such prohibited items to a qualified hazardous waste disposal vendor such as Clean Harbors Environmental Services or ENPRO services so that the material can be properly disposed of.

One recyclable item that could result in hazardous waste under unusual conditions is automobile batteries. These batteries contain lead electrodes and utilize sulfuric acid as the electrolyte. Physical damage of the battery casing can result in leakage of the sulfuric acid, which due to very low pH would be considered hazardous waste. E. Perry does not accept damaged lead acid automotive batteries since they may leak hazardous materials, which would be dangerous to employees and require disposal as hazardous waste.

After receipt of lead acid or other batteries containing hazardous electrolyte solutions, E. Perry will place these batteries on pallets and/or in other containers that have the capability to contain any leakage that may occur. These pallets/containers will be stored in a secure indoor location until shipped off-site for recycle.

If an automotive battery becomes damaged after being accepted for recycle, E. Perry will contact a company qualified to handle hazardous materials and wastes to perform any required cleanup and disposal. E. Perry's Special and hazardous Waste Exclusion Plan is included as Attachment 2 to this manual.

<u>Universal Waste:</u> Universal Waste includes batteries (other than automotive batteries), cathode ray tubes (television and computer displays), fluorescent and other mercury-containing lamps, mercury thermostats, other mercury devices, motor vehicle mercury switches, and PCB ballasts.

E. Perry uses fluorescent lamps in its office and warehouse areas. When these lamps reach the end of their useful life, the following actions are taken:

- They are removed and placed in an area with a sign indicating "Universal Waste Storage", which is located in a secure area within the Warehouse building;
- The used lamp is placed in a cardboard container whose size and shape allows for safe lamp storage and is labeled "Universal Waste Lamps",

"Special waste," means any solid waste generated by sources other than household and typical commercial establishments that exists in such an unusual quantity or in such a chemical or physical state, or any combination thereof, that may disrupt or impair effective waste management or threaten the public health, human safety or the environment and requires special handling, transportation and disposal procedures. Special waste includes, but is not limited to:

- (1) Ash
- (2) Industrial and industrial process waste;
- (3) Sludge and dewatered septage;
- (4) Debris from nonhazardous chemical spills and cleanup of those spills;
- (5) Contaminated soils and dredge materials;
- (6) Asbestos and asbestos-containing waste;
- (7) Sand blast grit and non-liquid paint waste;
- (8) High and low pH waste;
- (9) Spent filter media residue; and
- (10) Shredder residue.

If E. Perry generates any waste fitting this description, it will be segregated and placed in a separate container. A vendor that can provide special waste management services will be contacted to determine how the material will be disposed.

Operational Records

E. Perry maintains records on the type and quantity of materials received, the equipment used and personnel training provided, and any deviations from the approved Operations Manual. These records will be maintained on file at 115 Lancaster Street by the Facility Manager.



4.0 EQUIPMENT

Introduction

E. Perry utilizes several pieces of equipment in its metal recycling operations including:

- two magnet cranes to pick up and sort through ferrous metals,
- two excavators and two front end loaders to move and load scrap metal,
- five vertical bailing machines and two other bailing machines to package scrap metal,
- three hydraulic sheers to cut metal, and
- several forklifts and skid steers.

A detailed list of equipment is included in Attachment 4. This equipment is regularly inspected, and preventative maintenance is performed to ensure that it functions safely and efficiently. Inspection and maintenance protocol are described below.

Cranes, fork lift trucks, skid steers, and all other trucks or equipment used in material handling shall only be operated by trained and assigned employees.

- Only company authorized operators shall operate cranes.
- Only trained employees shall operate forklift trucks and skid steers.
- Only appropriately licensed and trained employees shall operate dump trucks and other Class 1 or 2 vehicles.

Inspection and Maintenance

OSHA standards at 29 CFR 191 0.180 (d) (2) require "Regular Inspection". E. Perry's preventative maintenance program addresses vehicle and equipment inspection procedures for frequent inspections -those conducted daily to monthly. All vehicle and equipment operators and respective supervisors are required to strictly comply with the following procedures:

- 1. A clipboard with a supply of checklist forms entitled "Daily Vehicle Operator's List" will be provided for each piece of motorized material handling equipment.
- 2. Operators will use checklist daily for all listed items and indicate in "Needs Repair" block specific defective item that requires maintenance and/or repairs.
- 3. Operators will initial block at bottom of each day's form.
- 4. Management will review reports weekly to determine that all items have been repaired, sign reports and turn reports into the main office to be logged and filed.

Any questions or problems relating to these scheduled inspections shall be referred to Management for resolution.

"Special waste," means any solid waste generated by sources other than household and typical commercial establishments that exists in such an unusual quantity or in such a chemical or physical state, or any combination thereof, that may disrupt or impair effective waste management or threaten the public health, human safety or the environment and requires special handling, transportation and disposal procedures. Special waste includes, but is not limited to:

- (1) Ash;
- (2) Industrial and industrial process waste;
- (3) Sludge and dewatered septage;
- (4) Debris from nonhazardous chemical spills and cleanup of those spills;
- (5) Contaminated soils and dredge materials;
- (6) Asbestos and asbestos-containing waste;
- (7) Sand blast grit and non-liquid paint waste;
- (8) High and low pH waste;
- (9) Spent filter media residue; and
- (10) Shredder residue.

If E. Perry generates any waste fitting this description, it will be segregated and placed in a separate container. A vendor that can provide special waste management services will be contacted to determine how the material will be disposed.

Operational Records

E. Perry maintains records on the type and quantity of materials received, the equipment used and personnel training provided, and any deviations from the approved Operations Manual. These records will be maintained on file at 115 Lancaster Street by the Facility Manager.

Training

E. Perry provides training to all new employees to ensure that they can operate the equipment they are assigned to safely and efficiently. A checklist is provided to ensure that all new employees receive this training (Attachment 5).

Follow-up training is performed when new equipment is installed and/or when operating or maintenance procedures are changed.

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5.0 ENVIRONMENTAL MONITORING

E. Perry performs environmental monitoring in accordance with the Scrap Metal Recycling Facility Rules (Rules) promulgated by the City of Portland (City) under Chapter 31, Scrap Metal Recycling Facilities, Revised July 19, 2006, of its Code of Ordinances. This includes annual testing of groundwater as detailed in Rule #8 (a) of the Rules.

Training

E. Perry provides training to all new employees to ensure that they can operate the equipment they are assigned to safely and efficiently. A checklist is provided to ensure that all new employees receive this training (Attachment 5).

Follow-up training is performed when new equipment is installed and/or when operating or maintenance procedures are changed.

6.0 SAFETY

E. Perry has implemented a comprehensive safety program, which is described in detail in their Employee Manual. The Employee Manual is included as Attachment 6. Basic safety responsibilities are defined below.

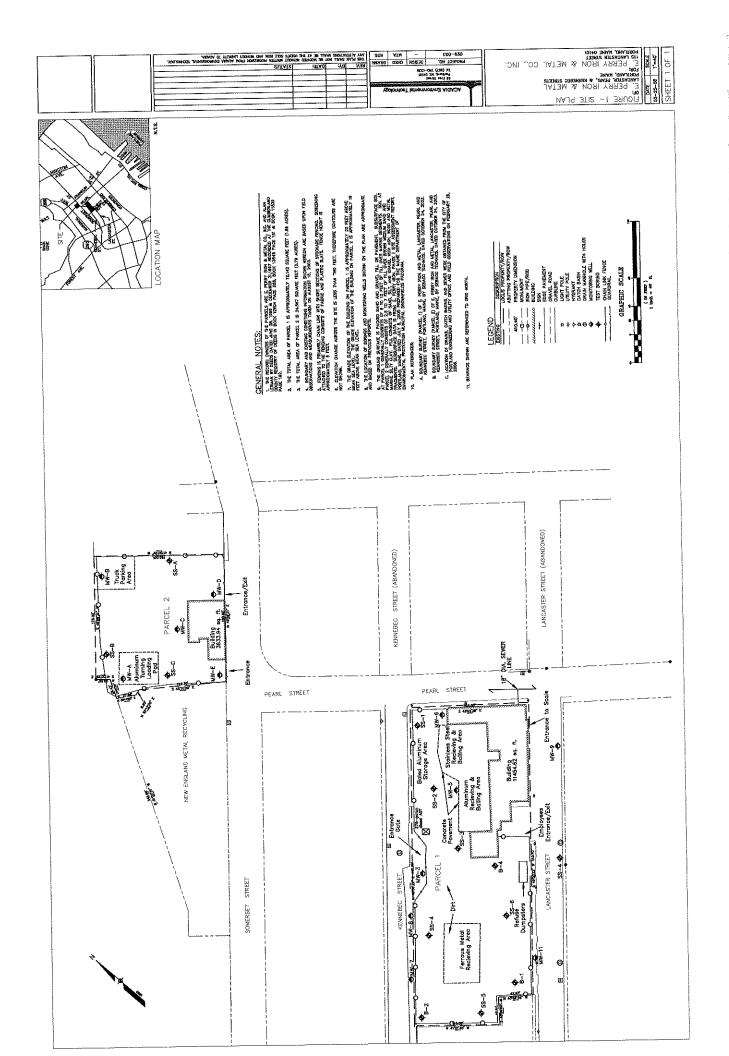
Management

Management is responsible for providing a safe working environment for employees. This includes ensuring that process and materials handling equipment necessary to perform their work is available and in safe working order, and that training is provided on potential hazards and how to work in a manner that minimizes exposure to these hazards.

Employees

Employees must maintain a degree of responsibility for their personal behavior to avoid injury to themselves and co-workers. Employees are required to comply with company work standards. Failure to comply with any requirement can threaten employees, equipment or facilities and can result in disciplinary action up to and including discharge.

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E. PERRY IRON & METAL CO., INC. SCRAP METAL ACCEPTANCE POLICY

In order to comply with existing federal, state and local safety and environmental laws and regulations, **PLEASE TAKE NOTICE THAT** the following items ("Prohibited Items") will not be accepted at our facility and **MUST BE REMOVED** from all loads of scrap material **BEFORE DELIVERY TO OUR FACILITY.**

PROHIBITED ITEMS:

- Residential, commercial and industrial scrap with refrigerants, including but not limited to Chlorofluorocarbons (CFC's) and Hydro chlorofluorocarbons (HCFC's).
- Computer monitors and televisions and any other products with Cathode Ray Tubes (CRT's).
- Residential, commercial and industrial scrap or any other products with polychlorinated biphenyls (PCB's).
- Wet or dry capacitors, light ballasts and electrical transformers or transformer components that may contain PCB's.
- Asbestos or asbestos containing materials such as pipe or I-Beam insulation, brake shoes or pads, tiles, packing material and debris.
- Gasoline tanks, oil filters of any kind and engine blocks containing free flowing liquids.
- Tanks, vessels and containers of all sizes unless they are cut in half and are certified to be clean.
- Air bag canisters.
- Water reactive metals (i.e., sodium, potassium and lithium), magnesium metals (capable of independent combustion), and beryllium metals (health hazard).
- Military scrap of any kind unless it is inspected and approved in advance.
- Explosives or explosive materials.
- Tires, wood, yard debris, concrete, asphalt, glass, garbage, loose rubber, dirt, or any other non-metallic materials.
- Any radioactive materials or containers.
- Universal waste lamps including but not limited to: fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide lamps.
- Waste elemental mercury, including mercury switches.
- Compressed gas cylinders, including propane bottles.
- Steel cables and wires greater than 5 feet in length.
- Oils, other petroleum products and petroleum by-products.
- Any other hazardous materials, hazardous wastes, or universal wastes as defined in 38 M.R.S.A.§1362.

IF PROHIBITED ITEMS ARE NOT REMOVED, THEY AND THE MATERIAL THEY CAME WITH MAY BE REJECTED AND THE APPROPRIATE REGULATORY AGENCY WILL BE NOTIFIED, AS NECESSARY. IN LIEU OR REJECTION, WE RESERVE THE RIGHT, AT OUR DISCRETION, TO PROPERLY REMOVE AND DISPOSE OF THE PROHIBITED ITEMS AT SUPPLIER'S EXPENSE.

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- 1. Facility Safety Officer. Justin Lerman shall be designated as the "facility safety officer". Annually, the facility safety officer shall work with the Portland Fire Chief and/or a qualified hazardous materials specialist to provide training to the operator's staff on:
 - A. Detection of hazardous and special waste;
 - B. Appropriate notification procedures; and
 - C. Appropriate handling procedures.
- 2. Identification/Notification of Prohibited Wastes. Prohibited hazardous and special wastes shall not be accepted at E. Perry. To ensure this, the attendant shall check all loads delivered to the facility. The type of container and origin of the material can help identify hazardous wastes and special wastes.

The following list will help with the identification and handling of materials of concern.

PROHIBITED ITEMS:

- Residential, commercial and industrial scrap with refrigerants, including but not limited to Chlorofluorocarbons (CFC's) and Hydro chlorofluorocarbons (HCFC's).
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- Tanks, vessels and containers of all sizes unless they are cut in half and are certified to be clean.
- Air bag canisters.
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- Military scrap of any kind unless it is inspected and approved in advance.
- Explosives or explosive materials.
- Tires, wood, yard debris, concrete, asphalt, glass, garbage, loose rubber, dirt, or any other non-metallic materials.
- Any radioactive materials or containers.
- Universal waste lamps including but not limited to: fluorescent, high intensity discharge, neon, mercury vapor, high-pressure sodium, and metal halide lamps.
- Waste elemental mercury, including mercury switches.
- Compressed gas cylinders, including propane bottles.
- Steel cables and wires greater than 5 feet in length.
- Oils, other petroleum products and petroleum by-products.
- Biomedical wastes
- Any kind of liquid materials
- Any other hazardous materials, hazardous wastes, or universal wastes as defined in 38 M.R.S.A.§1362.

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- 3. Finding and Reacting to an Unknown Waste. When unknown material is found at the facility, the attendant shall identify the material to determine whether it is licensed solid waste, special waste, or hazardous waste. If hazardous, universal, or biomedical waste, the attendant shall attempt to identify the person who has left, delivered, or attempted to deliver the hazardous waste and notify the DEP.
 - A. While keeping a safe distance upwind from the material, the attendant may attempt to determine the following, if safe to do so:
 - (1) Look for container or waste labeling;
 - (2) Determine the physical state of the material (solid, liquid, or gas);
 - (3) Estimate container size or amount of waste; and
 - (4) Determine the type and condition of the container or packaging.
 - B. If the material is determined to potentially be hazardous, the attendant shall:
 - (1) Evacuate and secure the area of the facility site around the material;
 - (2) If safely feasible, determine if there is any release of the material to the soil, water, or air;
 - (3) If safely feasible, determine if any release found has been confined or is ongoing.; and
 - (4) Undertake the appropriate notification procedure below.

4. Notification.

- A. When hazardous waste or suspected hazardous waste is found left at the solid waste facility, the attendant shall:
 - (1) Notify the DEP anytime at 1-800-482-0777 or the Maine State Police at 1-800-452-4664, or
 - (2) If the attendant knows that the local fire department has received training and is qualified to respond to hazardous materials, notify the fire department at (207) 874-8400 or 911 for an emergency.
- B. When prohibited special waste is found left at the facility, the attendant shall notify a solid waste staff person at the DEP regional office between 8 a.m. to 5 p.m., Monday through Friday and the appropriate municipal official to authorized qualified removal.
- C. If the attendant cannot identify the material, notify the Portland Fire Department and DEP at the numbers listed above for assistance in identification. If sampling and further detection of hazardous or special waste is required, a qualified hazardous waste handling firm or solid waste contractor must be used, as appropriate.

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5. Clean-up/decontamination.

- A. Only trained personnel shall handle hazardous wastes. Such training shall follow the guidelines of 29 CFR Part 1910.120. None of E. Perry's employees have received training to handle hazardous materials or wastes.
- B. Prohibited special wastes shall be removed from the area where found by a properly qualified contractor and transported to a special or hazardous waste disposal facility licensed to accept that waste as soon as possible, but not more than 3 days.
- C. A hazardous and special waste holding area will be designated on site. Because hazardous wastes require special training to handle, and to minimize the area of potential contamination, any hazardous waste found at the facility will be removed by qualified personnel from the facility as soon as possible

6. Emergency Information.

- A. The attendant shall have the following telephone numbers available at the solid waste facility to telephone notifications or radio requests for notifications to the dispatchers:
 - (1) DEP, Bureau of Remediation & Waste Management appropriate regional office number during normal business hours and DEP emergency spill number: 1-800-482-0777 for after hours or on weekends.
 - (2) Portland Fire Department: 874-8400 or 911 for emergencies
 - (3) Hazardous Waste Contractor: Clean Harbors (207-799-8111)
 - (4) Cumberland County Sheriff: (800-266-1444)
 - (5) Ambulance: (911)
 - (6) Maine State Police: 1-800-452-4664 for reporting hazardous waste, and
 - (7) Maine Poison Center: 1-800-442-6305
- B. The closest location for emergency medical care is Maine Medical Center. To get there, Head southwest on Lancaster St toward Chestnut St, Turn left at Chestnut St, Turn right at Cumberland Ave, Slight left at Deering Ave/ME-25, continue to 22 Bramhall St.
- 7. Written reports. A written spill report shall be filed with the DEP, Bureau of Remediation & Waste Management within 15 days of any incident involving hazardous waste or material. The report must indicate:
 - A. date and time of incident;
 - B. location;

- 3. Finding and Reacting to an Unknown Waste. When unknown material is found at the facility, the attendant shall identify the material to determine whether it is licensed solid waste, special waste, or hazardous waste. If hazardous, universal, or biomedical waste, the attendant shall attempt to identify the person who has left, delivered, or attempted to deliver the hazardous waste and notify the DEP.
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 - (1) Evacuate and secure the area of the facility site around the material;
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- C. If the attendant cannot identify the material, notify the Portland Fire Department and DEP at the numbers listed above for assistance in identification. If sampling and further detection of hazardous or special waste is required, a qualified hazardous waste handling firm or solid waste contractor must be used, as appropriate.

- C. material lost or spilled;
- D. amount lost or spilled;
- E. amount recovered;
- F. cause of the incident;
- G. corrective action taken;
- H. clean-up methods used;
- I. disposition of recovered materials;
- J. list of agencies notified;
- K. time agency responded on site.

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Universal Waste Requirements STORAGE

Generators, owners or operators of any central accumulation or consolidation facility and transporters of universal waste must comply with the requirements for the storage of universal waste in accordance with Chapter 850, Section 3A (13) of the Rules. These provisions are summarized below:

- 1. Universal waste must be stored in a secured area, which can be **locked** when not in use.
- 2. Universal waste storage areas must be designated by a clearly marked sign, which states "Universal Hazardous Waste Storage" or the type of waste being stored there, i.e. "Waste Cathode Ray Tube Storage", "Waste Lamp Storage", "Waste Mercury Device Storage", "Waste Mercury Thermostat Storage", "Waste Motor Vehicle Switch Storage", "Waste PCB Ballast Storage".
- 3. Store all universal waste in containers.
 - a. The containers must not show evidence of leakage, spillage or damage that could cause leakage under reasonably foreseeable conditions.
 - b. The containers **must be closed**, structurally sound and compatible with the waste.
- 4. Each container must be labeled with the date you first put universal waste in it. (This date is called the accumulation start date) and the date the container becomes full, if you wish to store universal wastes for more than 365 days. (See #6 below.)
- 5. Universal waste containers should be marked with the type of waste they contain, i.e. "Waste Cathode Ray Tubes", "Waste Lamps", "Waste Mercury Devices", "Waste Mercury Thermostats", "Waste Motor Vehicle Switches", "Waste PCB Ballasts".
- 6. A generator **cannot** store universal waste for more than **365** days from the date the waste is *first placed* in the container. However, there is an exception, which allows additional storage time where it is needed to fill a container of waste no larger than the following container sizes and the container is shipped **no more than 90 days** from the date the container is filled*:
 - a. Batteries: A container no larger than 30 gallons.
 - b. Cathode Ray Tubes: One gaylord container, usually 24 CRTs will fit in one gaylord.
 - c. Lamps: A container designed for no more than 190 lamps.
 - d. Mercury Thermostats: A container no larger than 30 gallons.
 - e. Mercury Devices: A container no larger than 55 gallons.
 - f. Motor Vehicle Mercury Switches: A container no larger than 5 gallons.
 - g. PCB Ballasts: A container no larger than 30 gallons.

- C. material lost or spilled;
- D. amount lost or spilled;
- E. amount recovered;
- F. cause of the incident;
- G. corrective action taken;
- H. clean-up methods used;
- I. disposition of recovered materials;
- J. list of agencies notified;
- K. time agency responded on site.

- *Motor vehicle mercury switches must be shipped off at least every three years from when waste is first placed in the container regardless of whether the 5 gallon container is filled.
- 7. Universal waste must be stored so they are not exposed to the weather.
- 8. Universal waste must be packed in containers with packing materials adequate to prevent breakage during storage, handling and transportation. The use of sectional or egg carton type of packing materials is suggested. The type and amount of packing materials should be adequate to prevent breakage during normal handling and shipping. Certain universal wastes are more fragile than others and will require more care in this regard. Other universal wastes are less fragile such as metal motor vehicle switches and are unlikely to break if placed in a container without packing material. A few motor vehicle switches are made of glass and do need packing material to protect them from breakage.
- 9. Full Universal waste containers must be sealed securely around box openings.

 Any universal waste containers must immediately be sealed if incidental breakage occurs. This is an extremely important provision to prevent any broken items from escaping the container, exposing the workers and contaminating the storage area and transportation vehicle. Wide tape with good adhesive properties and that is waterproof is a good choice for boxes. Duct tape often comes loose with time and is not a good choice for most situations.
- 10. Boxes of universal waste must not be stacked more than 5 feet high. This prevents crushing of items stored in boxes in the lower levels.
- 11. Universal waste storage areas must be inspected **weekly** and the inspection documented in a **written inspection log** (see Appendix A). The log must include the following items:
 - a. Name of the inspector.
 - b. Date of the inspection.
 - c. Condition of all waste containers.
 - d. Description of any problem noted during the inspection and action taken to fix it.
 - e. Number and type of universal waste on site. (This item may be located somewhere other than the log.)

Small Universal Waste Generators are not required to meet the above weekly inspection requirements except for keeping track of the number and type of universal waste items on site. However, it is recommended that an inspection be conducted whenever waste is added to the universal waste area to reduce the potential for contamination or exposure to universal waste.



- 12. Universal waste containers must be stored to facilitate inspection of the container. The inspector shall be able to determine the accumulation start date, container full date, and the container's condition.
- 13. All releases of waste and residues resulting from spills or leaks of universal waste must, immediately, be contained and transferred into a container that meets the requirements of the Maine Hazardous Waste Management Rules.
 - Incidental breakage of ten (10) or fewer lamps or CRTs may still be handled as universal waste. Spills resulting from other than incidental breakage must be handled as hazardous waste in accordance with Chapter 850, Section 3A(13)(e)(viii). The total amount of broken lamps and CRTs in storage may exceed ten (10) items provided no breakage event exceeds the incidental limits. Incidental breakage should however be a rare occasion. If frequent breakage is occurring, the generator, facility and transporter should review their handling procedures and packing materials to ensure that they are adequate for the job. See Appendix B for a suggested spill clean up plan that the Department developed for use by small universal waste generators.
- 14. Generators that accumulate more than 200 items of universal waste or more than 4,000 motor vehicle mercury switches at any one time or in any given month, must notify the Maine Department of Environmental Protection of the handling of universal waste and must obtain either an EPA Identification Number or a State Identification Number.

- *Motor vehicle mercury switches must be shipped off at least every three years from when waste is first placed in the container regardless of whether the 5 gallon container is filled.
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- 8. Universal waste must be packed in containers with packing materials adequate to prevent breakage during storage, handling and transportation. The use of sectional or egg carton type of packing materials is suggested. The type and amount of packing materials should be adequate to prevent breakage during normal handling and shipping. Certain universal wastes are more fragile than others and will require more care in this regard. Other universal wastes are less fragile such as metal motor vehicle switches and are unlikely to break if placed in a container without packing material. A few motor vehicle switches are made of glass and do need packing material to protect them from breakage.
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E. PERRY IRON & METAL CO., INC.

equipment schedule

YEAR	OUA #	DESCRIPTION	SERIAL #	YEAR PURCHASED	PURCHASEI NEW/USED
a hadrette tre canno accord		A STATE OF THE PARTY OF THE PAR	9LR2269	1970	USED
1962	<u>C1</u>	LINK BELT LS98 BOOM CHANE	ALUSSON	1870	USED
		CHANE MAGNET	01 50 000 0	1985	USED
1970	C2	LINK BELT LS96A BOOM CRANE	9LRA3918	1900	USED
		CRANE MAGNET			
		LINK BELT LS2800A EXCAVATOR WITH			USED
1982	C3	HYDRAULIC GRAPPLE	35H2257A	1997	USED
		KOMATSU PC300 LC-6 EXCAVATOR WITH		0004	HOED
1999	C4	HYDRAULIC GRAPPLE	A83272	2004	USED USED
1971	(ALLIS CHALMERS FRONT END LOADER	- ?	1982	
		TOYOTA 1.5 TON FORKLIFT	?	1982	USED
		PETTI BONE 4WX FRONT END LOADER	7	1982	USED
1984	F2	SELCO VERTICAL BAILING MACHINE VAL 4.5	0584157	1985	NEW
4000	P3	PHILADELPHIA VERTICAL BAILING MACHINE	B8T6047	1989	USED
1988	P4	ECONOMY CHAIN BAILING PRESS	57429	1980	USED
	P5	PIQUA VERTICAL BAILING PRESS	?	1982	USED
B000	P7	ATLAS HORIZONTAL BAILING PRESS	126348	2000	NEW
2000		LORAN VERTICAL BAILING MACHINE	LR-147	2001	UŞED
1990	P8	ATLAS VERTICAL BAILER	126348	2004	USED
1985	P9	STRIPTECH WIRE STRIPPER - MODEL 5000	3066	2007	NEW
2007	ST2	METTLER TOLEDO TRUCK SCALE	1155962-1AK (SCALE)		
		I .	01213206LJ (DISPLAY)	2008	NEW
2008		(PORTLAND) TRUCK SCALE (SCARBOROUGH)	?	1982	USED
			· · · · · · ·	1993	NEW
		HOWE PLATFORM SCALE	1	1993	NEW
		HOWE PLATFORM SCALE	GP138MB-125-6925KOF		NEW
1988	F2	CLARK GP-530 FORKLIFT CLARK CGP25 FORKLIFT WITH ROTATING	GE TOURISM (20 GOLDINO)		
1995	F7	FORKS	P365L-0857-9396	1999	USED
1399	 	TOYOTA 42-6FGCU15 FORKLIFT WITH			
1999	F8	ROTATING FORKS	68306	1999	NEW
2003	F10	TOYOTA 7FGU30 FORKLIFT	64204	2003	NEM
2006	F11	TOYOTA 8FGCU25 FORKLIFT	10125	2007	NEW
2000	1 1 1 1	TOYOTA 8FGCU15 FORKLIFT WITH			
2006	F12	HOTATING FORKS	10073	2007	NEW
2008	SS4	GEHL SL4635SX SKIDSTEER	301560	2001	NEW
	SS5	GEHL SL4635SX SKIDSTEER	28251	2005	USED
2001	SS6	GEHL SL4640E SKIDSTEER	04640P00308721	2007	NEW
2006 -	SH1	GENSCO 12" 306LS HYDRAULIC SHEAR		1998	NEW
1998	SH1	MCINTYRE MODEL 407 HYDRAULIC SHEAR		1999	NEW
1999	SH3	MCINTYRE MODEL 407 HYDRAULIC SHEAR	607-00	2000	NEW
2000	1 2013	MACK GRAPPLE (OPSIHDCR-100-4)	12671	2007	NEW
2007	1	INDOLOUGH IN THE TOLOUGH AND ALL CARE OF			

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New Hire Safety Checklist

Employee Name:
Hire Date:
Dept.:
Supervisor:
Supervisor:Employee Signature:
THE THE SENTENCE OF THE SENTEN
Receive and review general job description/requirements (prior to first day of employment)
Inform employee of appropriate work attire and protective gear (provided if applicable)
Administer employee handbook o Sign acknowledgement that handbook was received and reviewed
Review appropriate lifting techniques and materials handling
Review rules of good housekeeping in work areas
Comprehension of yard safety; familiarize with facility and surroundings; areas to avoid when work is in progress.
Overview of equipment and vehicles that will be used.
Distribution of Forklift operation and safety manual.
Operator's ability to perform check-sheet inspection for safe operation of truck prior to use.
Satisfactory completion of forklift driving examination (required to be an authorized forklift operator at E. Perry).
Knowledge of injury reporting & treatment o If any injury does occur on the job report immediately to supervisor o Treatment by designated physician (Concentra) if necessary

E. PERRY IRON & METAL CO., INC.

EQUIPMENT SCHEDULE

YEAR	OUR #	DESCRIPTION	SERIAL#	YEAR PURCHASED	PURCHASE NEW/USED
1962	C1	INVESTITATION FOOTION			THE PERSON NAMED OF THE PERSON
1902		LINK BELT LS98 BOOM CHANE	9LR2269	1970	USED
1970	C2	CRANE MAGNET			USED
1310	<u> </u>	LINK BELT LS98A BOOM CRANE	9LRA3918	1985	USED
		CRANE MAGNET			
1982	E O	LINK BELT LS2800A EXCAVATOR WITH	1		
1902	C3	HYDRAULIC GRAPPLE	35H2257A	1997	USED
1999	G4	KOMATSU PC300 LC-6 EXCAVATOR WITH			
1971	L,14	HYDRAULIC GRAPPLE	A83272	2004	USED
107:		ALLIS CHALMERS FRONT END LOADER	?	1982	USED
		TOYOTA 1.5 TON FORKLIFT	?	1982	USED
		PETTI BONE 4WX FRONT END LOADER	7	1982	USED
1984	F2	SELCO VERTICAL BAILING MACHINE VAL 4.5	0584157	1985	NEW
1988	Рз	PHILADELPHIA VERTICAL BAILING MACHINE	0.07500 (75		
	P4	ECONOMY CHAIN BALLING PRESS	68T6047	1989	USED
	P5	PIQUA VERTICAL BAILING PRESS	57429	1980	USED
2000	P7	ATLAS HORIZONTAL BAILING PRESS	·}	1982	USED
1990	P8	LORAN VERTICAL BAILING MACHINE	126348	2000	NEW
1985	P9	IATLAS VERTICAL BAILER	LR-147	2001	USED
2007	ST2	STRIPTECH WIRE STRIPPER - MODEL, 5000	126348	2004	USED
	- VII	METTLER TOLEDO TRUCK SCALE	3066	2007	NEW
2008		(PORTLAND)	1155962-1AK (SCALE)		
		TRUCK SCALE (SCARBOROUGH)	01213206LJ (DISPLAY)	2008	NEW
<u> </u>		HOWE PLATFORM SCALE	?	1982	USED
		HOWE PLATFORM SCALE	7	1993	NEW
1988	F2	CLARK GP-S30 FORKLIFT	L	1993	NEW
1000	3 2.1	CLARK CGP25 FORKLIFT WITH BOTATING	GP138MB-125-6925KOF	1989	NEW
1995	F7	FORKS TOYOTA 42-6FGCU15 FORKLIFT WITH	P365L-0857-9396	1999	USED
1999	F3	ROTATING FORKS			
2003	F10	TOYOTA 7FGU30 FORKLIFT	68306	1999	NEW
2006	F11	TOYOTA /FG030 FORKLIFT	64204	2003	NEM
-2000		TOYOTA 8FGCU15 FORKLIFT WITH	10125	2007	NEW
2006	F12	ROTATING FORKS			
2001	SS4	GEHL SL4635SX SKIDSTEER	10073	2007	NEW
2001	SS5	GEHL SL4635SX SKIDSTEEN	301560	2001	NEW
2006	\$\$6	GEU OLAGOS OKIDOTEED	28251	2005	USED
1998	SH1	GEHL SL4640E SKIDSTEER GENSCO 12" 306LS HYDRAULIC SHEAR	04640P00308721	2007	NEW
1999	SH1 SH2	MONTY DE MODEL 402 LIVED AVIDE OCCUPANT		1998	NEW
2000	SH2 SH3	MCINTYRE MODEL 407 HYDRAULIC SHEAR		1999	NEW
2007	OUG	MCINTYRE MODEL 407 HYDRAULIC SHEAR	607-00	5000	NEW
E007		MACK GRAPPLE (OPSIHDCR-100-4)	12671	2007	NEW

E. PERRY IRON & METAL CO., INC.

EMPLOYEE SAFETY & WORKPLACE HANDBOOK

SAFETY IS EVERYBODY'S BUSINESS

This Safety & Workplace handbook is issued to inform you about company safety and workplace policies and requirements, which will enable you to perform your work in a safe manner and avoid personal injury to yourself and your co-workers.

You are expected to read this handbook and take the necessary precautions that apply to your particular job assignment.

If there are any questions regarding any items in this handbook, please discuss them with your immediate supervisor.

E. PERRY IRON & METAL CO., INC.

EMPLOYEE SAFETY & WORKPLACE HANDBOOK

COMPANY OBJECTIVE

E. Perry Iron & Metal Co., Inc.'s objective is to purchase ferrous & non-ferrous metals for resale to recyclers.

Essential to the company's viability is control of all unnecessary costs of production. Primary among non-production costs are those required to keep people, equipment and facilities functioning. For this reason, company management is committed to managing workplace safety so as to avoid these unnecessary costs.

It is expected that all employees will comply with all elements of the company's safe work requirements.

SAFETY POLICY STATEMENT

THE SAFETY OF ALL EMPLOYEES
IS A CRITICAL FACTOR TO THE
EFFICIENT OPERATION OF THIS COMPANY.

SAFETY RESPONSIBILITIES

MANAGEMENT:

Management's basic safe work responsibility is to require safe work behaviors. Management will provide and maintain equipment and conditions that will not generate injury.

MANAGEMENT WILL NOT CONDONE, PERMIT, ACCEPT, OR TOLERATE VIOLATIONS OF THE STANDARDS IN THIS HANDBOOK.

EMPLOYEES:

Employees must maintain a degree of responsibility for their personal behavior to avoid injury to themselves and co-workers. Employees are required to comply with company work standards. Failure to comply with any requirement which threaten employees, equipment or facilities can result in disciplinary action up to and including discharge.

SECTION I - GENERAL SAFETY

BASIC STANDARDS

The following standards are general and apply to all employees throughout the company. Violations will be subject to disciplinary action up to and including discharge.

- 1. Personal protective equipment (specifically: hard hats, safety glasses, steel toe shoes, gloves) and other appropriate safety equipment required for specific operations shall be worn when required. Safety belts and attached lanyard shall be worn whenever working 6' or more above ground level. Other sections in this handbook will address specific equipment. Wearing personal protective equipment when required, as well as appropriate work clothing is continual conditions of employment.
- 2. Smoking is strictly prohibited when refueling vehicles and when connecting oxygen/acetylene/propane gas cylinders.
- 3. Employees shall not operate any equipment unless specifically trained and assigned by a supervisor. Only company employees are authorized to operate Company equipment. Under no circumstances are employees to allow any non-employee or untrained/unauthorized employee to operate company equipment.
- 4. Only authorized personnel are allowed in or to operate the cranes and excavator.

COMPANY OBJECTIVE

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Essential to the company's viability is control of all unnecessary costs of production. Primary among non-production costs are those required to keep people, equipment and facilities functioning. For this reason, company management is committed to managing workplace safety so as to avoid these unnecessary costs.

It is expected that all employees will comply with all elements of the company's safe work requirements.

<u>SAFETY POLICY STATEMENT</u>

THE SAFETY OF ALL EMPLOYEES
IS A CRITICAL FACTOR TO THE
EFFICIENT OPERATION OF THIS COMPANY.

- Repairs to equipment shall be performed as directed by a supervisor. The repair
 person shall be responsible to disconnect and secure all sources of power (tag and
 lock-out the appropriate switches <u>before</u> beginning work and replace all guards
 following repairs.)
- Compressed air and/or oxygen shall not be used to clean clothes or body. Any form
 of horseplay with compressed air and/or oxygen is prohibited and violators will be
 subjected to prompt disciplinary action.
- 7. Horseplay, practical jokes, fighting and hitching rides on equipment is prohibited.
- 8. Use of alcoholic beverages or illegal drugs, or working under the influence of alcoholic beverages or illegal drugs, is prohibited throughout the company and on any property of E. Perry Iron & Metal Co. and will be grounds for immediate discharge.
- 9. Defective tools and equipment shall be reported promptly to a supervisor and removed from service (removed from its work area) until repaired.
- 10. Unsafe and/or hazardous conditions must be promptly reported to a supervisor.
- 11. Motor vehicles and material handling equipment shall not exceed 5 MPH in and/or around the yard.
- 12. Finger rings, loose jewelry, loose long hair, and loose clothing shall not be worn while working on machinery.
- 13. All compressed gas (oxygen, propane, acetylene) cylinders shall be secured with non-combustible material at all times. Cylinder caps shall be in place when transporting cylinders.
- 14. Only properly grounded electrical tools shall be used. Electrical plugs with broken ground pins shall be reported for repairs.
- 15. Report fires promptly and proceed to control fire with appropriate fire extinguishers if capable of doing so. <u>Do not use water on any electrical fire</u>. Primary response to a fire is to alert and evacuate.
- 16. A fire extinguisher shall be readily available and within the area of <u>any</u> hot work. Hot work is defined as any burning, brazing, welding or other spark producing work operation. Access to fire extinguishers shall not be blocked in any way. Production hot work shall not be done inside any building.
- 17. Employees shall maintain good housekeeping practices at all times. Empty cans, bottles, lunch wrapping and other debris shall be placed in trashcans. Waste oil, old

parts and all waste materials following completion of repair work shall be properly discarded. The job is not completed until the work area has been cleaned.

- 18. Pile materials, skids, bins, boxes, or other equipment so as not to block aisles, exits, fire-fighting equipment, electrical lighting or power panel, valves, etc. FIRE DOORS AND AISLES MUST BE KEPT CLEAR.
- 19. Employees are not to engage in practices that may be inconsistent with ordinary and reasonable common sense safety rules.

SECTION II - PERSONAL PROTECTIVE EQUIPMENT

The correct personal protective equipment when properly worn can be an effective method of preventing personal injuries to workers exposed to known hazards.

To prevent injuries due to recognized hazards, personal protective equipment is required at E. Perry Iron & Metal Co. as follows:

1. HEAD PROTECTION PROGRAM:

- (a) Hard hats will be provided for all employees and shall be worn in all yard and warehouse areas.
- (b) Hard hats shall be worn with the inner suspension liners. (The winter liner is not a substitute for the suspension liner. The suspension liner shall be worn **over** the winter liner.)
- (c) Holes shall not be drilled into the hard hat to provide extra ventilation. Holes weaken the shell and the hard hat may not withstand the required Federal standard impact requirement.
- (d) Damaged hard hats shall be promptly replaced. Employees will be required to report the cause of the damage or loss to the appropriate supervisor.

2. EYE PROTECTIVE PROGRAM

(a) Employees performing "eye hazardous operations" such as: drilling, chipping, grinding, handling acids or caustic solutions, burning, welding and other operations as determined by management shall wear appropriate eye protection such as spectacles with side shields, cover-all goggles, face shields, burner and welder's goggles, and rubber formed eye wear, as necessary and with appropriately shaded lenses.

- 5. Repairs to equipment shall be performed as directed by a supervisor. The repair person shall be responsible to disconnect and secure all sources of power (tag and lock-out the appropriate switches <u>before</u> beginning work and replace all guards following repairs.)
- 6. Compressed air and/or oxygen shall not be used to clean clothes or body. Any form of horseplay with compressed air and/or oxygen is prohibited and violators will be subjected to prompt disciplinary action.
- 7. Horseplay, practical jokes, fighting and hitching rides on equipment is prohibited.
- 8. Use of alcoholic beverages or illegal drugs, or working under the influence of alcoholic beverages or illegal drugs, is prohibited throughout the company and on any property of E. Perry Iron & Metal Co. and will be grounds for immediate discharge.
- 9. Defective tools and equipment shall be reported promptly to a supervisor and removed from service (removed from its work area) until repaired.
- 10. Unsafe and/or hazardous conditions must be promptly reported to a supervisor.
- 11. Motor vehicles and material handling equipment shall not exceed 5 MPH in and/or around the yard.
- 12. Finger rings, loose jewelry, loose long hair, and loose clothing shall not be worn while working on machinery.
- 13. All compressed gas (oxygen, propane, acetylene) cylinders shall be secured with non-combustible material at all times. Cylinder caps shall be in place when transporting cylinders.
- 14. Only properly grounded electrical tools shall be used. Electrical plugs with broken ground pins shall be reported for repairs.
- 15. Report fires promptly and proceed to control fire with appropriate fire extinguishers if capable of doing so. Do not use water on any electrical fire. Primary response to a fire is to alert and evacuate.
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- 17. Employees shall maintain good housekeeping practices at all times. Empty cans, bottles, lunch wrapping and other debris shall be placed in trashcans. Waste oil, old

- (b) All eye protection gear will be provided by the company. Damaged eyewear shall be promptly replaced. Employees will be required to report the cause of the damage or loss to the appropriate supervisor.
- (c) Contact lenses shall not be worn when performing "hot work".

3. FOOT PROTECTION PROGRAM

- (a) Steel Toe (safety) shoes shall be worn at all times in all company work areas. The steel toe safety shoe shall be a thick, slip resistant sole, ankle high work shoe (boot).
- (b) Sneakers, sandals, moccasins, thin soled low cut dress shoes, or similar non-work type footwear is strictly forbidden.
- (c) After one year of employment, the company will contribute up to \$50.00 per year towards a new pair of safety shoes. A purchase receipt is required for reimbursement.

4. HAND PROTECTION PROGRAM

- (a) Leather palmed work gloves shall be worn at all times while handling materials.
- (b) Bare hands, glove liners, fingerless gloves, or any other type of gloves not approved by management are strictly forbidden.
- (c) The company will supply one pair of work gloves per week per employee.

NOTE: Excessive loss of personal protective equipment beyond reasonable wear and tear could result in disciplinary actions.

SECTION III – SAFE & QUALITY PRODUCTION MEETINGS

Meetings shall be held on company time.

1. PURPOSE:

The purpose of these meetings is to aid management in providing a safe working environment in all areas. By increasing employee safety awareness and developing a safe working attitude, losses resulting in personal injury and/or damage to company property is prevented.

2. FUNCTIONS:

- (a) For employees to identify and to report unsafe conditions or practices in their respective areas.
- (b) For employees to participate in monthly site inspections.
- (c) To review and discuss accident investigation reports and to provide constructive recommendations as necessary to prevent recurrences of similar incidents.
- (d) To promote the company's commitments and assist in developing a positive attitude among co-workers.
- (e) To review items of the monthly inspections and determine appropriate corrective action.
- (f) To review and discuss other pertinent work issues.

SECTION IV - INJURY/ILLNESS REPORTING

Employees shall promptly report any work related injury and/or illness. Failure to promptly report any injury/illness or refusal to accept medical treatment as provided, may jeopardize an employee's compensation benefits or unnecessarily delay adjudication of such claims.

1. EMPLOYEES SHALL FOLLOW THESE PROCEDURES:

- (a) Report to the nearest supervisor, or to the main office for "Authorization for Medical Treatment". (Note: First aid supplies available for minor injuries.)
- (b) Report to our designated medical provider for any treatment. Our medical provider is Concentra Medical Center 1600 Congress Street, Portland, ME 04102. For immediate emergencies, either Maine Medical Center or Mercy Hospital's emergency room will be the designated treatment facility. At no time will an employee transport an injured employee in his/her personal vehicle.
- (c) In all instances, following treatment, report to the main office with any medical status reports. Failure to follow this procedure could jeopardize or delay medical and compensation benefits.
- (d) Every possible effort will be made to provide injured employees with, what is called "limited duty work" (work after injury and during period of recovery directed at return to full status). Such work assignments will be guided by medical evaluations and written descriptions of work capacities. Any vaguely written medical directions not consistent with a common understanding of what an injured person may do will

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be returned to the medical provider for clarification so that the company can make assignments in the best interests of the employee, of company needs and of the employees restoration to full capacity as soon as possible. (i.e.: we will provide work opportunities to injured employees but not without explicit direction from the medical provider so that we do not injure the employee further or retard full recovery.)

SECTION V - CRANE INSPECTIONS

Scheduled crane inspections and preventive maintenance are considered effective methods of preventing material handling accidents.

OSHA standards at 29 CFR 1910.180 (d) (2) requires "Regular Inspection".

This program addresses the crane inspection procedures for frequent inspections - those conducted daily to monthly. All crane operators and respective supervisors shall strictly comply with the following procedures:

- 1. A clipboard with a supply of checklist forms entitled "Daily/Weekly Crane Operator's List" will be provided for each crane.
- 2. Operators will use checklist daily for all listed items and indicate in "Needs Repair" block specific defective item that requires maintenance and/or repairs.
- 3. Operators will initial block at bottom of each day's form.
- Management will review reports weekly to determine that all items have been repaired, sign reports and turn reports into the main office to be logged and filed.

Any questions or problems relating to these scheduled crane inspections shall be referred to Management for resolution.

SECTION VI - VEHICLE / EQUIPMENT INSPECTIONS

Scheduled vehicle and equipment inspections and preventive maintenance are considered effective methods of preventing material handling accidents.

OSHA standards at 29 CFR 1910.180 (d) (2) requires "Regular Inspection".

This program addresses our vehicle and equipment inspection procedures for frequent inspections - those conducted daily to monthly. All vehicle and equipment operators and respective supervisors shall strictly comply with the following procedures:

- 1. A clipboard with a supply of checklist forms entitled "Daily Vehicle Operator's List" will be provided for each piece of motorized material handling equipment.
- 2. Operators will use checklist daily for all listed items and indicate in "Needs Repair" block specific defective item that requires maintenance and/or repairs.
- 3. Operators will initial block at bottom of each day's form.
- 4. Management will review reports weekly to determine that all items have been repaired, sign reports and turn reports into the main office to be logged and filed.

Any questions or problems relating to these scheduled inspections shall be referred to Management for resolution.

SECTION VII - OPERATING POLICIES

One or more of the following operating policies shall guide all operations of the company. No bypassing or change will be permitted unless top management changes the policy in writing. Following these policies is a condition of employment. Violations may render the violator subject to disciplinary action up to and including discharge.

- 1. Chemicals and hazardous materials may be found in all areas of the operation. All work with hazardous materials shall be done with due respect to the nature of the hazard. Appropriate procedures and personal protective equipment will be used (to include eye and face protection, skin protection, exposure control to vapors and fumes) when handling hazardous materials. No one will handle hazardous materials unless specifically trained and properly equipped to handle them. All stored hazardous materials will be stored in areas with appropriate signage. All containers not in batch areas shall be labeled as to what they contain. Material Safety Data Sheets (MSDS) for all materials used by employees or to which employees could be exposed in the course of their employment at E. Perry Iron & Metal Co., Inc. are maintained on file in the company office. Access to any and all sheets is a right of all employees. If any employee desires to review such material, the employee should request the MSDS from the Office Manager, during normal business hours, and it will be provided within a reasonable time frame. If an employee requests that a copy be made for an individual material, the Office Manager will provide such a copy at no cost to the employee, again within a reasonable time frame. "Reasonable" can be understood as "within the shift during which it was requested". Requests made within one hour of the end of the shift or workday may be delayed until the next shift if required by business circumstances.
- 2. When repair or maintenance work on powered equipment places the employee within an operating hazard, the equipment will be de-energized and locked out at the power

be returned to the medical provider for clarification so that the company can make assignments in the best interests of the employee, of company needs and of the employees restoration to full capacity as soon as possible. (i.e.: we will provide work opportunities to injured employees but not without explicit direction from the medical provider so that we do not injure the employee further or retard full recovery.)

SECTION V - CRANE INSPECTIONS

Scheduled crane inspections and preventive maintenance are considered effective methods of preventing material handling accidents.

OSHA standards at 29 CFR 1910.180 (d) (2) requires "Regular Inspection".

This program addresses the crane inspection procedures for frequent inspections - those conducted daily to monthly. All crane operators and respective supervisors shall strictly comply with the following procedures:

- 1. A clipboard with a supply of checklist forms entitled "Daily/Weekly Crane Operator's List" will be provided for each crane.
- 2. Operators will use checklist daily for all listed items and indicate in "Needs Repair" block specific defective item that requires maintenance and/or repairs.
- 3. Operators will initial block at bottom of each day's form.
- 4. Management will review reports weekly to determine that all items have been repaired, sign reports and turn reports into the main office to be logged and filed.

Any questions or problems relating to these scheduled crane inspections shall be referred to Management for resolution.

SECTION VI - VEHICLE / EQUIPMENT INSPECTIONS

Scheduled vehicle and equipment inspections and preventive maintenance are considered effective methods of preventing material handling accidents.

OSHA standards at 29 CFR 1910.180 (d) (2) requires "Regular Inspection".

This program addresses our vehicle and equipment inspection procedures for frequent inspections - those conducted daily to monthly. All vehicle and equipment operators and respective supervisors shall strictly comply with the following procedures:

source. NO EXCEPTIONS, for any person or for any job or piece of equipment. Everyone working on the equipment must apply his or her individual lock. No one may remove a lock applied by another, except the President of the company, and only after a full investigation that removal will not create a problem.

- 3. When anyone is doing hot work (e.g.: flame cutting, welding), a full and functioning extinguisher shall be immediately available in the immediate vicinity of the work.
- 4. Motorized material handling equipment (fork lifts, skid steers, cranes) shall never be operated by anyone unless the operator has been specifically trained and authorized. Lifting equipment shall be inspected, and the inspection documented, at the beginning of each shift.
- 5. All unprotected contact with the blood and/or bodily fluids of another person is strictly prohibited.
- 6. In the case of fire, employees are expected to raise alarm, evacuate the premises and gather on the corner in front of the company office.
- 7. Based upon an analysis of work area hazards, the following items of Personal Protective Equipment will always be used at work: hard hat, eye protection, steel-toed shoes, long pants with no cuffs, long sleeves when doing hot work with the sleeves rolled down, and gloves. Other items of Personal Protective Equipment such as face shields and goggles will be worn when the nature of the work requires it.

SECTION VIII - MATERIAL HANDLING EQUIPMENT

Cranes, fork lift trucks, skid steers, and all other trucks or equipment used in material handling shall only be operated by trained and assigned employees.

- a. Only company authorized operators shall operate cranes.
- b. Only trained employees shall operate forklift trucks and skid steers.
- c. Only appropriately licensed and trained employees shall operate dump trucks and other Class 1 or 2 vehicles.

SECTION IX - SUMMARY

By enforcing these work standards with the potential for disciplinary action(s) is an effective management tool for insuring that all employees follow company standards.

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- c. Only appropriately licensed and trained employees shall operate dump trucks and other Class 1 or 2 vehicles.

SECTION IX - SUMMARY

By enforcing these work standards with the potential for disciplinary action(s) is an effective management tool for insuring that all employees follow company standards.

Some offenses related to safety and health may call for immediate discharge. In other cases, an initial offense may call for discipline, with a subsequent offense(s) resulting in progressively greater discipline, up to and including discharge. Oral reprimands, written warnings, suspension and discharge may be used as management deems necessary.

SECTION X – DRIVING POLICY FOR OPERATORS OF COMPANY COMMERCIAL ON-ROAD VEHICLES

PURPOSE

To ensure that the best interests of the company and the public are preserved by operators of on-road, company owned or leased vehicles. ("Owned" and "Leased" are equal in terms of this policy.)

ELEMENTS

- 1. Prior to being authorized to drive any company on-road vehicle on public roads, the potential driver must supply the company with a copy of a valid driver's license, valid for the type of vehicle to be operated.
- 2. Prior to being authorized to drive, the company shall conduct a D.M.V. license and driving record check of the potential driver's driving history with the Maine Department of Transportation. Any serious license charges or pattern of charges would disqualify someone from being authorized to drive a company vehicle, at the sole discretion of the company owner.
- 3. When the authorization to drive a vehicle is for a leased commercial vehicle, and the leasing company has a "driver authorization" process, the potential driver must also pass the leasing company's process.
- 4. Any driver authorized with a C.D.L. must participate in the company's random drug testing program.
- 5. Should any authorized driver have:
 - A traffic violation or accident with a company vehicle, the company owner must be notified within the work shift of the occurrence.

 A traffic violation on non-company time in or with a non-company vehicle on non-work time, the company owner must be notified by the end of the next scheduled workday.

Depending on the nature of the incident, the company owner shall make a determination on the authorization to continue driving. (i.e. a DWI or OUI will be treated more seriously than a parking ticket or a speeding ticket for 10 miles over the limit.)

Failure to make either notification shall automatically remove authorization to drive any company vehicle and may result in disciplinary actions including dismissal, at the sole discretion of the company owner.

- 6. It is expected (mandated) that an authorized driver will adhere to all State and Federal laws and regulations applicable to the vehicle being operated. The following are examples of laws and regulations which are mandatory: use of seat belts for driver and passenger, driving according to speed limits, not driving while under the influence of alcohol or any legal or illegal substance which can disorient a driver, following driving time restrictions, following load weight restrictions, following load positioning requirements, etc.
- 7. It is expected that an authorized driver will report <u>ANY</u> defect in the vehicle as soon as it is observed to management, no later then the end of the work shift when it is observed. Any obvious defect that is not observed and not reported and results in the vehicle being cited for the defect, the driver shall bear the cost of any such citations.
- 8. Any citations issued for conditions and driving behaviors within the control of the driver will be paid for by the driver. The company shall be responsible for citations which:
 - Are for vehicle conditions, which have been reported to the company and not addressed by the company.
 - Are for vehicle conditions which one would not expect the driver to be aware
 of such as tire tread depth just below acceptable limits, lapse of insurance
 coverage. In summary, any company administrative lapses or violations.
- 9. The company owner may withdraw authorization to drive for any reason that is deemed necessary to protect the company, company assets, and the on-road public at large, at the sole discretion of the owner.
- 10. It is the responsibility of the authorized driver to ensure that the company has on file an up-to-date copy of newly issued licenses or license renewals.

- 11. Drivers will be issued one (1) set of insurance reports for any vehicle damage or vehicle incident. A second set of insurance reports will be transmitted to an authorized driver only after due deliberation by the company owner and a formal conference with the driver, with due notification in the driver's company personnel file.
- 12. Drivers will be issued commercial vehicle inspection forms. It is expected that the commercial vehicle will be inspected daily and recorded on the form. The form will be turned into the office on a daily basis where a decision will be made as to the continued operability of the commercial vehicle or scheduling for immediate maintenance. Consistent failure to complete the daily commercial vehicle inspection report will result in disciplinary actions including but not limited to withdrawal of authorization to driver, reprimand, or dismissal.
- 13. An authorized driver may refuse to drive a vehicle, which in his sole judgment is not safe to operate or is in violation of any state or federal laws or regulations. Such justified refusal will have no bearing on the driver's continued authorization to drive or on the driver's employment.
- 14. All drivers of company vehicles, which are of a size requiring a Commercial Driver's license, will be enrolled in the Occupational Health & Rehabilitation's substance testing service. The purpose of this service is to place our drivers in a pool of other small company CDL drivers for purposes of random substance abuse testing. If an E. Perry Iron & Metal Co., Inc. employee is called upon as a result of such random "drawing", the employee will be required to submit to the required testing. If the employee refuses or fails to submit as required, the employee will be immediately relieved of company driving privileges and, at the sole discretion of the company President be immediately terminated or re-assigned to some other company position at a pay rate commensurate with the new position. No re-assignment will be made to a position involving or requiring equipment operation. Rationale: similar to the rationale for refusal to take a police-requested Breathalyzer test refusal is considered as presumed "guilty as charged".

SECTION XI - WHAT YOU SHOULD KNOW

PROBATIONARY PERIOD

You will be considered on a temporary trial basis for a period of 90 days from the date of employment, and may be discharged, laid off or have your services terminated for any cause whatsoever before the expiration of that period. The benefit program applies only after your probationary period has been completed.

 A traffic violation on non-company time in or with a non-company vehicle on non-work time, the company owner must be notified by the end of the next scheduled workday.

Depending on the nature of the incident, the company owner shall make a determination on the authorization to continue driving. (i.e. a DWI or OUI will be treated more seriously than a parking ticket or a speeding ticket for 10 miles over the limit.)

Failure to make either notification shall automatically remove authorization to drive any company vehicle and may result in disciplinary actions including dismissal, at the sole discretion of the company owner.

- 6. It is expected (mandated) that an authorized driver will adhere to all State and Federal laws and regulations applicable to the vehicle being operated. The following are examples of laws and regulations which are mandatory: use of seat belts for driver and passenger, driving according to speed limits, not driving while under the influence of alcohol or any legal or illegal substance which can disorient a driver, following driving time restrictions, following load weight restrictions, following load positioning requirements, etc.
- 7. It is expected that an authorized driver will report <u>ANY</u> defect in the vehicle as soon as it is observed to management, no later then the end of the work shift when it is observed. Any obvious defect that is not observed and not reported and results in the vehicle being cited for the defect, the driver shall bear the cost of any such citations.
- 8. Any citations issued for conditions and driving behaviors within the control of the driver will be paid for by the driver. The company shall be responsible for citations which:
 - Are for vehicle conditions, which have been reported to the company and not addressed by the company.
 - Are for vehicle conditions which one would not expect the driver to be aware
 of such as tire tread depth just below acceptable limits, lapse of insurance
 coverage. In summary, any company administrative lapses or violations.
- 9. The company owner may withdraw authorization to drive for any reason that is deemed necessary to protect the company, company assets, and the on-road public at large, at the sole discretion of the owner.
- 10. It is the responsibility of the authorized driver to ensure that the company has on file an up-to-date copy of newly issued licenses or license renewals.

CONFIDENTIALITY

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All information obtained by virtue of employment in our company must be held in strictest confidence. No information should ever be revealed to unauthorized persons.

<u>FULL TIME EMPLOYEE</u>

Full time employees are any employees who are working 40 hours or more on a regularly scheduled weekly basis.

E. Perry Iron & Metal's employees normally work a minimum 40 to 50 hours per week including Saturday mornings.

No benefits apply to anyone other than employees designated as full time who have completed their probationary period.

WORK HOURS, BREAKS AND OVERTIME

E. Perry Iron & Metal Co., Inc.'s operating hours are from 7:00 A.M. to 3:30 P.M. at both our locations at 115 Lancaster St., Portland and Rigby Rd. in Scarborough and from 7:00 A.M. to 11:30 A.M. on Saturday at the Portland location only.

Lunch is to be taken from 12:00 P.M. to 12:30 P.M.

Coffee break is 15 minutes long in the morning only.

Time and a half is paid for time in excess of 40 hours a week.

PAY PERIOD

The pay period runs from Friday to Thursday. The paychecks are distributed on the Friday for the week just ended on Thursday. Payroll is processed through a payroll company and direct deposit is available to all employees at no charge.

NON-SOLICITATION

It should be remembered that working time and work areas are for work. Non-work activity (including solicitation, distribution of written materials, asking for money, collections, and selling tickets, etc.) is not to be conducted during working hours or in work areas.

MATERNITY LEAVE

Women requesting maternity leave must do so in writing to your supervisor 2 weeks prior to departure. A woman has up to 8 weeks from her departure to return to work without loss of benefits and/or position. All maternity leave time will be without pay (vacation time may be used).

MILITARY LEAVE

Military leave will be granted for a period not to exceed 17 days, without pay. A written request to your supervisor plus a copy of your military orders is required. Extending your leave beyond 17 days without written permission could result in loss of job and/or benefits.

BEREAVEMENT LEAVE

One day paid leave will be authorized for deaths of immediate family (mother, father, brother, sister, grandparent, or siblings). A copy of an obituary or related material must be provided to management.

PERSONAL/SICK DAYS

In the case of sickness, the company will pay up to a maximum of two (2) days each year after one year of full time employment (including probationary period). Personal/sick days are accumulated at a rate of one per every six months of employment (including the probationary period) starting with the effective date of this handbook. These days are available to the employee for use as needed for sickness or other personal matters. These days do not carry over from year to year. You start to accumulate these days from the beginning of each calendar year.

If sick and unable to come to work, the employee is required to notify his employer in advance of the start time of their shift. Failure to do so may result in loss of the compensation. Personal days may be taken with at least one weeks notice to your immediate supervisor (subject to approval).

JURY DUTY

If you are called for jury duty service and have completed your probationary period, the company will pay you for one day out for the time served for jury duty. Any additional time past one day will be considered an unpaid leave of absence. You must present your notification to your supervisor at least four (4) weeks in advance of your absence.

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WARNINGS, REPRIMANDS AND TERMINATIONS

The company has developed a progressive disciplinary policy/procedure. When an employee violates a company procedure or works in such a way as not to be in the best interests of the company, the company President shall proceed as follows:

- 1. The company President shall meet with the employee in a confidential setting and verbally outline the violation or the employee's work behavior that is not in the best interests of the company. Included in the discussion will be specific behavioral changes that are required and any other stipulations appropriate at the time. (Example: "You are taking more time than is allowed for coffee breaks. The time allowed is 15 minutes and that is all. Please change your behavior." Or: "You are swearing at customers or calling them names. This will stop immediately.") The President may make a written notice for himself of the date of the discussion and the content of the discussion.
- 2. Should a second infraction of the same incident be observed again, the President, in a confidential setting will discuss the matter with the employee; review the infraction and the behavior change required. The President will document the discussions on the company "Reprimand Form." This form is to be signed by the employee and will be kept in the employee's permanent personnel file.
- 3. Any third infraction will result in immediate termination.

Combinations of any two written reprimands within one year (12 months) may result in a one-day suspension without pay.

Combinations of any three written reprimands within one year (12 months) may result in immediate dismissal.

DRESS CODE

E. Perry Iron & Metal Co.'s dress code is casual uniformed attire. Casual attire for yard and/or warehouse employees is to be construed as long work pants (Dickies or Jeans) and long sleeve work shirts. Shirts must be worn at all times. Under no circumstances will short pants be allowed to be worn by employees.

The company will pay for the cost of uniforms after one year of service. Employees are encouraged to wear the company provided uniforms. If you choose not to wear the company uniforms then you are required to wear clothing as outlined above.

TELEPHONE

Due to the number of business calls daily, we must restrict the phone to company business only. Personal calls may be made from the office only during break or lunch time. Incoming personal phone calls will be relayed to you by message (except in case of emergency).

PERSONAL LOANS

The company will not make personal loans to employees. Advances against future wages are made only with the approval of the owner. Advances must be paid back in the next pay period.

SECTION XII - WORKING TOGETHER

RULES OF CONDUCT

The following list of actions are considered to be against the best interest of the majority and will be subject to corrective actions including reprimand, warning, suspension or dismissal:

- 1. Employees must be at their appointed work places, ready to work, at the appointed starting time for their position and shall remain at such work places and at work until regular quitting time or until relieved. Work starts on the ¼ hour and employees shall be prepared to start work.
- 2. Stealing.
- 3. Willful damage to, or destruction or theft of property belonging to fellow employees or to the company.
- 4. Fighting, horseplay, disorderly or immoral conduct.
- 5. Falsifying any time record.
- 6. Refusing or failing to carry out any instructions of a supervisor.
- 7. Leaving your work station (except for reasonable personal needs) without permission from your supervisor.
- 8. Inattention to duties, visiting or loafing during working hours.
- 9. Numerous garnishment or assignment of wages.

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The company will pay for the cost of uniforms after one year of service. Employees are encouraged to wear the company provided uniforms. If you choose not to wear the company uniforms then you are required to wear clothing as outlined above.

- 10. Coming to work under the influence of alcohol or any illegal drugs, or bringing alcoholic beverages or illegal drugs onto company property.
- 11. Intentionally giving any false or misleading information to obtain employment or leave of absence.
- 12. Smoking contrary to established practice or violating any other fire protection regulation or smoking in non-smoking areas.
- 13. Willful or habitual violation of safety or health regulations.
- 14. Frequent tardiness or unexcused absences from work.
- 15. Carelessness or neglect resulting in abuse to equipment and/or tools.
- 16. Possession of firearms, or weapons of any kind on company property.
- 17. Use of threatening or abusive language toward a fellow employee, customer or supervisor.
- 18. Unauthorized distribution of literature, or written or printed matter of any description on company premises.
- 19. Failure to wear clothing conforming to the standards established by the management.
- 20. Employees shall not enter or remain on the premises unless they are on duty, scheduled to work, or are otherwise authorized by the management.
- 21. Unauthorized use of company equipment.

YOUR BENEFITS

GROUP MEDICAL CARE INSURANCE

All full time employees, after completing their probationary period, are eligible for participation in the company's group health insurance program (after 90 day probationary period). The company will pay for ¾ of the cost of single employee coverage. The remaining ¼ of the cost will be deducted from your paycheck weekly. If you desire coverage for your spouse and family, the additional premiums will be your responsibility and will be deducted from your paycheck. If you do not desire to participate, you must sign a waiver form upon completion of your probationary period. Refer to the insurance handbook for further details.

Continuation of insurance ceases when the first of the following occurs:

- 1. You become eligible for other group insurance.
- 2. Termination of the group policy.
- 3. Eligibility for Medicare.

GROUP LIFE & ACCIDENTAL DEATH INSURANCE

All full time employees, after completing their 90-day probationary period, are eligible for participation in the company's life and accidental death insurance program. The company will pay for 100% of the premiums for this coverage. Coverage is for \$20,000. If you do not desire to participate, you must sign a waiver form upon completion of your probationary period.

If you leave for any reason, your life insurance coverage will cease unless you elect to transfer the policy to private ownership. You will be responsible for any additional premium payments from that time forward.

VACATION POLICY

After 12 months of continuous employment (including the probationary period), you earn one week paid vacation. Two weeks paid vacation is provided to employees who have completed three full years of employment. Vacations are assigned by seniority and company needs. There is no accumulation of vacation days from one year to the next. Regular scheduled holidays falling during your designated vacation period are not considered as vacation days taken. Vacation time requests must be submitted 30 days prior to start of vacation.

PAID HOLIDAYS

You will receive your regular pay for the following holidays provided you work immediately the day before and after the holiday (except under the vacation situation noted above). Should any of the holidays noted fall on your normal day off from work, arrangements for a substitute day can be made with your supervisor.

Employees who are required to work any of the noted holidays will be paid at a time and a half rate, plus specified holiday pay.

- 10. Coming to work under the influence of alcohol or any illegal drugs, or bringing alcoholic beverages or illegal drugs onto company property.
- 11. Intentionally giving any false or misleading information to obtain employment or leave of absence.
- 12. Smoking contrary to established practice or violating any other fire protection regulation or smoking in non-smoking areas.
- 13. Willful or habitual violation of safety or health regulations.
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Paid holidays are as follows:

- 1. New Year's Day
- 2. President's Day (Monday only)
- 3. Memorial Day (Saturday holiday also)
- 4. Fourth of July (Saturday holiday also when applicable)
- 5. Labor Day (Saturday holiday also)
- 6. Thanksgiving Day
- 7. Day after Thanksgiving (Saturday holiday also)
- 8. Christmas Day (Saturday holiday also when applicable)

EQUAL EMPLOYMENT OPPORTUNITY

E. Perry Iron & Metal Co., Inc. is an Equal Opportunity Employer and follows a practice of affirmative action in promoting equal employment opportunity. The Company does not discriminate on the basis of a person's race, religion, color, age, sex, sexual orientation, national origin, handicap, or disabled or Vietnam era veteran status, regarding considerations such as recruiting, hiring, training, and/or on-the-job treatment and promotion.

NOT A CONTRACT

This booklet is not now or ever intended to be a contract, binding or non-binding. The material supplied is for informational purposes only. The policies and procedures expressed are subject to change with or without notice. The Company reserves the right to terminate any employee for any reason whatsoever, at any time it so desires.

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Attachment H: Annual Report

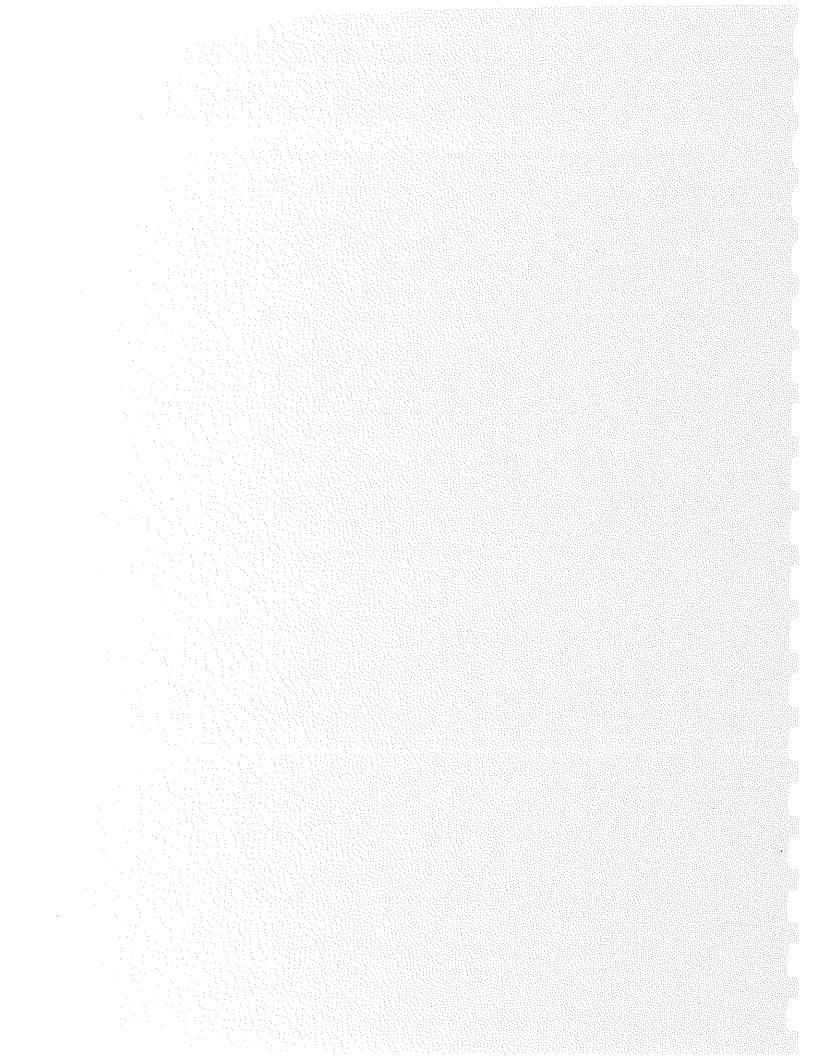
Scrap Metal Recycling Facilities Permit Application
Chapter 31, Portland City Code §31-1 et. Seq.
E. Perry Iron & Metal Co.
Portland, Maine

Prepared for:

E. Perry Iron & Metal Co. 115 Lancaster Street Portland, Maine 04101

Prepared by:

Acadia Environmental Technology 48 Free Street Portland, Maine 04101



Annual Report Form for PROCESSING FACILITIES, and TRANSFER STATIONS and/or STORAGE SITES

LICENSEE: E. Perry Iron and Metal and Co., Inc
CONTACT PERSON: <u>Alan Lerman</u> PHONE NO: <u>775-3181</u>
DEP LICENSE NUMBER:
1. Summary of activity during past year (including factors which affected the operation, design, or environmental monitoring program).
A summary of scrap metal handled at E. Perry in 2007 is attached with this form. No activities occurred that measurably affected operation, design, or environmental monitoring in 2007.
2. Operations
A. Submit copies of reports prepared in accordance with the transfer station or storage facility's Hazardous and Special Waste Handling and Exclusion Plan.
B. Report on deviations from approved operations manual and proposed changes in operations and/or operations manual.
Past Year Deviations
No deviations
Proposed Changes
No proposed changes
3. Summary of staff training provided on operation or maintenance of the transfer station.
A copy of the New Hire Safety Checklist is attached. All new employees are required to meet the checklist standards prior to working independently. Topics include knowledge of general job requirements, proper lifting techniques, yard safety, overview of equipment, fork lift safety and injury reporting and treatment procedures.
4. Summary of all spills, fires and/or accidents on-site.
A. Spills
No spills occurred on-site in 2007.
B. Fires
No fires occurred in 2007.

C. Accidents

No significant accidents occurred in 2007.

5. Provide verification of 2 feet till soil between waste, and seasonal high water and bedrock if one or more base pads for storage of non-containerized waste is used. (Required for transfer station or storage facility only.)

Groundwater level testing performed in June 2005 (typically at or near seasonal high water level) show that groundwater at the 9 Somerset Street property is shallowest at the western corner of the property in MW-A at a depth of 4.0 feet below ground surface. Groundwater in the other 4 wells on the property is between 7.5 and 8 feet below ground surface. At the 155 Somerset Street property, the shallowest groundwater was observed at 3.5 feet below ground surface in northwestern portion of the site (MW-3 and MW-5). Groundwater in the other wells on the property ranged from 4.0 to 7.5 feet below ground surface. A table of the groundwater depth information and figures showing the locations of the wells is attached.

6. Design

If any aspect of design was changed, please submit as-built plans and a narrative on these changes (proposed design changes for current year may be described).

No significant design changes occurred in 2007 or are planned for 2008.

7. Monitoring (if facility has a monitoring plan).

Evaluation of past year's monitoring results, monitoring program and equipment; recommended changes may be submitted. Attach additional sheets or provide a separate attachment if additional space is needed.

A. Monitoring Results

No groundwater monitoring was conducted in 2007.

B. Monitoring Program

E. Perry will perform environmental monitoring in 2008 in accordance with the Scrap Metal Recycling Facility Rules (Rules) promulgated by the City of Portland (City) under Chapter 31, Scrap Metal Recycling Facilities, Revised July 19, 2006, of its Code of Ordinances.

This monitoring will consist of collecting groundwater from 3 monitoring wells on each of the properties (MW-3, MW-5 and MW-6 at the Lancaster Street property and MW-A, MW-B AND MW-C at the Somerset Street Property). Groundwater samples will be submitted to a laboratory certified for the analysis of VOCs (EPA Method 8260B), SVOCs (EPA Method 8270), PCBs (EPA Method 8082), metals (EPA method 6010 or 7000 series: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, zinc, copper and antimony), DRO (Maine Health and Environmental Testing Laboratory, HETL, Method 4.1.25) and

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for PROCESSING FACILITIES, and
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4. Summary of all spills, fires and/or accidents on-site.
A. Spills
No spills occurred on-site in 2007.
B. Fires
No fires occurred in 2007.

GRO (Maine HETL Method 4.2.17). The wells will be sampled once a year and a report will be submitted to the City.

C. Equipment

A list of currently active equipment is attached.

- D. Recommended Changes
- E. Perry will begin implementing a groundwater monitoring program.
- 8. Provide a summary of universal waste handling activities at the transfer station.
- E. Perry does not receive universal waste from its customers. E. Perry uses fluorescent bulbs to light their warehouse and office areas. Bulbs which have burned out are placed in a cardboard box which is labeled "Universal Waste Lamps" and placed in a designated area. These bulbs are periodically sent for recycle to the City of Portland Riverside Recycling Center. No other Universal Waste items are generated under normal operating conditions.
- E. Perry accumulates well below 200 Universal Waste Items at any one time. Therefore, E. Perry's Universal Waste Program is designed to comply with the Reduced Requirements for Small Universal Waste Generators.

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COMPOSITION 48,065 26,060 17,891 17,898 2,070 29,020 27,729 7,786 - 200,020 20	BRASS, YELLOW		-	36,890	39,395	34,396		9,410	49,161	250	45,622	35,730		304,481
COPPER #1	CARBIDE	-			-	-					1,249			2,955
COPPER APE 110,474 - 29,212 40,402 70,075 24,602 35,004 50,207 40,046 - 400,000 40,000					17,931			3,701		27,723	7,795		_	206,279
COPPER LANGE BRITE			42,860		40.046	39,441		40,078		2024			 	
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CUNI, 90709 777 360	COPPER, LITE	16,459		11,700	3,195			-	7,527					61,891
MASTERLIDY	CU-Ni, 70/30		360	-				-					1	1,813
HEATER COORES	CU-NI, 90/10		-	928		•			1,065				-	1,993
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NSULATE DWIRE, #I COPPER 3,400 - - - 5,8415 7,104 760 750 198,44 198,441 192,390 114,846 99,756 5,590 8,445 73,750 5,500 33,870 6,671 78,071		024		5.140	8.556	7.680			-	12,487	9,910	6,290	4,820	82,417
LEAD, REGULAR	INSULATED WIRE, #1 COPPER	-							58,415					138,449
LEAD WEIGHTS	INSULATED WIRE, #2 COPPER	33,420		37,870	46,104	102,390	114,846	99,756	5,090				33,840	657,461
MONÉEL 1,180 1,106 320 - 1,346 3,99 NOKÉEL 1,022 9683 - 1,1202 1,034 - 1,255 1,034 3,99 REVIER - 1,020 9683 - 1,120 - 1,255 1,034 3,99 RADIATORS, ALUMINUM - 1,86,850 - 30,225 5,820 - 11,173				7,080	13,461	2,795	- [4,708		3,250			-	79,075
NCKEL 1, 202 968 - 1, 1,285 1,034 - 1, 25 1,34 1, 1,44 1,25 1, 30 1, 1,25 1,34 1, 1,25 1, 1,25 1,34 1, 1,25 1, 1,25 1,34 1,35 1,35 1,34 1,35 1,35 1,35 1,35 1,35 1,35 1,35 1,35			1 100				1046	-	4,470	 	4,276	6,651	3,866	
PEWTER -				320				1 034		 	1			4,454
RADIATORS, ALUMINIUM		1,202	- 000	130		-		1,001	-	-	-	-	-	130
RADIATORS, AUTO - DIRTY	RADIATORS, ALUMINUM	-		-	30,235	5,920	-	11,173	_	·		33,987	-	117,665
RADIATORS, COPPERALUMINUM FINS 1,643 8,770 - 8,949 17,112 5,060		31,170	40,360	14,872	19,196		36,741	29,945	9,568	10,650	33,668	_	<u> </u>	
STAINLESS STEEL, 174 STAINLESS STEEL, 306 95,400 95			1	<u> </u>			-	~ 484	1010	40.507	40.000		8 000	
STAINLESS STEEL, 304 95,430 60,430 51,080 47,500 103,082 50,000 5,666 12,655 4,550 6,300 5,670 442,94 57AINLESS STEEL, 315 3,435 1,360 5,320 5,532 3,885 6,602 3,825 1,789 2,605 2,209 45,525 37AINLESS STEEL, P\$30 9,462 9,720 1.576 5,332 3,885 6,602 3,825 1,789 2,265 2,209 3,885 6,802 3,825 1,789 2,265 2,209 3,885 6,802 3,825 1,820 5,820 3,885 6,802 3,825 1,820 5,820 3,885 6,802 3,885 6,802 3,800 8,804 6,802 3,800 8,804 6,802 8,80		1,643		<u> </u>	8,949		5,060	7,450	4,610	12,56/		6,160	3,900	
STANLESS STEEL, 316		95 490		51 080	47 500		50 600	5.666	12.655	4.550		5.570		442,943
STABLESS STEEL, P\$30											-	2,080	-	45,527
STEEL/IRON, CAST STEEL LICE (CRIC MOTORS	STAINLESS STEEL, P-530			-	-	-	-		-			-		22,328
STEEL, FLECTRIC MOTORS 3,800 61,440 - 57,390 81,390 - 11,200 57,250 32,950 11,100 - 316,325 15TEEL, UTE 213,790 97,990 123,280 184,970 179,640 256,880 52,400 232,100 236,350 21,360 274,260 189,320 2,232,29 170, 200,200 170,000 1		308,340	79,740	313,880	227,900	347,740	435,284	516,210	532,250	338,010	384,960	387,598	339,220	4,211,132
STEEL LITE					C-1 000	01 000	-		11.000	E7 0FA	99.054	11 100	 	nee ate
STEEL, P&S - 51,120 72,940 86,920 39,100 115,680 210,060 37,280 41,080 85,390 - 87,080 826,63 TIN TIN - 1,253 1,28 TITANIUM 1,297				129 960				52 400					169.320	2,232,290
TITANIUM 1,297		= 10,180												826,630
TITANIUM 1,297	TIN	 	<u> </u>	1,253	-,	1	*.	-		-				1,253
TURNINGS, ALUMINUM 8,120 34,600 3,420 40,250 3,962 3,917 25,900 - 29,080 - 148,24 TURNINGS, BRASS 6,202 - 9,892 1,550 8,180 25,82	TITANIUM			-	-				-				↓	1,297
TURNINGS, BRASS 6,202 9,892 1,550 8,180	TURNINGS, A-286				-				ļ	55.000	1,200		1	10,400
TURNINGS, ROD BRASS 20,500 27,500 9,961 370			34,600	3,420		3,962	3,917	25,900	1 550	59,080	-	8 180		25,824
TURNINGS, COPPER 970 - 920 1,324 1,550 - 4,07 TURNINGS, CU-NI - 70/30			 		9,092		27.500		1,000	l	 	0,130	-	48,000
TURNINGS, CU-NI-70/30			- -	920	-				9,981	370		-		12,241
TURNINGS, CU-NI-90/10	TURNINGS, CU-NI - 70/30				-		1,324	-			1,550	-		4,074
TURNINGS, INCONEL 1,390 3,713 5,187 1,036 5,580 - 16,88 TURNINGS, INCONEL 3,757 5,453 1,800 833 455 1,610 - 13,98 - 13,114 TURNINGS, INCKEL 3,528 824 1,185 4,745 2,889 13,114 TURNINGS, INCKEL 3,528 824 1,185 4,745 2,889 13,114 TURNINGS, INCKEL 3,528 824 1,185 4,745 1,610 1,710 9,000 TURNINGS, INCKEL 3,528 824 1,1570 1,173 1,710 9,000 TURNINGS, INCKEL 3,528 824 1,1570 1,173 1,710 9,000 TURNINGS, INCKEL 3,528 824 1,1570 1,173 1,710 9,000 TURNINGS, INCKEL 3,528 824 1,570 1,173 1,710 9,000 TURNINGS, INCKEL 3,528 824 1,570 1,173 1,1710 9,000 TURNINGS, INCKEL 3,528 824 1,570 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 5,310 1,173 2,175 2,175 5,310 1,173 2,175 2,175 5,310 1,173 2,175 - 2,175 2,175 2,175 2,175 2,175 2,175 2,175 2,175 2,175 2,175 - 2,175 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,175 - 2,17	TURNINGS, CU-NI - 90/10		<u> </u>		-		-		ļ <u>-</u>	ļ	 	<u> </u>	-	
TURNINGS, MONEL 3,757 5,453 1,800 833 455 1,810 - 13,900 TURNINGS, NICKEL 3,528 824 1,165 4,745 2,889 - 13,170 TURNINGS, NICKEL 3,528 824 1,165 4,745 2,889 - 13,170 TURNINGS, NICKEL 1,174 1,240 670 - 1,570 1,173 1,710 - 9,00 TURNINGS, STAINLESS STEEL -13-8 - 868 656 915 760 2,175 - 2,175 - 5,91 TURNINGS, STAINLESS STEEL -17-4 28,875 15,550 11,980 15,250 16,760 8,220 25,526 14,874 3,100 3,559 - 143,65 TURNINGS, STAINLESS STEEL -304 15,390 7,390 4,660 6,176 - 5,017 40,446 4,043 35,900 2,520 5,520 - 129,00 TURNINGS, STAINLESS STEEL -316 24,686 5,060 6,860 18,374 3,971 9,406 18,067 16,979 11,910 11,325 7,674 134,33 TURNINGS, STAINLESS STEEL -950 49,590 6,820 11,610 13,820 11,337 - 32,349 14,395 10,020 - 2,520 - 151,42 TURNINGS, STAINLESS STEEL -9530 49,590 6,820 11,610 13,820 11,337 - 32,349 14,395 10,020 - 2,520 - 151,42 TURNINGS, STAINLESS STEEL -9530 49,590 6,820 11,610 13,820 11,337 - 32,349 14,395 10,020 - 2,520 - 151,42 TURNINGS, STAINLESS STEEL -9530 49,590 6,820 11,610 13,820 11,337 - 32,349 14,395 10,020 - 2,520 - 151,42 TURNINGS, STAINLESS STEEL -9530 49,590 5,820 48,900 39,840 109,900 43,940 - 295,530 TURNINGS, TTAINLEM 4,202 1,470 3,668 3,769 493 - 680 - 14,285					<u>-</u>		r 40~	4 000	-	 		 		
TURNINGS, NICKEL 3,526 824 1,165 4,745 2,889 - 13,14 TURNINGS, NICKEL 3,526 824 1,165 4,745 2,175 1,710 9,00 TURNINGS, NICKEL 3,526 824 1,570 1,173 1,710 9,00 TURNINGS, STAINLESS STEEL -13-8 - 808 656 915 760 2,175 5,31 TURNINGS, STAINLESS STEEL -17-4 28,075 15,550 11,980 15,250 16,760 8,220 25,525 14,874 3,100 3,559 - 143,68 TURNINGS, STAINLESS STEEL -304 15,380 7,390 4,660 8,176 - 5,017 40,446 4,043 35,900 3,559 5- 143,68 TURNINGS, STAINLESS STEEL -316 24,685 5,000 6,860 18,374 3,971 9,406 18,007 16,979 11,910 11,325 7,674 - 134,43 TURNINGS, STAINLESS STEEL -950 48,590 6,820 11,610 13,820 11,337 - 32,349 14,396 10,020 - 2,520 - 151,42 TURNINGS, STAINLESS STEEL -950 44,590 6,820 11,610 13,820 11,337 - 32,349 14,396 10,020 - 2,520 - 151,42 TURNINGS, STIANLESS STEEL -950 14,290 3,840 10,900 43,940 2,95,30 TURNINGS, STIANLESS STEEL -950 14,200 14,200 39,840 10,900 43,940 2,95,30				1 800	-					 		 	-	13,908
TURNINGS, N-TI 1,644 1,240 670 1,570 1,173 1,710 - 8,00 1,173 1,173 1,174 1,174 1,174 1,174 1,174 1,175 1,				1,600	-				 	 			-	13,149
TURNINGS, STAINLESS STEEL - 13-8 - 808 656 - 915 760 - 2175 - 2175 - 14,874 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1.644		670	-					-	1,710	-	<u> </u>	8,007
TURNINGS, STAINLESS STEEL -17-4 28,875 15,550 11,980 15,250 16,760 8,220 25,525 14,874 3,100 3,559 - 143,66 TURNINGS, STAINLESS STEEL -304 15,390 7,330 4,660 8,176 - 5,017 40,446 4,043 35,900 2,520 5,520 - 129,000 120,000		- 1,5-7-	808		-	-		760]	2,175	-		5,314
TURNINGS, STAINLESS STEEL - 304 15,390 7,330 4,660 6,176 - 5,017 40,446 4,043 35,900 2,520 5,520 - 129,00	TURNINGS, STAINLESS STEEL - 17-4		15,550	11,980		16,760						1		143,693
TURNINGS, STAINLESS STEEL - P-530 48,590 6,820 11,610 13,820 11,337 - 32,349 14,386 10,020 - 2,520 - 151,45 TURNINGS, STEEL - 53,620 48,000 39,840 - 10,990 - 43,940 - 295,30 TURNINGS, STEEL - 3,668 3,769 493 - 680 - 14,28	TURNINGS, STAINLESS STEEL - 304												<u> </u>	
TURNINGS, STEEL - 53,620 48,000 39,840 109,900 43,940 - 295,30 TURNINGS, TITANIUM 4,202 1,470 3,668 3,769 493 - 680 - 14,28							9,406				17,325		 	
TURNINGS, TTANIUM 4,202 1,470 3,668 3,769 493 - 680 - 14,28		48,590	6,820					32,349		10,020	 		 	295,300
TOTAL CONTROL		4.202	1.470	Jajoso	- 70,000 -	55,040	3.668	3,769		<u> </u>	680		T	14,282
		1		1	-	2,100				5,590			1,620	23,149

METALS RECEIVED AT E. PERRY IRON & METAL, 2007

(quantities in pounds)

ATTACHMENT 1

GRO (Maine HETL Method 4.2.17). The wells will be sampled once a year and a report will be submitted to the City.

C. Equipment

A list of currently active equipment is attached.

- D. Recommended Changes
- E. Perry will begin implementing a groundwater monitoring program.
- 8. Provide a summary of universal waste handling activities at the transfer station.
- E. Perry does not receive universal waste from its customers. E. Perry uses fluorescent bulbs to light their warehouse and office areas. Bulbs which have burned out are placed in a cardboard box which is labeled "Universal Waste Lamps" and placed in a designated area. These bulbs are periodically sent for recycle to the City of Portland Riverside Recycling Center. No other Universal Waste items are generated under normal operating conditions.
- E. Perry accumulates well below 200 Universal Waste Items at any one time. Therefore, E. Perry's Universal Waste Program is designed to comply with the Reduced Requirements for Small Universal Waste Generators.

New Hire Safety Checklist

Employee rance:
Hire Date:
Dept
Supervisor: Employee Signature:
Employee Signature:
Receive and review general job description/requirements (prior to first day of employment)
Inform employee of appropriate work attire and protective gear (provided if applicable)
Administer employee handbook Sign acknowledgement that handbook was received and reviewed
Review appropriate lifting techniques and materials handling
Review rules of good housekeeping in work areas
Comprehension of yard safety; familiarize with facility and surroundings; areas avoid when work is in progress,
Overview of equipment and vehicles that will be used.
Distribution of Forklift operation and safety manual.
Operator's ability to perform check-sheet inspection for safe operation of truck prior to use.
Satisfactory completion of forklift driving examination (required to be an authorized forklift operator at E. Perry).
Knowledge of injury reporting & treatment o If any injury does occur on the job report immediately to supervisor o Treatment by designated physician (Concentra) if necessary

E. PERRY IRON & METAL CO., INC.

EQUIPMENT SCHEDULE

YEAR	OUR #	DESCRIPTION	SERIAL #	YEAR PURCHASED	PURCHASEI NEW/USED
		1. J. S. 1. C. (P. P.) - C. S. C. C. C. C. C. C. S. J. C. C. S. S. J. C. C. C. S. S. S. S. S. S. S. S. S. S. S. S. S.			
1962	C1	LINK BELT LS98 BOOM CRANE	9LR2269	1970	USED
	- 45	CRANE MAGNET			USED
1970	C2	LINK BELT LS98A BOOM CRANE	9LRA3918	1985	USED
		CHANE MAGNET			
		LINK BELT LS2800A EXCAVATOR WITH			
1982	C3	HYDRAULIC GRAPPLE	35H2257A	1997	USED
		KOMATSU PC300 LC-6 EXCAVATOR WITH			
1999	Ç4	HYDRAULIC GRAPPLE	A83272	2004	USED
1971		ALLIS CHALMERS FRONT END LOADER	. ?	1982	USED
		TOYOTA 1.5 TON FORKLIFT	?	1982	USED
		PETTI BONE 4WX FRONT END LOADER	?	1982	USED
1984	P2	SELCO VERTICAL BAILING MACHINE VAL 4.5	0584157	1985	NEW
1988	P3	PHILADELPHIA VERTICAL BAILING MACHINE	88T6047	1989	USED
1900	P4	ECONOMY CHAIN BAILING PRESS	57429	1980	USED
	P5	PIQUA VERTICAL BAILING PRESS	7	1982	USED
2000	P7	ATLAS HORIZONTAL BAILING PRESS	126348	2000	NEW
1990		LORAN VERTICAL BAILING MACHINE	LR-147	2000	USED
			126348	2004	USED
1985	P9	ATLAS VERTICAL BAILER ISTRIPTECH WIRE STRIPPER - MODEL 5000		2004	NEW
2007	ST2	METTLER TOLEDO TRUCK SCALE	3066 1155962-1AK (SCALE)	2007	MEAA
****		1		2008	NEW
2008		(PORTLAND)	01213206LJ (DISPLAY)		USED
		TRUCK SCALE (SCARBOROUGH)	-	1982	NEW
		HOWE PLATFORM SCALE	7	1993	NEW
		HOWE PLATFORM SCALE	l	1993	
1988	F2	CLARK GP-S30 FORKLIFT	GP138MB-125-6925KOF	1989	NEW
	_	CLARK CGP25 FORKLIFT WITH ROTATING		4000	HOED
1995	F7	FORKS	P365L-0857-9396	1999	USED
		TOYOTA 42-6FGCU15 FORKLIFT WITH			
1999	F8	ROTATING FORKS	68306	1999	NEW
2003	F10	TOYOTA 7EGU30 FORKLIFT	64204	2003	NEW
2006	Fii	TOYOTA 8FGCU25 FORKLIFT	10125	2007	NEW
}		TOYOTA 8FGCU15 FORKLIFT WITH			
2006	F12	HOTATING FORKS	10073	2007	NEW
2001	SS4	GEHL SL4636SX SKIDSTEER	301560	2001	NEW_
2001	888	GEHL SL4635SX SKIDSTEER	28251	2005	USED
2006	\$\$6	GEHL SL4640E SKIDSTEER	04640P00308721	2007	NEW
1998	SH1	GENSCO 12" 306LS HYDRAULIC SHEAR		1998	NEW
1999	SH2	MCINTYRE MODEL 407 HYDRAULIG SHEAR		1999	NEW
2000	SH3	MCINTYRE MODEL 407 HYDRAULIC SHEAR	607-00	2000	NEW
2007		MACK GRAPPLE (OPSIHDCR-100-4)	12671	2007	NEW

New Hire Safety Checklist

imployee Name:
ine Date.
Pept.:
upervisor.
Dept.:upervisor:
Receive and review general job description/requirements (prior to first day of employment)
Inform employee of appropriate work attire and protective gear (provided if applicable)
Administer employee handbook o Sign acknowledgement that handbook was received and reviewed
Review appropriate lifting techniques and materials handling
Review rules of good housekeeping in work areas
Comprehension of yard safety; familiarize with facility and surroundings; areas to avoid when work is in progress.
Overview of equipment and vehicles that will be used.
Distribution of Forklift operation and safety manual.
Operator's ability to perform check-sheet inspection for safe operation of truck prior to use.
Satisfactory completion of forklift driving examination (required to be an authorized forklift operator at E. Perry).
Knowledge of injury reporting & treatment o If any injury does occur on the job report immediately to supervisor o Treatment by designated physician (Concentra) if necessary

Table 3-2 Summary of Exploration Activities E. Perry Site Portland, Maine

Boring ID	Monitoring Well ID	Completion Date	Total Boring Deoth (ff bos)	Screen Length (#)	Screened Interval	Depth to Water	Fill/Natural Material Interface (ff
155 Lancaster	Street			(i.)			: D: D:
B-A	MW-A	04/26/2005	. 10	2	3-13	4.0	6.4
<u>а</u> .	MW-B	04/26/2005	16	.	4-14	8.0	. 0.8
ပ မ မ	MW-C	04/26/2005	16	10	5-15	8.0	11.6
О	MW-D	04/26/2005	14	1 9	4-14	8.0	10.7
т. П	MW-E	04/26/2005	20	9	5-15	7.5	. 4.8
SS-A	n/a	04/26/2005	4	n/a	n/a		. 44
SS-B	n/a	04/26/2005	4	n/a	n/a	. 4	. 44
SS-C	n/a	04/26/2005	4	n/a	n/a	, 4	۰, ۲
9 Somerset Sti	Street						
Т-ф	n/a	04/27/2005	: : 4	n/a	n/a	. 44	89
B-7	n/a	04/27/2005	. 4	n/a	'U	. 4<	2.8
B	MW-3	04/27/2005	. 12	10,	2-12	3.5	2.9
8. 4.	n/a	04/27/2005	4	n/a	n/a		: : : :
ا دې دې	MW-5	04/27/2005	12	10	2-12	. 35.	6.7
- B	9-MM	04/28/2005	ත	10	3-13	4.0	
B-7	MW-7	04/29/2005	ကြ	. 01	3-13	4.0	3.5
ထုံ	MW-8	04/29/2005	٤,	10	3-13	4,0	3.5
တ <u>ှ</u>	MW-9	04/28/2005	4.	10	4-14	n/a	1,5
B-10	n/a	04/28/2005	4	n/a	n/a	. 4	F.
B-11	MW-11	04/29/2005	14	10	4-14	7.5	. 4
SS-1	n/a	04/28/2005	4	n/a	n/a	74	2.9
SS-2	n/a	04/28/2005	₹	n/a	n/a	>4	'n
SS-3	n/a	04/28/2005	4	n/a	n/a	χ.	2.6
SS-4	n/a	04/28/2005	. 4	n/a	n/a	. 4	· က
SS-5	n/a	04/28/2005	4	/a	n/a	*	2.6
SS-6	n/a	04/28/2005	4	n/a	n/a	. 44	က

Notes: ft bgs = feet below ground surface n/a = not applicable

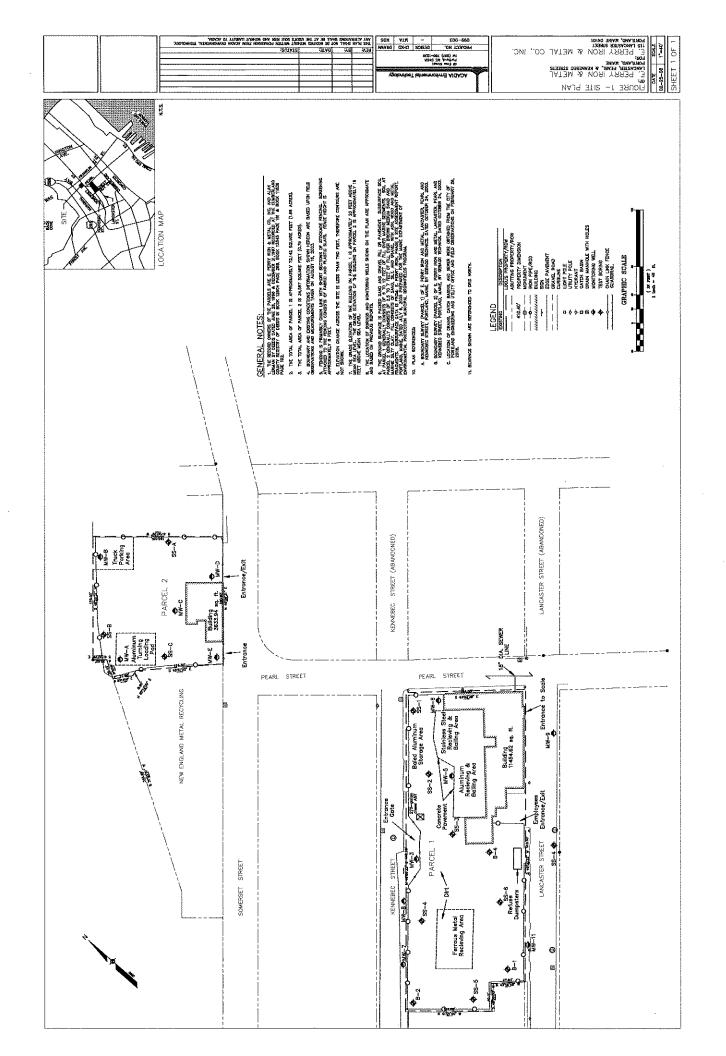


Table 3-2 Summary of Exploration Activities E. Perry Site Portland, Maine

Fill/Natural Material er interface (ft bgs)		6,4	8.0	11.6	10.7	. 4.0	× ×	× ×	* *	,	3.8	2.8	2.9	**	6.7	4.5	3.5	3.5	. . .	-	. *	2.9	ო	2.6	· က	2.6	- -
Depth to Water (ft bgs)	: 1	4.0	8.0	0.8	8.0	7.5	, 7	*	, 4		**	^	3.5	, 4	3.5	4.0	4.0	4.0		7	7.5	× ×	>4	*	. *	× ×	
Screened Interval (ft bgs)		9-13 E	4-14	5-15	4-14	5-15	n/a	n/a	n/a		n/a	n/a	2-12	⊓/a	2-12	3-13	3-13	3-13	4-14	n/a	4-14	n/a	n/a	n/a	n/a	n/a	
Screen Length (ft)		e :	9	9		.0	וו/מ	n/a	n/a		n/a	n/a	10	n/a	· •	10	10,	, 6	10	n/a	10	n/a	u/a	n/a	n/a	п/а	-
Total Boring Depth (ft bgs)	: (16	91	16	14	.50	4	4	. ◀		4	4	12	. 4	12	5	E	<u>£</u>	14	4	4	4	77	4	. 4	4	
Completion Date		04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	04/26/2005	:	04/27/2005	04/27/2005	04/27/2005	04/27/2005	04/27/2005	04/28/2005	04/29/2005	04/29/2005	04/28/2005	04/28/2005	04/29/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005	04/28/2005	
		MW-A	MW-B	MW-C	O-WW	MW-E	n/a	n/a	n/a	Street	וו/ש	n/a	MW-3	n/a	MW-5	MW-6	MW-7	MW-8	MW-9	n/a	MW-11	n/a	n/a	n/a	n/a	n/a	
Boring ID	133 Lalicaster	₹ 0 0	e B	ပု	О- В	М Щ	SS-A	SS-B	SS-C	9 Somerset St	B -1	B-2	ල ස	B-4	8-5	B-6	B-7	φ 6	B-9	B-10	B-11	SS-1	SS-2	SS-3	SS-4	SS-5	

Notes: ft bgs = feet below ground surface n/a = not applicable