

APPENDIX E

SPILL DOCUMENTATION

Appendix E –

Spill Database Search Results for East Waterway and Associated Drainage Basins

Introduction:

Spills information is useful to assess the frequency, volume, and location of spills that have occurred both directly to the East Waterway (EW), and those that have occurred within the EW drainage basins that may have contributed pollutants to the combined sewer overflow (CSO) and storm drain (SD) pathways. Spills are tracked by federal, state, and local spill reporting systems. Information in these systems is stored in searchable databases, such as the federal Emergency Response Notification System maintained by the U.S. Coast Guard (USCG); the spills database maintained by the Washington State Department of Ecology's (Ecology's) Spill Prevention, Preparedness, and Response Program; and the database maintained by the City of Seattle's (City's) spill response program. These databases were queried by Environmental Data Resources in 2007 in support of the EW Existing Information Summary Report (EISR) (Anchor and Windward 2008), and again in December 2009 in support of this Supplemental Remedial Investigation (SRI) Report. Ecology and the City's spill response system were re-queried during January 2013 to include more recent spills. The spills databases do not always report the type of material spilled, the quantity of material spilled, whether the spill actually discharged to a drainage feature, to which drainage system the spill was released to (CSO or SD), and other relevant details.

Text References:

This appendix was referenced in the following sections of the *East Waterway Operable Unit Revised Draft Supplemental Remedial Investigation Report – Section 9: Source and Pathway Characterization*:

- Section 9.3.7 – Spill Response
- Section 9.4.2 – Spills
- Section 9.5.1 – Summary of Spills Pathway

Map Reference:

This appendix was referenced in the following map of the *East Waterway Operable Unit Revised Draft Supplemental Remedial Investigation Report – Section 9: Source and Pathway Characterization*:

- Map 9-8 – Reported Spill Sites

Description of Databases Used to Compile Table E-1

ERNS (Emergency Response Notification System Sites)

This database provides data on toxic chemical spills, oil spills, transportation accidents involving oil or chemicals, accidents involving chemicals (such as fires or explosions), releases of radioactive materials, sightings of oil sheens on bodies of water, discovery of illegally dumped chemicals, terrorist incidents involving chemicals, and other accidents report to the National Response Center (NRC). The NRC is operated by the USCG, and has become the central point of contact used for reporting a variety of incidents involving hazardous materials.

The spills in this database were updated on January 10, 2012, and include events from 1982 through 2011. The severity of the spills reported varies from minor to serious. While the reports are extensive, they are also incomplete as a result of unreported events and no verification on reported events. ERNS data can be obtained at www.nrc.uscg.mil. The database is no longer known as ERNS; it is now accessed by Freedom of Information Act request to the National Response Center data.

Information obtained from: <http://rtknet.ombwatch.org/db/erns/about>

Reported Spills

National Response Center (NRC) online query system compiles reported oil and chemical spill data. The NRC is not involved in the investigation or incident response and it does not verify or do any follow-up on spills reported. Federal and state On-scene Coordinators are contacted by the NRC to respond to the reported spill.

TCRIS (Toxic Chemical Release Inventory System)

TCRIS is a database containing data on disposal or other releases of more than 650 toxic chemicals from thousands of United States facilities. It also includes information about how facilities manage the chemicals through treatment, recycling, and energy recovery. Information obtained from: <http://www.epa.gov/tri/>

City of Seattle

Incidents that are reported to the City of Seattle are relevant to surface water pollution and include leaking automobiles, concrete dumped on the street, and paint poured down a drain. Information obtained from: http://www.seattle.gov/util/Services/Drainage_&_Sewer/Keep_Water_Safe_&_Clean/RestoreOurWaters/Pr eventPollution/Reportspills/index.htm

Ecology (Washington State Department of Ecology) Spills Database

Ecology has online databases for environmental monitoring data that provide a comprehensive list of environmental data sources. Information obtained from: <http://www.ecy.wa.gov/databases/spills.html>

Description of Select Spills at the Request of EPA

Table E-1, Map ID 118, Spill #2: 50,000 gallons F006 waste

A waste water storage tank failed causing a release of F006 waste water onto the pavement and into a storm drain on March 26, 2008. This spill occurred due to equipment failure.

More details are available in Section 9.4.2 of the SRI and at the following web address:

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=866047

Table E-1, Map ID 123, Spill #9: 42 gallons including silver

“Caller stated that employees were off-loading some photo waste from a cruise ship on the dock and there was an accidental spill of photo chemicals into a storm drain.” Storage tank spill due to operator error affecting area storm drain.

More details are available at the following web address:

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=726327

Table E-1, Map ID 160: 2 gallons transformer oil

No additional information available.

Table E-1, Map ID 251, Spill #1: Included 2 pounds mercury

Continuous release application. Incident report #532674. 1.73 lbs – no information/details given on the report from NRC.

Details are available at the following web address:

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=532674

Table E-1, Map ID 269, Spill #2: 29,000 pounds of other

No additional information available.

Table E-1, Map ID 290: Pesticide

No additional information available.

Table E-1, Map ID 362, Spill #23: Xylene and Cresols

Material release from an above ground container on the terminal due to operator error.

Details are available at the following web address:

http://www.nrc.uscg.mil/reports/rwservlet?standard_web+inc_seq=761485

Table E-1
Spills

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Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
2	1000 EAST MADISON STREET	1000 EAST MADISON STREET	Lander and Hanford CS	ERNS	Sewage	Spill reported 8-28-2009. Pipe discharging brown liquid with a sewage odor into sewer and onto the street.
7	CROWLEY MARINE SERVICES INC	1100 SW MASSACHUSETTS ST	Lander and Hanford CS	Reported Spills	Petroleum Petroleum	1 - 4 ounces of petroleum (hydraulic oil) reported spilled 11-21-03 2 - 1 cup of petroleum (waste/used oil) reported spilled 12-3-04
8	CROWLEY MARINE SERVICES PIER 17, 'MV AMERICAN SALVOR	1102 SW MASSACHUSETTS ST	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	50 gallons of "other - see note" reported spilled 11-25-05 (no note given)
10	UNKNOWN	1110 11TH AVE W	Lander and Hanford CS	Reported Spills	Petroleum	One gallon of petroleum reported spilled 3-28-2008
11	1112 21 AVENUE SOUTH	1112 21 AVENUE SOUTH	Lander and Hanford CS	ERNS	Refrigerator gasses	Citizen spilling refrigerator gasses as reported on 1-10-08
12	UNKNOWN	1122 E MADISON ST	Lander and Hanford CS	Reported Spills	Petroleum	One gallon petroleum (other oil) spill reported 5-19-2008
15	ALASKA RAILROAD CORP	1140 SW MASSACHUSETTS ST	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	100 gallons of chemical reported spilled on 12-7-04
20	<Null>	1253 S JACKSON	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	Odorous box reported on 1-25-00
25	UNKNOWN	1326 15TH AVE S	Lander and Hanford CS	Reported Spills	Sewage	40 gallons of sewage/sludge reported spilled on 5-17-08
29	GOODWILL INDUSTRIES SEATTLE, 'DEARBORN CORPORATION CAMPUS GOODWILL	1400 S LANE ST	Lander and Hanford CS	Reported Spills	Petroleum	20 gallons of petroleum (waste/used oil) reported spilled 4-7-03.
34	14TH AND YESLER	14TH AND YESLER	Lander and Hanford CS	ERNS	Petroleum	55.00 gallons of hydraulic oil were reported leaked from a truck on 9-22-88
36	B & B AUTO REPAIR SEATTLE, 'UNKNOWN	151 12TH AVE	Lander and Hanford CS	Reported Spills	Petroleum	Unknown gallons of petroleum (unknown) reported spilled on 5-20-08.
39	<Null>	1515 E MARION ST	Lander and Hanford CS	Reported Spills	Waste water	unknown unit of waste water reported spilled on 1-10-09
40	RALPHS CONCRETE PUMPING VACANT LOT	1517 RAINIER AVE	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (unknown) reported spilled 10-2-00.
41	1519 ALASKAN WAY, U.S. COAST GUARD INTEGRATED SUPPORT COMMAND SEATTLE, USDOT CG MCL SUPPORT CTR, 1519 ALASKAN WAY SOUTH PIER 36, UNK	1519 ALASKAN WAY, 1521 ALASKAN WAY S, 1522 ALASKAN WAY S, 1523 ALASKAN WAY S, 1524 ALASKAN WAY S, 1526 ALASKAN WAY S, 1527 ALASKAN WAY S, 1528 ALASKAN WAY S, 1529 ALASKAN WAY S, 1534 ALASKAN WAY S	B-41 SB	ERNS, Reported Spills, and TCRIS	Petroleum	1- Unknown gallons of petroleum (unknown) reported spilled 2-28-08
					Petroleum	2 - 100 gallons of petroleum (oil other) reported spilled 8-9-08
					Petroleum	3 - Unknown gallons petroleum (oil other) reported spilled 12-12-07
					Petroleum	4 - Unknown gallons of petroleum (motor oil) reported spilled on 12-12-08
					Petroleum	5 - Unknown gallons of petroleum (oil other) reported spilled on 2-12-09
					Bilge water	6 - 10 gallons of bilge water reported spilled on 2-10-08
					Petroleum	7 - 1 gallon of petroleum (oil other) reported spilled on 8-20-09
					Not Reported/Unknown	8 - Unknown gallons of "other - see note" reported spilled 4-17-09 (no note found)
					Petroleum	9 - Unknown gallons of petroleum (motor oil) reported spilled on 5-5-09
					Petroleum	10 - 2 gallons of petroleum (diesel fuel) reported spilled on 3-20-98
					Petroleum	11 - 1 cup of petroleum (unknown) reported spilled on 11-13-99
					Petroleum	12 - 1 sheen of petroleum (oil other) reported spilled 8-17-09
					Petroleum	13 - Petroleum (diesel fuel) reported spilled on 7-31-00
					Hazardous	14 - 2 cups of other hazardous reported spilled on 10-31-00
					Petroleum	15 - 1 sheen of petroleum (unknown) reported spilled on 1-21-01
					Petroleum	16 - 2 ounces of petroleum (diesel fuel) reported spilled 5-21-01
					Petroleum	17 - 2 quarts of petroleum (hydraulic oil) reported spilled 5-17-01
					Petroleum	18 - 8 ounces of petroleum (hydraulic oil) reported spilled on 1-31-02
					Petroleum	19 - 1 sheen of petroleum (diesel fuel) reported spilled on 1-4-02
					Petroleum	20 - 1 sheen of petroleum (unknown) reported spilled on 5-2-02
					Sewage/sludge	21 - 1 quart of sewage/sludge reported spilled on 7-12-03
					Petroleum	22 - 1 sheen of petroleum (oil other) reported spilled on 6-13-03
					Not Reported/Unknown	23 - 1 sheen of unknown reported spilled on 5-7-03
					Petroleum	24 - 3 pints of petroleum (motor oil) reported spilled on 12-24-03
					Petroleum	25 - 2 cups of petroleum (hydraulic oil) reported spilled on 4-29-04
					Petroleum	26 - 200 gallons of petroleum (hydraulic oil) reported spilled on 12-10-03
					Petroleum	27 - 1 gallon of petroleum (oil other) reported spilled on 10-1-04
					Petroleum	28 - 1 drum of petroleum (unknown) reported spilled on 8-11-06
					Petroleum	29 - Unknown amount of gasoline (automotive unleaded) leaked out car into storm drain on 2-6-07
					Sewage/sludge	30 - 500 gallons of sewage/sludge reported spilled on 4-17-09
					Petroleum	31 - 1 sheen of petroleum (unknown) reported spilled on 3-19-01
					Petroleum	32 - 20 gallons of petroleum (diesel fuel) reported spilled on 10-16-01
					Petroleum	33 - 4 gallons of petroleum (gasoline) reported spilled on 1-18-04
					Petroleum	34 - Petroleum (unknown) reported spilled on 10-6-04
					Not Reported/Unknown	35 - "Other - see note" reported spilled on 10-15-04 (no note found)
					Petroleum	36 - 1 ounce of petroleum (unknown) reported spilled 5-12-06
					Petroleum	37 - 1 sheen of petroleum (unknown) reported spilled on 11-7-06
					Not Reported/Unknown	38 - 55 gallons of unknown reported spilled on 12-4-06
					Petroleum	39 - Unknown gallons of petroleum (diesel fuel) reported spilled on 9-25-07
					Petroleum	40 - Petroleum (gasoline) reported spilled on 2-6-07
					Not Reported/Unknown	41 - Unknown
					Petroleum	42 - 2 gallons of oil (diesel) reported spilled on 3-20-98
					Petroleum	43 - Oil (fuel #2d) reported spilled on 5-21-01
					Petroleum	44 - Gasoline (automotive unleaded) reported spilled (not into water) on 1-18-04
					Petroleum	45 - Other oil (mixture of gasoline a) reported spilled on 9-23-98
					Petroleum	46 - Abandoned fuel line on underside of pier/rusted and released bunker C

Table E-1
Spills

Note: Formatted for ledger-size printing

Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
45	SEATTLE SCH DIST 1 MERCER MIDDLE SCH	1600 S COLUMBIAN WAY	Lander and Hanford CS	Reported Spills	Petroleum	Unknown gallons of petroleum (oil - other) reported on 3-1-09
49	USDOV DEPT OF VETERANS AFFAIRS, 'VA MEDICAL CENTER, 'VA PSHCS SEATTLE DIVISION	1660 S COLUMBIA WAY	Lander and Hanford CS	Reported Spills	Petroleum	4 quarts of petroleum (waste/used oil) reported spilled on 7-21-01
50	GILBERT	1711 13TH AVE S	Lander and Hanford CS, Lander East SB	Reported Spills	Petroleum	2 gallons of petroleum (diesel fuel) reported spilled on 4-10-07
51	1716 21ST AVE S	1716 21ST AVE S	Lander and Hanford CS	ERNS	Paint	5 gallons of paint reported spilled on 8-22-91
52	<Null>	1743 26TH AVE S	Lander and Hanford CS	ERNS	Sewage/sludge	Sewage/sludge reported spilled on 2-17-97
56	<Null>	17TH / YESLER	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (diesel fuel) reported spilled on 3-29-02
58	<Null>	1801 S MCCLELLAN	Lander and Hanford CS	Reported Spills	Petroleum	40 gallons of petroleum (diesel fuel) reported spilled on 11-6-98
61	MUEHLENBRUCH	1830 13TH AVE S	Lander and Hanford CS, Lander East SB	Reported Spills	Petroleum	Petroleum (motor oil) reported spilled on 5-2-08
63	SEAPORT PETROLEUM, 'AMTRAK W KING ST YARD HOLGATE ST	187 HOLGATE	Lander and Hanford CS, Lander West SB	ERNS and Reported Spills	Petroleum	1 - 100 gallons of petroleum (diesel fuel) reported spilled 10-18-04
				City of Seattle	Petroleum	2 - 10 gallons of petroleum (diesel fuel) reported spilled 10-2-05
						Accidental Spill Spiller Cleaned and Disposed of Waste 4-10-2011
64	ARCTIC ICE CREAM NOVELTIES, '1901 23RD AVE SOUTH	1901 23RD AVE S	Lander and Hanford CS	ERNS	Anhydrous ammonia	100 pounds of anhydrous ammonia reported spilled on 7-8-02
71	<Null>	1ST / SPOKANE	Hanford CS	Reported Spills	Petroleum	6 gallons of petroleum (unknown) reported spilled on 10-5-04
72	UNK	1ST AVE S / SOUTH SPOKANE	Hanford CS	Reported Spills	Chemical	1 quart of chemical reported spilled on 12-6-02
83	CITY OF SEATTLE	2061 15TH AVE NW	Lander and Hanford CS	Reported Spills	Petroleum	5 gallons of petroleum (oil - other) reported spilled on 11-16-99
84	20TH & MADISON	20TH & MADISON	Lander and Hanford CS	ERNS	Pesticide?	Heavy pesticide odor reported
85	UNK	20TH AVE E / E MERCER	Lander and Hanford CS	Reported Spills	Sewage/sludge	Spilled sewage/sludge reported spilled.
86	UNKNOWN	2100 22ND AVE S	Lander and Hanford CS	Reported Spills	Petroleum	3 gallons of petroleum (gasoline) reported spilled on 6-24-09
88	SKEETERS AUTO REBUILD INC, 'UNKNOWN	2104 S PLUM ST	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	S109524744 - "other - see note" reported 3-29-09 (No note given)
89	JAMES SUZUKI/TOMIKO SUZUKI	2106 RAINIER AVE SOUTH	Lander and Hanford CS	Reported Spills	Chemical	Chemical reported spilled on 12-29-95
90	<Null>	211 23RD AVE	Lander and Hanford CS	Reported Spills	Petroleum	10 gallons of petroleum (fuel oil) reported spilled on 1-3-08
91	SIDOROV	2119 15TH AVE SOUTH	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	20 gallons of unknown reported spilled on 5-15-09
92	<Null>	21ST AVE SO / PLUM ST	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	55 gallons reported spilled on 8-2-00
97	CHEMICAL PROCESSORS INC, 'PARK 90/5, 'STACEY ST SOC 070B83, 'DAMES MOORE S LAB, 'SEATTLE CITY AIRPORT WAY PAINT SHOP,	2203 AIRPORT WAY S STE (100, 200, 250, 300, 301, 360, 400)	Lander and Hanford CS, Lander West SB	Reported Spills	Methylene chloride	1 - 2 gallons of methylene chloride reported spilled on 3-5-08
					Chemical	2 - 1 container of chemical reported spilled on 3-3-06
102	PJ MARKET, 'MONACO, 'SHELL #48358	2220 E UNION ST	Lander and Hanford CS	Reported Spills	Petroleum	5 gallons of petroleum (gasoline) reported spilled on 5-29-06
106	KING CO METRO TRANSIT	22ND AVE E / E MADISON	Lander and Hanford CS	Reported Spills	Hazardous	3 gallons of other hazardous reported spilled on 2-26-01
107	<Null>	22ND AVE SOUTH / SOUTH NORMAN ST	Lander and Hanford CS	Reported Spills	Chemical	3 gallons of chemical reported spilled on 2-14-02
109	<Null>	2301 22ND AVE S	Lander and Hanford CS	Reported Spills	Petroleum	25 gallons of petroleum (hydraulic oil) reported spilled on 7-14-05
110	<Null>	2333 32ND AVE S	Lander and Hanford CS	Reported Spills	Chemical	5 gallons of chemical reported spilled on 4-9-07
113	FIRST STUDENT CARRIAGE CO	23RD / UNION	Lander and Hanford CS	Reported Spills	Hazardous	4 gallons of other hazardous reported spilled on 3-20-01
114	SWANSON	23RD AVE S / S JACKSON	Lander and Hanford CS	Reported Spills	Petroleum	50 gallons of petroleum (diesel fuel) reported spilled on 3-29-02
118	INDUSTRIAL PLATING CORP, 'IPC INIDUSTRIAL PLATING CORP, '2411 6TH AVE SOUTH	2411 6TH AVE S	Lander and Hanford CS, Lander West SB	ERNS and Reported Spills and City of Seattle	Not Reported/Unknown	1 - 2000 gallons of "other - see note" reported spilled on 3-25-08 (No note given)
					Waste water	2 - 50000 gallons of F006 waste water reported spilled on 3-26-08
120	SUNNY MONY & RAJAN INC, 'UNOCAL SS 5477 FORMER, '2415 BEACON AVENUE S.	2415 BEACON AVE S	Lander and Hanford CS, Lander East SB	ERNS and Reported Spills	Petroleum	2 gallons of petroleum (gasoline) reported spilled on 9-23-04
122	UNKNOWN, 'SEATTLE SOLID WASTE UTILITY, 'SHELL STATION 120984, 'SHELL #20597 (TWO REPORTS)	2424 BEACON AVE S	Lander and Hanford CS, Lander East SB	Reported Spills	Petroleum	15 gallons of petroleum (gasoline) reported spilled on 12-28-08
				City of Seattle	Soap/Washwater	Fixed business not implementing BMPs Spiller Cleaned and Disposed of Waste, 8/25/12
					Petroleum	1 - 1 gallon of unknown oil reported spilled in Elliot Bay on 4-2-08
					Petroleum	2 - 2 pints of petroleum (oil other) reported spilled on 9-25-05
					Petroleum	3 - Unknown gallons of petroleum (unknown) reported spilled on 7-27-08
					Petroleum	4 - 1 gallon of petroleum (unknown) reported spilled on 4-2-08
					Petroleum	5 - Unknown gallons of petroleum (hydraulic oil) reported spilled on 1-2-08
					Petroleum	6 - 2 gallons of petroleum (hydraulic oil) reported spilled 1-13-05
					Chemical	7 - 42 gallons of chemical reported spilled on 6-26-04
					Petroleum	8 - 0.5 cups of hydraulic oil reported spilled on 1-2-08
					Potassium hydroxide, silver	9 - 42 gallons of a mixture of potassium hydroxide and silver reported spilled into a storm drain on 6-26-04
					Petroleum	10 - 15 gallons of oil (lubricating) reported spilled on 5-13-05
					Petroleum	11 - Unknown amount of unknown oil reported spilled on 7-27-08
					Petroleum	12 - 15 gallons of petroleum (lube oil) reported spilled on 5-13-05
124	CAREER LINK, 'BIRTH TO 3 CONTRACTS, 'SEATTLE SCHOOL DIST JOHN STANFORD CENTER, 'SEATTLE GENERAL MAIL FACILITY (TWO REPORTS), 'LINCOLN HIGH SCHOOL	2445 3 AV S	Lander and Hanford CS, Lander West SB	Reported Spills	Petroleum	20 gallons of petroleum (oil - other) reported spilled on 6-23-05
126	SHELL	2450 BEACON AVE SO.	Lander and Hanford CS, Lander East SB	Reported Spills	Petroleum	1 gallon of petroleum (gasoline) reported spilled on 1-27-00
131	PORT OF SEATTLE MARINE MAINT SHOP, 'SEATTLE PORT SEAPORT MAINTENANCE	25 S HORTON ST	Hanford CS	ERNS	Petroleum	Unknown oil sheen reported seen in Elliot Bay 6-10-99
135	<Null>	2524 S JACKSON ST	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (unknown) reported spilled on 2-7-03
139	<Null>	25TH AVE S / SOUTH MCCLELLAN	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	6 drums of unknown material reported spilled on 11-2-06

**Table E-1
Spills**

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Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
140	<Null>	2600 25TH AVE SOUTH, KENT. I5 SOUTH TO	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	Spill reported 8-19-98
144	SEATTLE CITY ESD AIRPORT WAY, 'SEATTLE WATER OPERATIONS, 'SEATTLE PUBLIC UTILITIES OPERATIONS CTR	2700 AIRPORT WAY S	Lander and Hanford CS	Reported Spills	Petroleum	10 gallons of petroleum (diesel fuel) reported spilled on 3-13-08
148	2701 BEACON AVE SO	2701 BEACON AVE SO	Lander and Hanford CS, Lander East SB	ERNS	Petroleum	25 gallons of diesel reported spilled on 6-12-90
149	GOMEZ, 'HOME DEPOT 4702	2701 UTAH AVE	Lander and Hanford CS, Lander West SB	Reported Spills	Not Reported/Unknown Not Reported/Unknown	1 - Spill reported 10-18-07 2 - 20 Gallons of "other (see note)" reported spilled on 6-22-06 (No note given)
150	UNK	2706 14TH AVE S	Lander and Hanford CS, Lander East SB	Reported Spills	Petroleum	1 quart of petroleum (gasoline) reported spilled on 5-25-03
151	<Null>	2709 SOUTH MAIN ST	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (oil other) reported spilled on 2-26-00
153	PORT OF SEATTLE TERM 30, '2715 E MARGINAL WAY SOUTH, 'COLTUS, 'CROWLEY MAINE SERVICES, 'MYLER	2715 E MARGINAL WAY S	Lander and Hanford CS, Lander West SB	Reported Spills	Petroleum Petroleum Petroleum	1 - Unknown gallons of petroleum (unknown) reported spilled 2-7-08 2 - 50 gallons of oil (diesel) reported spilled on 3-14-08 3 - 2 gallons of petroleum (waste/used oil) reported spilled on 6-22-02
156	RABANCO MATERIAL RECOVERY AND RECYCLING, 'RABANCO RECYCLING TRANSFER STATION (3RD & LANDER)	2733 3DR AVE S	Lander and Hanford CS, Lander West SB	Reported Spills	Petroleum	3 gallons of petroleum (oil other) reported spilled on 10-4-06
160	BNSF RAILWAY COMPANY SEATTLES, 'SEATTLE CITY LIGHT	2750 OCCIDENTAL AVE S	Lander and Hanford CS, Lander West SB	Reported Spills	Transformer oil	2 gallons of transformer oil reported spilled on 3-1-01
171	SOUND TRANSIT CENTRAL MAINTENANCE BASE	2901 AIRPORT WAY	Lander and Hanford CS	Reported Spills	Petroleum	15 gallons of petroleum (diesel fuel) reported spilled on 5-11-04
177	2929 16TH AVE, 'LOCKHEED SHIPBLDG CO YARD 1	2929 16TH AVE	Lander and Hanford CS	ERNS	Petroleum	Sheen of unknown oil reported spill 11-20-90
185	UNKNOWN	3030 AIRPORT WAY S.	Lander and Hanford CS	Reported Spills	Petroleum	5 gallons of petroleum (hydraulic oil) reported spilled on 12-20-96
189	UNK	316 BROADWAY?	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (other) reported spilled on 7-8-03
190	KIMBALL ELEMENTARY SCHOOL	3200 23 AV S	Lander and Hanford CS	ERNS	Not Reported/Unknown	No detail given
193	<Null>	321 16TH AVE S	Lander and Hanford CS	Reported Spills	Vegetable oil	5 gallons of vegetable oil reported spilled on 2-4-09
200	<Null>	3224 EAST MARGINAL WAY S	Hanford and Hinds CS, Lander West SB	Reported Spills	Petroleum	1 cup of petroleum (oil - other) reported spilled on 11-4-05
201	MATSON TERMINAL 25, 'TAU SEDIMENT MANAGEMENT FACILITY, 'TERMINAL 25 - SSA	3225 E MARGINAL WAY S	Hanford and Hinds CS, Lander West SB	ERNS	Not Reported/Unknown Sewage	1 - 40 ft. container leaking unknown liquid, reported on 1-18-93 2 - 1 gallon of raw sewage reported spilled on 3-21-91
202	UNK	3241 MARGINAL WAY S	Hanford and Hinds CS, Lander West SB	Reported Spills	Petroleum	1 sheen of petroleum (unknown) reported spilled on 9-10-05
207	FERCHERT	3300 S OREGON ST	Lander and Hanford CS	Reported Spills	Hazardous	Other hazardous reported spilled on 9-19-08
208	3300 SOUTH OREGON STREET	3300 SOUTH OREGON STREET	Lander and Hanford CS	ERNS	Petroleum	Natural gas reported spilled on 9-19-08
210	<Null>	3304 27TH AVENUE SOUTH	Lander and Hanford CS	Reported Spills	Chemical	Chemical reported spilled on 2-23-04
211	'3305 SOUTH LANDER RD.	3305 S LANDER	Lander and Hanford CS	ERNS and Reported Spills	Not Reported/Unknown Paint	1 - "Other - see note" reported 4-28-07 (No note given) 2 - Paint dumped into storm drain, reported on 4-28-07
213	PAUL	3319 18TH AVE W	Lander and Hanford CS	Reported Spills	Petroleum	2 gallons of petroleum (diesel fuel) reported spilled on 10-9-07
218	CHEMICAL PROCESSORS INC SEATTLE, 'BEI CHEMPRO FIELD SVCS PS, '3400 EAST MARGINAL WAY	3400 E MARGINAL WAY	Hinds CS, B-33 SB	ERNS	Not Reported/Unknown	Vehicle struck a power pole landing on a Union Pacific Railroad, reported on 4-13-07
220	<Null>	3407 AIRPORT WY	Lander and Hanford CS	Reported Spills	Anti-freeze	2 gallons of anti-freeze reported spilled on 10-27-08
221	3407 EAST MARGINAL WAY	3407 EAST MARGINAL WAY	Hinds CS, Hinds SB	ERNS	Anhydrous ammonia	Earthquake caused pipe to rupture and release anhydrous ammonia - reported on 10-28-01
224	ACME INTERCITY FREIGHT, 'PACKAGE SERVICE INC, 'COMMERCIAL PROPERTY	3414 2ND AVE S	Hanford CS	ERNS	Petroleum	35 gallons of gasoline (automotive 4.23G PB/G) reported spilled on 10-9-91
227	MOSHART TRUCKING	3429 COLORADO AVE S	Hanford CS	Reported Spills	Petroleum	50 gallons of petroleum (diesel fuel) reported spilled on 12-17-98
231	PENSKE TRUCK LEASING CO LP, 'ROLLINS LEASING CORP	3443 1ST AVE S	Hanford CS	Reported Spills	Petroleum	Petroleum (motor oil) reported spilled on 8-27-02.
233	UNKNOWN	34TH AVE S / S HORTON ST	Lander and Hanford CS	Reported Spills	Petroleum	10 gallons of petroleum (fuel oil) reported spilled on 3-20-09
234	<Null>	3520 6TH AVE S	Lander and Hanford CS	Reported Spills	Petroleum	3 gallons of petroleum (diesel fuel) reported spilled on 1-28-06
235	3600 EAST MARGINAL WAY SOUTH	3600 EAST MARGINAL WAY SOUTH		ERNS	Chemical	Construction company released chemicals causing strong odor, reported on 8-14-02
242	SEATTLE CITY LIGHT MRWF, 'SEATTLE CITY LIGHT (FIVE REPORTS)	3613 4TH AV S	Lander and Hanford CS	Reported Spills	Petroleum Petroleum	1 - 1 unknown units of petroleum (chlorinated oil) reported spilled on 10-28-05 2 - Petroleum (diesel fuel) reported spilled on 10-27-05
244	<Null>	3623 EAST MARGINAL WAY S	Hinds and Hanford CS	Reported Spills	Petroleum	1 cup of petroleum (hydraulic oil) reported spilled on 10-12-05
249	LOCKE, 'FLUOROCARBON CO, 'SAINT GOBAIN PERFORMANCE PLASTICS	3711 S HUDSON	Lander and Hanford CS	Reported Spills	Anti-freeze	2 gallons of anti-freeze reported spilled on 11-26-03
251	3801 E MARGINAL WAY S, 'ASH GROVE CEMENT COMPANY, 'ASH GROVE CEMENT WEST INC, Seattle City Light	3801 E MARGINAL WAY S	Hanford CS, S Hinds St CSO/SD	ERNS, Reported Spills, and TCRIS, City of Seattle	Nitrous oxide, benzene, nitrogen dioxide, mercury Not Reported/Unknown Not Reported/Unknown Petroleum Petroleum Not Reported/Unknown Not Reported/Unknown Concrete/Cement Sediment	1 - 267 pounds of nitrous oxide, 20 pounds of benzene, 5337 pounds of nitrogen dioxide, and 2 pounds of mercury reported spilled on 6-19-00 2 - Smoke reported 12-23-00 3 - Dust reported 1-12-01 4 - 1 quart of petroleum (hydraulic oil) reported spilled 5-3-05 5 - 40 gallons of petroleum (diesel fuel) reported spilled on 11-19-03 6 - 1 ton of "other - see note" reported spilled on 5-3-08 (no note given) 7 - "Other - see note" reported spilled on 5-2-03 (no note given) 8 - Accidental Spill: Spiller cleaned and disposed of waste; SPU spill contractor activated for cleanup; referred to other agency; NRC called but turned away by SSC, 12-12-08 9 - Construction: Spiller cleaned and disposed of waste, 4-8-09

Table E-1
Spills

Note: Formatted for ledger-size printing

Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
257	<Null>	3RD / HORTON	Lander and Hanford CS	Reported Spills	Petroleum	10 gallons of petroleum (diesel fuel) reported spilled on 5-3-99
261	4058 RAINIER AVE S., 'DARIGOLD, 'WESTFARM FOODS SEATTLE, 'PENSKE TRUCK LEASING CO LP	4058 RAINIER AVE S	Lander and Hanford CS	ERNS, Reported Spills, and TCRIS	Not Reported/Unknown	1 - 30 gallons of "other - see note" reported spilled on 2-6-08 (no note given)
					Not Reported/Unknown	2 - 50 gallons of "other - see note" reported spilled on 12-10-04
					Anhydrous ammonia	3 - 800 pounds of anhydrous ammonia reported spilled on 3-27-91
					Anhydrous ammonia	4 - 100 pounds of anhydrous ammonia reported spilled on 9-1-93
					Anhydrous ammonia	5 - 400 pounds of anhydrous ammonia reported spilled on 2-13-06
					Chemical	6 - 500 pounds of chemical reported spilled on 9-14-02
					Anhydrous ammonia	7 - 300 pounds of anhydrous ammonia reported spilled on 9-14-02
					Anhydrous ammonia	8 - 400 pounds of anhydrous ammonia reported spilled on 3-25-91
					Chemical	9 - 90 pounds of chemical reported spilled on 3-10-02
					Chemical	10 - 400 pounds of chemical reported spilled on 2-13-06
					Anhydrous ammonia	11 - 100 pounds of anhydrous ammonia reported spilled on 3-10-02
					Chemical	12 - 100 pounds of chemical reported spilled on 8-5-03
					Anhydrous ammonia	13 - 100 pounds of anhydrous ammonia reported spilled on 8-5-03
265	<Null>	4215 RAINIER AVE S.	Lander and Hanford CS	Reported Spills	Petroleum	2 gallons/min of petroleum (hydraulic fuel) reported spilled on 6-16-05
266	JACOBSON	422 26TH AVE S	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum diesel reported spilled 3-6-09
267	<Null>	4249 (?) MEAD ST	Lander and Hanford CS	Reported Spills	Waste water	Waste water reported spilled 11-18-05
268	<Null>	426 26TH AVE SO.	Lander and Hanford CS	Reported Spills	Petroleum	Unknown gallons of petroleum (hydraulic oil) reported spilled on 2-6-09
269	PACIFIC RAIL SVCS, 44 SOUTH HANFORD	44 S HANFORD	Hanford CS	ERNS and Reported Spills	Petroleum	1 - 15 gallons of petroleum (diesel fuel) reported spilled on 12-4-07
					Not Reported/Unknown	2 - 29000 pounds of "other - see note" reported spilled on 4-11-04 (no note given)
					Petroleum	3 - 200 gallons of petroleum (diesel fuel) reported spilled on 1-28-06
					Petroleum	4 - 300 gallons of petroleum (diesel fuel) reported spilled on 12-19-08
					Petroleum	5 - 2500 gallons of petroleum (diesel fuel) reported spill on 8-20-09
					Chemical	6 - Chemical reported spilled on 7-14-02
					Petroleum	7 - 70 gallons of petroleum (diesel fuel) reported spilled on 10-21-02
					Petroleum	8 - 1000 gallons of petroleum (diesel fuel) reported spilled on 4-13-06
					Methanol	9 - HMIRS: 30 gallons of methanol reported spilled on 6-21-01
					Aluminum smelt by-product	10 - HMIRS: 250 pounds of aluminum smelt by-product reported spilled on 3-26-03
					Alcohol	11 - HMIRS: 0.125 gallons of denatured alcohol reported spilled on 2-14-95
					Methanol	12 - HMIRS: 2 gallons of methanol reported spilled on 7-6-01
					Turpentine?	13 - HMIRS: Crude sulfate turpen vapor reported 7-14-02
Aluminum smelt by-product	14 - HMIRS: 100 pounds of aluminum smelt by-product reported spilled on 3-26-03					
278	WING, DAVID	4705 53RD AVE SO	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	Other hazardous reported spilled on 9-16-99
281	<Null>	4809 SOUTH FERDINAND	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	Other (see note) reported spilled on 9-1-95
282	SIMS	4811 S MAYFLOWER	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	Spill reported 9-25-95
283	UNKNOWN	4TH / LANDER ST	Lander and Hanford CS, Lander West SB	Reported Spills	Not Reported/Unknown	Spill reported 9-5-08
285	500 17TH, 'SWEDISH MEDICAL CENTER PROVIDENCE CAMPUS, 'HOPE HEART INSTITUTE THE	500 17TH AVE RM (475D)	Lander and Hanford CS	ERNS and Reported Spills	Chlorine, phosphoric acid	1 - 1 gallon of chlorine and 2 pounds of phosphoric acid mixed into line pumping reservoir, reported on 3-22-91
288	HA	5223 RAINIER AVENUE	Lander and Hanford CS	Reported Spills	Petroleum	2 - 20 gallons of petroleum (hydraulic oil) reported spilled on 9-27-04
290	UNKNOWN	525 26TH AVE S	Lander and Hanford CS	Reported Spills	Hazardous	5 gallons of other hazardous reported spilled on 12-19-02
291	UNK	5251 24TH AVE NW	Lander and Hanford CS	Reported Spills	Pesticide	Pesticide reported spilled on 5-26-2000
293	UNK	5275 S BRANDON ST	Lander and Hanford CS	Reported Spills	Petroleum	1 other (see note) sheen reported spilled on 2-22-06
304	<Null>	6TH / HOLTGATE	Lander and Hanford CS	Reported Spills	Petroleum	100 gallons of petroleum (diesel fuel) reported spilled on 1-18-03
305	SHELL STATION 121499, 'SHELL #47481/TEXACO #121499	700 12TH AVE	Lander and Hanford CS	Reported Spills	Petroleum	15 gallons of petroleum (gasoline) spilled on 8-30-02
307	<Null>	707 RAINIER AVE S	Lander and Hanford CS	Reported Spills	Petroleum	12 gallons of petroleum (gasoline) reported spilled 8-19-07
308	UNKNOWN	718 20TH AVE	Lander and Hanford CS	Reported Spills	Not Reported/Unknown	2 drums of unknown reported spilled on 1-4-02
311	UNK, '12TH & COLUMBIA SITE	729 12TH AVE	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (fuel oil) reported spilled on 1-8-97
313	<Null>	750 RAINIER AVE SO	Lander and Hanford CS	Reported Spills	Anti-freeze	Anti-freeze reported spilled 2-23-07
316	AAA Liquidation and Auction Service	80 S HORTON ST	Hanford CS	Reported Spills, City of Seattle	Petroleum, Chemical	5 gallons of petroleum (hydraulic oil) reported spilled on 9-9-03
318	UNK	834 18TH AVE	Lander and Hanford CS	Reported Spills, City of Seattle	Petroleum, Chemical	1 - 1 quart of petroleum (lube oil) reported spilled on 9-5-01
319	MODEL & INSTRUMENT DEVELOPMENT, 'SIGNAL EQUIPMENT INC.	836 POPLAR PL S	Lander and Hanford CS	Reported Spills, City of Seattle	Petroleum, Chemical	2 - Fixed business not implementing BMPs: Cleaned with on hand spill materials; referred to other agency, 8-13-10
324	'CANELLA INC	'901 HIAWATHA PL S	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum (unknown) reported spilled on 6-28-06
328	<Null>	925 HIAWATHA PL S	Lander and Hanford CS	Reported Spills	Petroleum	Petroleum
330	<Null>	948 RAINIER AVE S.	Lander and Hanford CS	Reported Spills	Petroleum	5 gallons of petroleum (diesel fuel) reported spilled on 2-23-04
336	IN ALLEY BEHIND 3557 S. GENESEE	IN ALLEY BEHIND 3557 S. GENESEE	Lander and Hanford CS	ERNS	Petroleum	Petroleum (diesel fuel) reported spilled on 1-11-99
340	RAINEER PETROLEUM HARBOR ISLAND	RAINEER PETROLEUM HARBOR ISLAND	Lander and Hanford CS	ERNS	Petroleum	1 gallon of petroleum (unknown) reported spilled on 1-13-09
347	VALLEY GEO & TRANSMISSION 1543 RAINIER AV	VALLEY GEO & TRANSMISSION 1543 RAINIER AV	Hanford CS, Hinds SB	ERNS	Not Reported/Unknown	110 gallons of unknown spilled
348	Mastro Properties	510 Rainier Ave S	Lander and Hanford CS	ERNS	Petroleum	20 gallons of oil (fuel # 2d) reported spilled on 1-10-98
				Ecology Spills Database	Sludge	150 gallons of sludge burned - reported on 3-3-90
					Not Reported/Unknown	from WA Ecology Spills database - no detail given

**Table E-1
Spills**

Note: Formatted for ledger-size printing

Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
349	Lee & Eastes Tank Lines Airport Way	2418 Airport Way S	Lander and Hanford CS, Lander West SB	Ecology Spills Database	Not Reported/Unknown	from WA Ecology Spills database - no detail given
350	Matson Terminal 25	3225 E Marginal Way S	Lander and Hanford CS, Lander West SB	Ecology Spills Database	Not Reported/Unknown	from WA Ecology Spills database - no detail given
362	East Waterway	NA	NA	ERNS, Reported Spills, and EW SEDGM* (Anchor QEA and Windward 2009)	Petroleum	1 - Hydraulic line was blown on a crane on board a vessel spilling a cup of oil in the water and spilled 1 cup of hydraulic oil into the water near 1100 SW Massachusetts St (Crowley Marine Services) on 4-16-06
					Petroleum	2 - 2 quarts of lube oil reported spilled into water near 1100 SW Massachusetts St (Crowley Marine Services) on 7-14-03
					Petroleum	3 - 1 cup of lube oil reported spilled into water near 1100 SW Massachusetts St (Crowley Marine Services) on 7-14-03
					Petroleum	4 - 1 gallon of hydraulic oil reported spilled into water near 1113 SW Manning (Kiewit-Global) on 6-19-90
					Petroleum	5 - 2 quarts of hydraulic oil reported spilled into water near 1317 SW Spokane St on 10-26-03
					Petroleum	6 - 8 quarts of motor oil reported spilled into water near 1519 Alaskan Way S on 7-30-04
					Petroleum	7 - 200 gallons of hydraulic oil reported spilled into water near 1519 Alaskan Way S on 12-4-03
					Petroleum	8 - 3 cups of fuel oil reported spilled into water near 1519 Alaskan Way S on 5-21-01
					Petroleum	9 - 1 quart of (unidentified) oil reported spilled into water near 2431 East Marginal Way South on 9-25-05
					Petroleum	10 - An unknown amount of diesel fuel reported spilled into water near 2720 13th Ave SW (Kinder Morgan Energy Partners) on 11-30-05
					Petroleum	11 - 100 gallons of hydraulic oil reported spilled into water near 2720 13th Ave SW (SSA Marine) on 9-7-03
					Petroleum	12 - 1 gallon of crude oil reported spilled into water near 2720 13th Ave SW (Olympic Tug & Barge) on 6-19-03
					Petroleum	13 - 2 gallons of diesel fuel reported spilled into water near 2720 13th Ave SW (unknown trucking company) on 11-19-01
					Petroleum	14 - 50 gallons of drill oil reported spilled into water near 2720 13th Ave SW (Kinder Morgan Energy Partners) on 8-29-06
					Petroleum	15 - 1 sheen reported seen in surface water near 910 SW Spokane Street on 10-30-00, 2-12-01, and 4-26-01
					Petroleum	16 - Unknown sheen sighting on the East waterway of Duwamish River on 3-11-07, 3-15-07, 4-21-05 and 8-17-05
					Not Reported/Unknown	17 - A mystery drum reported found in the East waterway of Duwamish River on 6-23-03
					Bilge water	18 - Bilge slops reported spilled into East waterway Pier 23 (Olympic Tug & Barge) on 7-28-06. The caller stated that the engineer was cleaning the engine room when the wrong valve was turned and bilge slop was discharged.
					Petroleum	19 - Unknown sheen sighting on East waterway Pier 30 on 9-17-05
					Petroleum	20 - Unknown sheen sighting in the water around a vessel at Kinder Morgan Terminal (Evros) on 10-28-03
					Petroleum	21 - Unknown sheen sighting on East waterway Pier 23 (910 SW Spokane St) on 5-19-07
					Petroleum	22 - Unknown sheen sighting on East waterway Terminal 25 (near USCG base) on 4-29-06. Source of the release is unknown at this time, but a nearby construction area is suspected; exact source unknown.
					Xylene cresols	23 - Xylene cresols was released from a container on Terminal 18 (Harbor Island) on 6-7-05 due to operator error
					Petroleum	24 - Unknown sheen sighting on East waterway Terminal 18 on 11-6-05
					Petroleum	25 - Hydraulic oil reported spilled near Terminal 23 on 6-29-06. The caller stated that a maintenance crew was pumping water out of a tank when some residual oil was pumped overboard
					Petroleum	26 - Unknown sheen sighting near a vessel on East waterway Pier 36 on 11-11-06
					Petroleum	27 - Unknown sheen coming from an outfall near East waterway Terminal 18, Berth #4 Harbor Island on 9-30-05
					Sewage	28 - Human waste reported spilled in Elliott Bay, inside East waterway on 5-14-051 - grayish sheen in the water 5-2-02
					Petroleum	29 - rainbow sheen in the water, 6-13-03
					Petroleum	30 - Oil (fuel # 2) sheen in the water, 7-31-00
					Turpentine	31 - 2 cups of turpentine spilled into water, 10-31-00
					Petroleum	32 - Unknown oil producing rainbow sheen in water, 1-21-01
					Petroleum	33 - 2 gallons of oil (diesel) spilled into water, 2-21-01
					Petroleum	34 - 1 gallon of hydraulic oil spilled, 20 ounces into water, 5-17-01
					Petroleum	35 - 8 ounces of hydraulic oil spilled, 5 ounces into water, 1-31-02
					Petroleum	36 - 2 gallons diesel spilled while transferring at Olympic Tug and Barge 4-13-09
					Petroleum	37 - Unknown sheen in water, 8-11-99
					Petroleum	38 - "A petroleum spill occurred at the Port of Seattle's Terminal 18 located on the east side of Harbor Island. The material spilled was substance referred to as "S-7079 Mining Intermediate" which is a light, white colored petroleum distillate. Estimated 3,000 to 4,000 gallons of this liquid was released from a container, and entered the East Duwamish Waterway through a series of six drains located on the dock." 3-9-12
						Terminal 30:
					Petroleum	39 - 2 gallons of other oil reported spilled into water on 6-22-02
					Petroleum	40 - An unknown amount of unknown oil reported spilled into water on 2-8-08
					Paint thinner	41 - 1 cup of paint thinner reported spilled into water on 7-25-04
					Petroleum	42 - 6 gallons (2 gallons into water) of hydraulic oil reported spilled on 1-13-05
					Petroleum	43 - 1 quart (0.5 quarts into water) of other oil reported spilled on 9-25-05
						USCG Property:
					Petroleum	44 - Grease sheen in water on 8-19-07
					Petroleum	45 - 2 cups of hydraulic oil spilled into the water on 4-29-04
					Petroleum	46 - Oily water spilled on 10-1-04
					Petroleum	47 - Unknown oil spilled into the water on 6-8-01
					Petroleum	48 - 1 teaspoon of oil (fuel # 2) spilled into water on 2-11-03
					Petroleum	49 - 10 gallons of 9250 oil spilled into water on 2-10-08
					Petroleum	50 - Unknown oil released into water on 2-28-08
					Not Reported/Unknown	51 - 126 gallons (100 into water) of aqueous film forming foam reported spilled on 8-9-2008

Table E-1
Spills

Note: Formatted for ledger-size printing

Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
362	East Waterway (continued)				Petroleum	52 - Unknown oil sheen reported in Elliot Bay on 4-23-07
					Paint	53 - White paint spilled into water on 12-12-07
					Petroleum	54 - 6 quarts (2 quarts in water) of 10W30 motor oil reported spilled on 12-12-08
					Petroleum	55 - Unknown oil sheen reported on water on 10-6-04
					Petroleum	56 - 1 barrel of unknown oil reported floating in water on 8-11-06
					Paint	57 - 4 ounces of paint spilled into water on 6-16-00
					Petroleum	58 - 1 cup of hydraulic oil reported spilled into water on 5-11-98
					Petroleum	59 - Unknown oil sheen reported on water on 8-17-00
					Petroleum	60 - Unknown oil sheen reported on water on 10-22-02
					Petroleum	61 - Unknown oil sheen reported on water on 10-22-02
					Sewage	62 - 1 quart of raw sewage spilled into water 7-12-03
					Petroleum	63 - 200 gallons of hydraulic oil reported spilled into water on 12-10-03
					Petroleum	64 - 2 quarts of engine oil 10W30 spilled into water on 12-24-03
					Petroleum	65 - 1 ounce of engine oil reported spilled into water on 5-12-06
					Petroleum	66 - 2 cups (1 cup into water) of unknown oil reported spilled on 11-13-99
					Petroleum	67 - 1 unknown sheen reported spilled on 4-22-07
						Terminal 25:
					Petroleum	68 - 25 gallons (1 in water) of oil (diesel) reported spilled on 4-13-08
						Ash Grove Cement:
						Petroleum
363	SEATTLE PORT TERMINAL 106 NW, 'DIRECT CONTAINER LINE, 'PORT OF SEATTLE TERMINAL #106	3629 DUWAMISH AV S	Hinds CS	Reported Spills	Chemical	1 - Chemical reported spilled 7-10-08
					Anti-freeze	2 - Anti-freeze reported spilled on 7-14-08
					Petroleum	3 - 1 gallon of petroleum (hydraulic oil) reported spilled 3-4-03
365	Null	3200 23rd Ave S	Combined	City of Seattle	Not Reported/Unknown	Unknown: Source traced, 3-22-11
366	Null	Yesler Wy & 13th Ave	Combined	City of Seattle	Paint	Illegal Dumping: Referred to other agency and covered containers, 1-12-11
367	Null	East Marginal Wy S & S Spokane St	Lander SD	City of Seattle	Petroleum	Motor Vehicle Accident: Cleaned with on hand spill materials, SPU spill contractor activated for cleanup, referred to other agency, 7-22-10
368	Fairweather Masonry, K.C. Metro	S Stacy St & 4th Ave S	Lander SD	City of Seattle	Petroleum	1 - Accidental Spill: Spiller cleaned and disposed of waste, 4-21-10 2 - Motor Vehicle Accident: Spiller cleaned and disposed of waste, 6-4-10
369	Null	11th Ave SW & SW Spokane St		City of Seattle	Algae/Bacteria/Vegetation	Algae/Bacteria Bloom/Natural foam: Source traced, 4-10-09
370	Null	12th Ave E & E Jefferson St	Combined	City of Seattle	Petroleum	Motor Vehicle Accident: SDOT cleaned street, 3-21-10
371	Null	16th Ave E & E Alder St	Combined	City of Seattle	Not Reported/Unknown	Unknown: Source traced, 9-27-10
372	Null	46th Ave S & S Lucile St	Combined	City of Seattle	Paint	Unknown: Cleaned with on hand spill materials, 8-6-09
373	Archer Construction	6th Ave S & S Forest St	Lander SD	City of Seattle	Sediment	Construction: Spiller cleaned and disposed of waste, 4-21-09
374	Null	13th Ave E & E Cherry St	Combined	City of Seattle	Petroleum	Motor Vehicle Accident: Cleaned with on hand spill materials, 8-2-09
375	Eiger Development	13th Ave S & S Grand St	Lander SD	City of Seattle	Concrete/Cement	Construction: SPU spill contractor activated for cleanup, 5-10-08
376	Null	21st Ave E & E Olive St	Combined	City of Seattle	Petroleum	Leaking Vehicle (no repair): Cleaned with on hand spill materials, 5-7-08
377	Null	1431 24th Ave E	Combined	City of Seattle	Sediment	Other: 12-4-08
378	Daniel Shurtz	1761 Sturgus Ave S	Combined	City of Seattle	Petroleum	Leaking Vehicle (no repair): 2-8-10
379	Frontier Transport	200 S Horton St	Lander SD	City of Seattle	Petroleum	Leaking Vehicle (no repair): Referred to other agency, 7-19-10
380	Kim Ngyen	2317 21st Ave S	Combined	City of Seattle	Not Reported/Unknown	Other: No action taken, 7-19-09
381	Savanah Logistics	2400 11th Ave SW	Harbor Island - EWW	City of Seattle	Petroleum	Motor Vehicle Accident: Referred to other agency, 3-9-10
382	Null	2460 4th Ave S	Lander SD	City of Seattle	Petroleum	Motor Vehicle Accident: Cleaned with on hand spill materials; referred to other agency; postal garage employees cleaned site, 8-1-08
383	Cleancescapes	2801 3rd Ave S	Combined	City of Seattle	Petroleum	Accidental Spill: Spiller cleaned and disposed of waste, 6-25-10
384	Null	3048 20th Ave S	Combined	City of Seattle	Petroleum	1 - Leaking Vehicle (no repair): Cleaned with on hand spill materials, 1-20-10
					None	2 - Other: 1-25-10
385	Null	411 12th Ave	Combined	City of Seattle	Not Reported/Unknown	Unknown: Referred to other agency, 7-9-09
386	Null	4247 Letitia Ave S	Combined	City of Seattle	Petroleum	Unknown: Unable to locate, 2-15-10
387	Rick Mesaric Remodeling	515 22nd Ave	Combined	City of Seattle	Paint	Fixed business not implementing BMPs: Educated contractor, 9-8-07
388	Bronco Transportation Service Inc	700 S Forest St	Lander SD	City of Seattle	Petroleum	Motor Vehicle Accident: SPU spill contractor activated for cleanup; referred to other agency, 8-27-08
389	Pro Team Janitorial	800 S Stacy St	Lander SD	City of Seattle	Chemical	Illegal Dumping: SPU spill contractor activated for cleanup, 2-23-10
					Petroleum	Accidental Spill: Spiller cleaned and disposed of waste, 5/2/2012
390	Apply - A - Line	900 SW Spokane St	BR-39	City of Seattle	Paint	Construction: Spiller cleaned and disposed of waste, 10-23-09
391	Alejandro Diaz	1220 S Holgate St	Combined	City of Seattle	Soap/Washwater	Washing-Residential: Cleaned with on hand spill materials, 7-7-08
392	Bens Cleaner Sales Inc.	2221 4th Ave S	Lander SD	City of Seattle	Soap/Washwater	Other: Referred to other agency, educated business about washing BMPs, 1-14-08
393	Null	1961 4th Ave S	Lander SD	City of Seattle	Not Reported/Unknown	Illegal Dumping: Referred to Other Agency; no spill occurred, 3-17-09
394	Null	4th AVE S & S Lander St	Lander SD	City of Seattle	Paint	Unknown cause, cleaned with on hand materials, 9-5-2008
395	Null	Alaskan Wy S & S Holgate St	Lander SD	City of Seattle	Petroleum	Motor Vehicle Accident No Action Taken, 8-27-2010
396	Pepsi Northwest	1st Ave S & S Lander St	Lander SD	City of Seattle	Chemicals	Unknown, No spill 12-10-2010
					Other	Mobile business not implementing BMPs, Spiller Cleaned and Disposed of Waste, Source Traced 3-5-2012

**Table E-1
Spills**

Note: Formatted for ledger-size printing

Map ID	Site Name	Site Address	Drainage Basin(s)	Database	Contaminants	Excerpt From Database
397	Null	Edgar Martinez Dr S & I-90 Hwy	Lander SD	City of Seattle	Petroleum	Leaking Vehicle, source traced 6-7-2011
398	Null	4th Ave S & S Forest St	Lander SD	City of Seattle	Paint	Unknown, Referred to Other Agency 7-19-2011
399	R.T.C.	717 S Lander St	Lander SD	City of Seattle	Petroleum	Leaking Vehicle, Cleaned with On Hand Spill Materials 5-15-2012
400	Null	2535 Airport WY S	Lander SD	City of Seattle	Petroleum	Illegal Dumping, Spiller Cleaned and Disposed of Waste 8-27-2012

Notes:

* = Items 1 through 28 from Appendix I of the East Waterway Initial Source Evaluation and Data Gaps Memorandum (SEDGM; Anchor QEA and Windward 2009)

CS = Combined Sewer

SB = Stormwater Basin

All spills were listed on one or more of the EDR database (Emergency Response Notification System, Incident and Accident Data, Reported Spills, Toxic Chemical Release Inventory System), SEDGM (Anchor QEA and Windward 2009), and queries of Ecology's searchable databases.