PORT OF PORTLAND
PORTLAND INTERNATIONAL AIRPORT
PORTLAND, OREGON

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

Prepared for
PORT OF PORTLAND
Revised June 24, 2020
Project No. 0232.17.39

Prepared by
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MAUL
FOSTER
ALONGI

CERTIFICATIONS

MANAGEMENT APPROVAL

This Spill Prevention Control and Countermeasure Plan will be implemented as described herein.

Signature: _____ Date: 10/19/20

Dan Pippenger

Title: Chief Operating Officer

ENGINEER CERTIFICATION

I hereby attest that I am familiar with the provisions of Title 40 Code of Federal Regulations (CFR), Part 112; that I or my agent have examined the Portland International Airport (PDX) facilities at 7000 NE Airport Way; 7111 NE Alderwood Road; 7110 NE Airport Way, the NW corner of the PDX airfield; 5250 NE Marine Drive; and 10150 NE 33rd Drive (facility); that this Spill Prevention Control and Countermeasure Plan (Plan) has been prepared in accordance with good engineering practice, including consideration of applicable industry standards, and with the requirements of 40 CFR, Part 112; that procedures for required inspections and testing have been established; and that the Plan is adequate for the facility.

EXPIRES: 6/30/2020
This digital seal certifies the signatory and document content.

Signature: _____

Steven P. Taylor, PE

Certificate No. 17921

Date: June 24, 2020

CONTENTS

CONTENTS (CONTINUED)

ILLUSTRATIONS

FOLLOWING PLAN:

DRAWINGS

ACRONYMS AND ABBREVIATIONS

AST	Aboveground Storage Tank
BAX	Burlington Air Express
CFR	Code of Federal Regulations
CUP	Central Utility Plant
DTP	Deicing Treatment Plant
facility	Airport: 7000 NE Airport Way Maintenance Facility: 7111 NE Alderwood Road Central Utility Plant: 7110 NE Airport Way Fire Training Facility: NW corner of airfield PDX Fire Department: 5250 NE Marine Drive Deicing Treatment Plant: 10150 NE 33rd Drive QTA: 7300 NE Airport Way
MCDD	Multnomah County Drainage District
OERS	Oregon Emergency Response System
PCB	Polychlorinated biphenyl
PDX	Portland International Airport
PFFC	Portland Fueling Facilities Corporation
QTA	Quick Turn Around Area
SPCC	Spill Prevention Control and Countermeasure
USEPA	U.S. Environmental Protection Agency
UPS	United Parcel Service
UST	underground storage tank

1 FACILITY INFORMATION

This Spill Prevention Control and Countermeasure (SPCC) Plan has been prepared for the Port of Portland International Airport and associated facilities (PDX or facility).

1.1 Location

The facility comprises approximately 3,200 acres. A facility map is provided in the Drawings section (Port of Portland Drawing C1). The areas included in this SPCC Plan are:

- Maintenance Facility located at 7111 NE Alderwood Road (Port of Portland Drawing C-8),
- Central Utility Plant (CUP) located at 7110 NE Airport Way (Port of Portland Drawing C-5),
- Fire Training Facility located at the NE corner of Airfield (Port of Portland Drawing C-3),
- PDX Fire Department located at 5250 NE Marine Drive (Port of Portland Drawing C-3),
- Deicing Treatment Plant (DTP) located at 10150 NE 33rd Drive (Port of Portland Drawing C-2), and
- Quick Turn Around Area (QTA): 7300 NE Airport Way (Port of Portland Drawing C-6).

Each of these areas is described below and facility diagrams are provided in the Drawings section. Identification of the non-transportation-related oil facilities that are owned and operated by the Port of Portland (Port) were provided by Port personnel.

1.2 Site Facilities and Current Operations

Maintenance Facility – The Maintenance Facility includes offices, storage buildings, and several maintenance shops. A vehicle maintenance shop services Port-owned vehicle and includes vehicle bays, storage areas, offices, and an oil storage room. The vehicle maintenance shop has trench drains which contain potential spills within the building. These drains flow to oil-water separators prior to being discharged to the sanitary sewer

Fire Training Facility – The Fire Training Facility is located near the northwest corner of PDX (Port of Portland Drawing C-3). The area is used by the PDX Fire Department and the Oregon Air National Guard to practice extinguishing live fires.

Fire Department – The PDX Fire Department is dedicated to servicing PDX and limited adjacent areas.

Central Utility Plant – The CUP serves as the primary source of power, heating, and cooling for PDX.

Deicing Treatment Plant – The DTP consists of an Anaerobic Fluidized Bed Reactor that is used to treat deicing stormwater runoff from the PDX aircraft and pavement deicing operations, keeping PDX in compliance with federal, state, and local water quality regulations.

QTA – The QTA is used to wash and fuel rental cars. The Port owns the QTA and the associated fueling dispensing equipment. However, the QTA is operated by the rental car consortium Conrac Solutions. There are four 15,000-gallon gasoline underground storage tanks (USTs). Conrac Solutions is responsible for annual UST testing and training for employees fueling vehicles. The UST certificates are held by the Port.

1.3 Waterways and Site Drainage

Stormwater at PDX is collected through a series of drainage ditches and stormwater pipes that discharge directly into the middle reach of the Columbia Slough or to one of its tributaries. The waters of the Slough are pumped or gravity flow to the lower Columbia Slough via the Multnomah County Drainage District (MCDD) pump station No. 1. The lower Columbia Slough, which is tidally influenced, flows into the Willamette River near its confluence with the Columbia River. PDX has one outfall to the Columbia River used for discharging deicing stormwater and non-deicing stormwater as needed. This outfall is permitted under Anti-icing/Deicing Permit No. 101647 between October 1 and May 31.

Runoff from PDX and adjacent properties is contained within nine drainage areas encompassing an area of nearly 3,246 acres that generally flow south to the Columbia Slough via overland flow, drainpipes, detention facilities, pump stations, and open channels (Port of Portland Drawings C-1 through C-8). Impervious surface covers about 41 percent of airport property. Impervious surfaces include roofs, runways, roads, parking lots, gravel lots and other paved areas. The topography at PDX is flat, with most pervious areas covered with grass or other landscaping. Runoff from Drainage Basins 3, 5, 8, and 9 are conveyed to the Columbia Slough through a system of gravity flow pipes and ditches. Runoff from Drainage Basins 1, 2, 4, 6, and 7 also discharge to the Columbia Slough; however, they are part of the managed runoff deicing system that is operated from October 1 through May 31. Depending on weather, the runoff in the deicing drainage areas may be pumped to the deicing treatment facility then to either the Columbia River or the City of Portland's sanitary sewer (Permit No. 400.131). Descriptions of each drainage basin, industrial activity and available site controls are listed below. Table 1-1 provides the estimated area for each drainage area.

Table 1-1 Drainage Basin Area in Acres

Drainage Basin	Total Area Acres	Drainage Area Discharge Location
Sub-1S	160	SW Quad and Elrod ditch system then Columbia Slough via MCDD PS-2
Sub-1N	648	Elrod ditch system then Columbia Slough via MCDD PS-2
Sub-1E	20	Elrod ditch system then Columbia Slough via MCDD PS-2
Basin 2	203	Broadmoor ditch then Columbia Slough via MCDD PS-3
Basin 3	13	Columbia Slough
Basin 4	50	Columbia Slough
Basin 5	48	Columbia Slough
Sub-6G	264	Columbia Slough
Sub-6H	11	Columbia Slough
Sub-6J	4	Columbia Slough
Sub-7A	634	McBride Slough then the Columbia Slough
Sub-7B	4	McBride Slough then the Columbia Slough
Sub-7C	5	McBride Slough then the Columbia Slough
Sub-7D	5	McBride Slough then the Columbia Slough
Basin 8	437	PIC ditches then Columbia Slough
Basin 9	318	Columbia Slough, includes area east of I-205 not owned by the Port
Table 1-1 data provided by Port of Portland.		

Drainage Basin 1

Drainage Basin 1 is the most western drainage area at PDX and is divided into three sub-basins: 1E, 1N and 1S. Sub-basin 1E conveys stormwater to the Elrod ditch from hangars 8580, 8540, and BPA, and their associated ramps. Sub-basin 1N includes portions of Runways 10R/28L and 10L/28R;

Taxiways D, H and K, Perimeter Road, Fire Station; Fire Training Facility; Portland Fueling Facilities Corporation (PFFC) Fuel Farm; and Deicing System Dilute Storage Tanks, Treatment Plant, and pump stations. Sub-basin 1S discharges to the Elrod ditch and drains portions of Northwest Ramp, portions of Taxiways B, C, E, G, M, T, and portions of Runway 3/21. The remaining areas in Drainage Basin 1, located on Port property, are undeveloped or areas where non-industrial activity occurs and stormwater infiltrates and does not runoff.

Industrial activities in the Drainage Basin 1 drainage area include aircraft support services, which include: light aircraft maintenance, aircraft and vehicle fueling, fuel storage, aircraft painting, septic systems, and the fire house and fire-fighting training facility (pervious areas only).

> Spill control facilities include a catch basin connected to an oil-water separator adjacent to the Fire Department aboveground storage tank (AST) and fueling area. The Fire Training Area does not include drainage structures (the nearest catch basin is more than 350 feet away from the storage tanks), and most of the surface in the area is unimproved and relatively flat; therefore, there is no reasonably likely potential for spills in this area to reach the stormwater sewer system, even in the case of a sudden catastrophic tank release.

Drainage Basin 2

Drainage Basin 2 is located on the southwestern side of the airfield. It includes the southern portion of Runway 3/21, Taxiways E and F, Central Ramp, PFFC remote Fuel Island, United Parcel Service (UPS) Buildings and ramp, and deicing pump station F. Stormwater is conveyed through a quiescent pond before discharging to the Broadmoor ditch.

Industrial activities include aircraft support services including fuel storage, aircraft and ground support vehicle fueling, aircraft maintenance, and deicing and anti-icing.

> Spill control features include one quiescent pond with sorbent and hard booms. The quiescent pond outlet has a valve that can be manually activated in the event of a spill. The quiescent pond outfall also has a sorbent boom.

Drainage Basin 3

Drainage Basin 3 is the smallest basin at PDX and is located on southwestern side of the airfield adjacent to the Columbia Slough. All areas within Drainage Basin 3 are leased by Boeing and includes their hangar, employee parking, and ramp.

Industrial activities include vehicle parking, aircraft maintenance, aircraft painting, and materials storage.

> Spill control features include sorbent booms at the outfall.

Drainage Basin 4

Drainage Basin 4 is located on the southwestern side of the airfield, and boarders the Columbia Slough. Drainage Basin 4 includes the South Ramp air cargo carriers including Federal Express, UPS-Cartage Services, DHL Express, Burlington Air Express (BAX) buildings, and deicing pump station G. Stormwater is conveyed through a quiescent pond before discharging to the Columbia Slough.

Industrial activities include aircraft support services, aircraft loading/unloading, fueling, deicing and anti-icing, unscheduled aircraft maintenance, equipment parking and maintenance, truck fueling, washing, and parking.

Spill control features include one quiescent pond with sorbent and hard booms. The quiescent pond outlet has a valve that can be manually activated in the event of a spill.

Drainage Basin 5

Drainage Basin 5 is located outside of the airfield security fence and is one of the central southern basins. Stormwater is conveyed to an outfall that discharges directly to the Columbia Slough. Multiple cargo facilities operate in this basin as well as the airport's largest mobile fuel provider. Facilities and operations include the International Air Cargo Center building and ramp, Horizon Air, UPS-Cartage Services, Airborne Express, BAX loading docks, and USPS Annex. There are multiple oil-water separators and water quality vaults and one large vegetated swale that provide stormwater treatment.

Industrial activities include fueling, maintenance, washing, loading docks, parking, and landscape maintenance.

Spill control features include sorbent booms at the outfall.

Drainage Basin 6

Drainage Basin 6 is the third largest basin at PDX, occupying the southcentral area of the airfield. Drainage Basin 6 is divided into four sub-basins, 6G, 6H, 6J and the ORANG's basin. ORANG discharges stormwater into the lower east detention pond just above pump station 6. Sub-basin 6G discharges into the quiescent pond above the location where ORANG discharges into the Port's detention basin. Sub-basin 6G includes the middle portion of Runway 10R/28L and Taxiway J; portions of Taxiways B, C, and J; Terminal Gates B, C, and south D; a portion of Short-term Parking Garage P1; Horizon maintenance building and associated ramp; USAF Reserve buildings and ramp; Ground Run-up Enclosure; the Terminal building; and deicing concentrated storage tanks; dilute detention basin; and deicing pump stations. Sub-basin 6H includes the United Airlines hangar roof and ramp. Sub-basin 6J also includes the United hangar roof and parking lot.

Industrial activities include aircraft support services including aircraft maintenance, fueling, washing, deicing and anti-icing, automotive maintenance, ground equipment maintenance, general washing and maintenance, fuel storage, and lavatory truck use.

Spill control features include one quiescent pond with sorbent and hard booms. The quiescent pond outlet has a valve that can be manually activated in the event of a spill. The basin outfall also has a sorbent boom.

Drainage Basin 7

Drainage Basin 7 has four sub-basins, 7A, 7B, 7C and 7D. Sub-basin 7A is the largest and contains: runway 10L/28R and east portion of Runway 10R/28L; General Aviation Ramp; North, Northeast, and Southeast Ramps; Taxiways A and portions of B and C; Terminal Gates A, E, and north D Gates; Transportation Network Company parking lot; a small portion of the Port Maintenance Facility including the Hazardous Materials building, Central Utility Plant, and the SE PDX Cargo; 82nd; Airport Way; and Air Cargo Road. Sub-basin 7B is approximately 3.8 acres and contains a portion of the PDX Maintenance Facility. Sub-basin 7C, is adjacent to Alderwood and contains Sky Chefs

building and parking lot. Sub-basin 7D contains the employee parking lot for the PDX Maintenance Facility.

Sub-basin 7A industrial activities include aircraft support services, aircraft fueling, maintenance, deicing and anti-icing, deicing and anti-icing fluid storage, air cargo/cabin service, limited vehicle parking, lavatory truck use, Port hazardous materials storage facility, and landscape maintenance activities.

> Spill control features include sorbent and hard booms in the vault located east of runway 28L which is downstream of the CUP as well as a sorbent boom at the Sub-basin 7A outfall.

Sub-basin 7B industrial activities include automotive washing, automotive maintenance, and ground-vehicle fueling and maintenance.

> Spill control features include trench drains around the fueling stations associated with the USTs at the Maintenance Facility drain through an oil-water separator equipped with an emergency shut-off valve prior to discharging to the storm drain system. There are sorbent booms at the outfall.

Sub-basin 7C industrial activities include food service airline catering facility.

> Spill control features include sorbent booms at the outfall.

Sub-basin 7D industrials activities include: no industrial activities, employee parking only.

Drainage Basin 8

Drainage Basin 8 contains the Portland International Center, parking lots, car rental companies, Sheraton Inn, Hampton Inn, Embassy Suites Hotel, United Airlines maintenance facility, Port Central Storage facility, and the Tri-Met Light Rail.

Industrial activities include ground service equipment maintenance; landscape maintenance; and automotive fueling, washing, detailing, and parking.

> Spill control features include a sorbent boom at the outfall.

Drainage Basin 9

The majority of Drainage Basin 9 includes commercial and light industrial operations. Land uses include PIC, parking lots, Cascade Station Retail Shopping Center, Tri-Met Light Rail, and warehousing.

Industrial activities included landscaping.

> Spill control features include a sorbent boom at the outfall.

2 PURPOSE AND SCOPE

2.1 Purpose

This SPCC Plan is intended to comply with the regulations of Title 40 Code of Federal Regulations (CFR) Part 112; the sections in this SPCC Plan are cross-referenced to those requirements. The purpose of this SPCC Plan is to establish procedures, methods, equipment, and other measures to prevent, control, and counter the discharge of harmful quantities of oil into or upon the navigable waters of the United States of America or their tributaries.

An SPCC Plan is required by 40 CFR Part 112 for owners or operators of non-transportation-related onshore facilities (as defined in Appendix A to 40 CFR Part 112) engaged in storing, transferring, or consuming oil and oil products; that, because of their location, could reasonably be expected to discharge oil in harmful quantities into or upon navigable waters; and that meet one of the following conditions:

- The aggregate aboveground storage capacity of the facility exceeds 1,320 gallons. Only containers with a capacity of 55 gallons or more are counted.
- Underground oil-storage capacity exceeds 42,000 gallons, unless the underground tanks are subject to all of the technical requirements of 40 CFR 280 or a state program approved under 40 CFR 281.

The SPCC requirements are applicable to the facility because the total aboveground storage capacity is greater than 1,320 gallons.

As defined by 40 CFR Part 112, oil includes all grades of motor oil, hydraulic oil, lube oil, fuel oil, gasoline and diesel, automatic transmission fluid, waste oil, and transformer mineral oil. The definition of oil also includes nonpetroleum oils such as animal and vegetable oils and synthetic oils. Throughout the rest of this document, the term "oil" will mean all substances regulated under 40 CFR Part 112.

2.2 Scope

In addition to satisfying a regulatory requirement, this SPCC Plan is intended to be a working document at the facility, to be used in the following ways:

- As a reference for oil storage and containment system information
- As a tool for informing new employees and refreshing existing employees on practices for preventing and responding to spills
- As a guide to periodic training programs for employees

- As a guide to facility inspections
- As a resource during an emergency response

Port will maintain a complete copy of this SPCC Plan at the facility.

This SPCC Plan is specifically written to cover operations at Port. The facility description and operations related to the SPCC Plan requirements are discussed in Section 4. Implementation of this SPCC Plan will be the responsibility of the Port of Portland's Environmental Operations group.

Port lease agreements required that tenants abide by state and federal regulations. Therefore, tenants must develop an SPCC Plan in accordance with the requirements of 40 CFR 112. An evaluation of spill containment or compliance with the requirements of 40 CFR 112 for tenants is not discussed in this SPCC Plan.

2.3 Conformance to Regulations

Procedures have been developed and equipment configured to generally conform to the requirements of 40 CFR 112.7 and 112.8.

2.4 Compliance Matrix

Conformance to the requirements of 40 CFR 112.7 and 112.8 is addressed in specific sections of this SPCC Plan, as described in the following table.

Citation	Subject	SPCC Plan Section
112.1	General applicability	2
112.3	Requirement to prepare and implement an SPCC Plan	2
112.3(d)	Professional engineer certification	Certification (pg. III),3
112.3(e)	Maintain a copy of the SPCC Plan for on-site review	2.2
112.4(a)	Requirements for a report following a discharge	3
112.5(a),(b),(c)	Reasons to amend, five-year review, and certify the SPCC Plan	3
112.7(a)(1)	Discuss conformance with the requirements	2.2, 2.3
112.7(a)(2)	Equivalent environmental protection	2.5
112.7	Full approval of management	Certification (pg. II)
112.7(a)(3)	Describe physical layout with diagrams	1.2, 1.3, Drawings C-1 through C-8
112.7(a)(3)(i)	Type of oil in each container and product volume stored in each	4.1 through 4.10, Tables 1 and 2
112.7(a)(3)(ii)	Discharge prevention measures (including loading, unloading, and transfers)	5, 8, Appendix E
112.7(a)(3)(iii)	Discharge controls and secondary containment	4.1 through 4.10 and 8.3
112.7(a)(3)(iv)	Countermeasures (including contractors)	9
112.7(a)(3)(v)	Disposal of recovered materials	9.2
112.7(a)(3)(vi)	Contact phone numbers	9.1.1
112.7(a)(4)	Procedures for spill reporting	9.1.2

Citation	Subject	SPCC Plan Section
112.7(b)	Prediction of spill rate, direction, volume for each major type of failure	4.1through 4.10
112.7(c)	Description of secondary containment	4.1through 4.10
112.7(d)	Deviation due to impracticability	2.6
112.7(e)	Inspections	8.3, Appendix G
112.7(f)(1), (3)	Training—content and schedule	7, Appendix F
112.7(f)(2)	Designate person accountable	7.1
112.7(g)	Security—fencing	6.1
112.7(g)	Valves and drains	6.2
112.7(g)	Starter controls	6.3
112.7(g)	Loading connections	6.4
112.7(g)	Lighting	6.5
112.7(h)	Facility tank car and tank truck loading/unloading rack	5.4
112.7(i)	Field-constructed aboveground container maintenance	8.2.6
112.7(j)	Conformance with more stringent applicable state and local regulations	2.7
112.7(k)	Qualified oil-filled operating equipment	2.8
112.8(b)	Facility drainage	1.3
112.8(b)(5)	Discuss when wastewater treatment is continuous	Not applicable
112.8(c)	(1) Bulk storage container compatibility	8.2.2
	(2) Sufficient secondary containment and sufficiently impervious	4.1 through 4.10
	(3) Drainage	8.3, Drawings C-2 through C-8
	(4) Corrosion control / (5) partially buried	Not Applicable
	(6) Tank integrity	8.2.1
	(7) Heating coils	8.2.5
	(8) Tank level alarms	8.2.4
112.8(c)(9)	Observe wastewater treatment plant's effluent frequently to detect system upsets due to oil	8.3
112.8(c)(10)	Visible leaks from containers are promptly corrected/remove oil from containment	8.2.2
112.8(d)	Facility transfers, including buried piping	5

2.5 Environmental Equivalence

This SPCC Plan complies with integrity testing requirements by providing equivalent environmental protection through alternative control measures.

Integrity testing requirements for tanks are met by adhering to an inspection and testing protocol based on the Steel Tank Institute Standard for the Inspection of Aboveground Storage Tanks (SP001 4th edition).

The Port uses bulk storage containers, such as 55-gallon drums at the facility. The contents of these storage containers are used for operations at the Port, and the empty containers are disposed of off-site or returned to the manufacturer. These single-use containers are not maintained on-site for a substantial amount of time or under conditions where deterioration and/or degradation of the container's integrity can occur; therefore, integrity testing is not completed on drums and smaller containers.

2.6 Impracticability

The Port is able to meet the general and specific secondary containment requirements of 40 CFR 112 through active and passive secondary containment measures with the exception of the oil-filled operational equipment as detailed in Section 2.8.

2.7 Conformance with More Stringent Applicable State and Local Regulations

The Port will comply with the State of Oregon's requirement to notify regulators of a spill of any amount of oil to, or that is likely to contact, the waters of the State of Oregon. Spill reporting procedures are outlined in Section 9 of this SPCC Plan.

2.8 Qualified Oil-Filled Equipment

Oil-filled operational equipment including hydraulically operated elevators and electrical equipment (non-polychlorinated biphenyl [PCB] oil-filled transformers) are located at the facility.

The elevator pits will function as secondary containment in the event of a spill from the elevator hydraulic systems.

Installation of secondary containment to prevent a discharge from the Port-owned transformers is not practicable. Instead of providing secondary containment for qualified oil-filled operational equipment, SPCC rules allow an owner or operator to prepare an oil spill contingency plan and a written commitment of manpower, equipment, and materials to quickly control and remove discharged oil. Such a plan must include an inspection or monitoring program for the equipment to detect a failure and/or discharge. An individual impracticability determination for this equipment is not required. Within the three years prior to the SPCC Plan certification date, the Port has not had:

- A single reportable discharge from either transformer exceeding 1,000 gallons, OR
- Two reportable discharges from either transformer exceeding 42 gallons within any 12-month period.

The transformers owned and operated by PacifiCorp are not addressed in this plan; however, the Port is committed to protecting the environment and will notify PacifiCorp of oil spills from the utility-owned transformers and will attempt to contain spills until such time PacifiCorp is able to respond and address the spill.

3 SPCC PLAN REVIEW AND AMENDMENT REQUIREMENTS

This SPCC Plan will be amended whenever there is a change in facility design, construction, operation, or maintenance that materially affects the potential for discharge of oil into or upon the navigable waters of the United States of America. Amendments will be incorporated as soon as practical, but not later than six months after such changes are made.

Additionally, a professional engineer will complete a review and evaluation of this SPCC Plan at least once every five years. Based on this review and evaluation, this SPCC Plan will be amended within six months of the facility change to include more effective prevention and control technology, if appropriate. Any time a facility change, or review and evaluation, requires SPCC Plan technical amendments, this SPCC Plan will be recertified by a professional engineer, consistent with 40 CFR Part 112.3(d) and 112.5(b) and (c).

Each review or amendment to this SPCC Plan will be documented in the review and amendment log provided in Appendix A. Documentation shall include a summary of the review or amendment; the number, date, and plan sections affected by the review or amendment; and the name and signature of the person completing the review or amendment.

Facility information related to this SPCC Plan must be submitted to the U.S. Environmental Protection Agency (USEPA) regional administrator whenever the facility discharges more than 1,000 gallons in a single event, or discharges more than 42 gallons of oil in each of two spill events within a 12-month period.

Such facility information will include, at a minimum:

- Name and address of facility;
- Maximum storage or handling capacity of the facility and normal daily throughput;
- Corrective action and countermeasures taken, including a description of equipment repairs and replacements;
- An adequate description of the facility, including maps, flow diagrams, and topographical maps, as necessary;
- The cause of the discharge that made Section 112.4(a) applicable to the facility, including an analysis of the system or subsystem in which the failure occurred;
- Additional preventive measures taken or contemplated to minimize the possibility of recurrence; and
- Any other information that the regional administrator may reasonably require that is pertinent to this SPCC Plan or the discharge.

4 POTENTIAL SPILL SOURCES AND SPCC FEATURES

Petroleum products storage and/or dispensing activities are discussed in the following sections. Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B.

The referenced tank identification numbers are assigned for internal Port use and may differ from reference numbers assigned by regulatory agencies or other authorities. Tank and drum numbers refer to the identifiers in Tables 1 and 2 and shown on Port of Portland Drawings C-2 through C-8. Secondary containment volumes, materials of construction, leak detection, and other specifics are summarized in Tables 1 and 2.

4.1 Maintenance Facility

The Maintenance Facility is located at 7111 NE Alderwood Way. The facility includes offices, storage buildings, and several maintenance shops. Port-owned vehicles are serviced in the maintenance shop which includes vehicle bays, storage areas, offices, and an oil storage room. The vehicle maintenance shop and the hazardous materials storage building have trench drains at building exits. Liquids entering the drains at both buildings flow to oil-water separators prior to being discharged to the sanitary sewer.

4.1.1 1,250-Gallon Four-Compartment Oil Tank

Tank 357 is a double-walled AST with four compartments (PDX-10, PDX-13, PDX-14, and PDX-15) located in the vehicle maintenance shop oil room. The 1,250-gallon tank holds:

1. Hydraulic oil (250 gallons),
2. Gear oil (250 gallons),
3. Coolant oil (250 gallons), and
4. Motor oil (500 gallons).

4.1.1.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to an instantaneous release of up to 1,250 gallons. This tank is double-walled and located on the concrete floor. A floor drain in the oil room is plugged. Spills that escaped containment would likely remain inside the vehicle maintenance shop. Spills that reach the trench drains at the building exits would flow to oil-water separators and then to the Port sanitary sewer system (Port of Portland Drawing C-8).

Truck drivers, vehicle maintenance employees, and employees performing transfer operations would have opportunity to notice product that might accumulate in the oil storage room, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.1.2 275-Gallon Transmission Fluid Tank

Tank 358 is an AST located in the vehicle maintenance shop oil room. The tank contains automatic transmission fluid and has a working capacity of 275 gallons.

4.1.2.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank. The discharge rate could range from slow leaks to instantaneous release of up to 275 gallons. This tank is located on the concrete floor. A floor drain in the oil room is plugged. Spills would likely remain inside the vehicle maintenance shop oil room. Spills that reach the trench drains at the building exits would flow to oil-water separators and then to the Port sanitary sewer system (Port of Portland Drawing C-8).

Truck drivers and employees performing transfer operations would have opportunity to notice product that might accumulate in the oil storage room, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.1.3 275-Gallon Antifreeze Tank

Tank 12 is an AST located in the vehicle maintenance shop oil room. The tank contains antifreeze and has a working capacity of 275 gallons. This tank is included for identification purposes only.

4.1.3.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank. The discharge rate could range from slow leaks to instantaneous release of up to 275 gallons. This tank is located on the concrete floor. A floor drain in the oil room is plugged. Spills would likely remain inside the vehicle maintenance shop oil room. Spills that reach the trench drains at the building exits would flow to oil-water separators and then to the Port sanitary sewer system (Port of Portland Drawing C-8).

Truck drivers and employees performing transfer operations would have opportunity to notice product that might accumulate in the oil storage room, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.1.4 Vehicle Maintenance Shop Oil Room – Drum Storage

Fifty-five-gallon drums (up to 12 plastic or steel) of various petroleum products or used petroleum are stored in the vehicle maintenance shop oil room.

4.1.4.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or from puncture of a container. The discharge rate could range from slow leaks to 55 gallons per minute. These drums are located on the concrete floor. A floor drain in the oil room is normally plugged and drains to an oil-water separator and the sanitary sewer. Spills would likely remain inside the vehicle maintenance shop oil room. Spills that reach the trench drains at the building exits would flow to oil-water separators and then to the Port sanitary sewer system (Port of Portland Drawing C-8).

The spill prevention systems associated with the vehicle maintenance shop oil room drum storage are included in Table 2.

4.1.5 Hazardous Materials Storage Building – Drum Storage

Fifty-five-gallon drums (up to six plastic or steel) of various petroleum products or used petroleum are stored in the hazardous materials storage building at the northwest corner of the Maintenance Facility.

4.1.5.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or from puncture of a container. The discharge rate could range from slow leaks to 55 gallons per minute. These drums are located on the concrete floor. Spills would likely remain inside the hazardous materials storage building. Spills that reach the trench drains at the building exits would flow to an oil-water separator and then to the sanitary sewer system (Port of Portland Drawing C-8).

The spill prevention systems associated with the hazardous materials storage building drum storage are included in Table 2.

4.1.6 500-Gallon Diesel Tank

Tank 279 is a double-walled AST containing diesel fuel for an emergency standby generator with a working capacity of 500 gallons. The tank is located outside the generator room. The generator also has an ancillary 100-gallon double-walled day tank located in the generator room.

4.1.6.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 500 gallons. This tank is double-walled and located on a concrete pad surrounded by gravel. Spills that escaped the

double-wall containment would flow to the graveled area surrounding the concrete pad. (Port of Portland Drawing C-8).

The ancillary 100-gallon day tank is located inside the generator room on the concrete floor. Spills that escape the double-wall containment would likely remain inside the generator room. Spill that escape the generator room would flow to the gravel area outside the building.

Truck drivers and employees performing transfer operations would have opportunity to notice product leaking or spilling from the 500-gallon tank, and to take appropriate actions. Employees performing transfer operations would have opportunity to notice product leaking or spilling from the 100-gallon day tank that might accumulate in the generator room, and to take appropriate actions.

The spill prevention systems associated with these tanks are included in Table 1.

4.1.7 500-Gallon Used Oil Tank

Tank 273 is a double-walled AST containing used oil with a working capacity of 500 gallons. The tank is located outside the vehicle maintenance shop bays.

4.1.7.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 500 gallons. This tank is double-walled and located on a concrete pad surrounded by asphalt. Spills that escaped the double-wall containment would flow to the asphalt area surrounding the concrete pad. (Port of Portland Drawing C-8).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.1.8 Underground Storage Tanks

The Maintenance Facility also has three USTs used to store fuel for vehicle refueling. These tanks are included for identification purposes only.

The USTs supply fuel to a nearby fueling station located on the northern portion of the Maintenance Facility. The tanks consist of a 6,000-gallon unleaded fuel UST (tank 1), a 6,000-gallon diesel UST (tank 2), and a 10,000-gallon diesel UST (tank 3). 40 CFR 112.1(d)(2)(i) exempts completely buried tanks with a capacity of 42,000 gallons or less of oil and connecting piping from SPCC requirements provided they are subject to the UST requirements of 40 CFR Part 280 or a state program approved under Part 281. The State of Oregon currently implements a UST program (OAR 340-150), which is approved under 40 CFR Part 281.

4.2 Fire Training Facility

The area consists of a burn area, three ASTs, oil-water separator facility, sprinkler system, and control panel. The burn area is lined, back-filled with gravel, contains fuel sprinklers, igniters, a fire suppression water drain and recycling system, and reburn pipe. Located approximately 200 feet west of the burn area are two 2,000-gallon ASTs (tanks 22 and 23) containing jet fuel.

The tanks are housed inside a bermed concrete containment area of adequate size. Underground piping is reportedly steel with cathodic protection. Live fire training is currently conducted primarily using propane as a fuel source, and jet fuel is only used occasionally.

During fire-training exercises using jet fuel, the burn area is partially filled with water, then fuel from an AST is pumped into the contained burn area and ignited. Once the fire is extinguished, residual fuel and water are pumped to an oil-water separator where the fuel is skimmed off the top of the water. The separator water flows to one of two adjacent storage tanks. The water from the tanks is recycled back into the Training Facility, from the training facility the cycle repeats. A tank located within a containment berm adjacent to the oil-water separator (tank 24) is not currently in service (physically disconnected).

Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B.

4.2.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of a tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 2,000 gallons. The tanks are double-walled and located within a bermed area. Spills that escaped the double-wall containment would remain in the bermed area. (Port of Portland Drawing C-3).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with these tanks are included in Table 1.

4.3 Fire Department

The Fire Department has one 2,000-gallon diesel AST (tank 272) on the west side of the building. This tank provides fuel for emergency vehicles and a nearby emergency generator. An oil-water separator is connected to the storm drain near the fueling area.

Specific compliance requirements for this tank are described in Tank/Area Data Sheets included in Appendix B.

4.3.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 2,000 gallons. The tank is double-walled and located on a concrete pad. Spills that escaped the double-wall containment would likely flow to the asphalt area east of the tank or the grassy area north of the tank. Spills could also impact the storm system through the catch basin located 10 feet to the east. The catch basin is connected to an oil-water separator. (Port of Portland Drawing C-3).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.4 Central Utility Plant

Specific areas at the CUP covered by this SPCC Plan include the following:

- Generator tanks 282, 283, 284, and 285 are 150 gallons each and serve as day tanks to emergency generators located in the generator room.
- Transformer tanks 551 and 552 are 196 gallons each.

Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B. Oil-filled electrical equipment at the CUP (i.e., transformers) is discussed below in Section 4.9.

The CUP also has two USTs used to store fuel for boilers and emergency generators. The tanks consist of two 30,000-gallon USTs (tanks 18 and 19, located on the north side of the CUP) containing diesel fuel. The 30,000-gallon tanks are used to feed the main plant boilers and supply the four generator day tanks. These tanks are included for identification purposes only and are not regulated by SPCC requirements, as previously discussed.

4.4.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of a generator tank or piping. The discharge rate could range from slow leaks to an instantaneous release of up to 150 gallons. The tanks are double-walled and located on the concrete floor. Spills that escaped containment would likely remain inside the generator room (Port of Portland Drawing C-5).

Employees performing transfer operations would have opportunity to notice product that might accumulate in the generator room, and to take appropriate actions.

The spill prevention systems associated with the generator tanks are included in Table 1.

The potential spill scenario from transformers is included in Section 4.9.

4.5 Deicing Treatment Plant

Tank 389 is a 980-gallon diesel AST located on the east side of the building. This tank provides fuel for the associated emergency generator to maintain operation of the treatment facility in the event of a power outage.

Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B.

4.5.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 980 gallons. The tank is double-walled and located on a concrete pad. Spills that escaped the double-wall containment would likely flow to the asphalt area west of the tank or the grassy area north and east of the tank. (Port of Portland Drawing C-2).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.6 Toll Exit Plaza

Tank 554 is a 215-gallon diesel AST located on the east side of the building. This tank provides fuel for the associated emergency generator to maintain operation of the toll exit plaza in the event of a power outage.

Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B.

4.6.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 215 gallons. The tank is double-walled and located on a concrete pad. Spills that escaped the double-wall containment would remain on the concrete surrounding the tank. (Port of Portland Drawing C-6).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.7 Main Terminal Equipment

Aside from the oil-filled electrical equipment located in the vicinity of the Main Terminal building (discussed in Section 2.8), oil storage around the Main Terminal includes a backup generator located on the north side of Concourse C. The generator includes one 500-gallon diesel storage tank (tank 384). This tank provides fuel for the associated emergency generator to maintain operation of Concourse C in the event of a power outage.

Specific compliance requirements for these oil-containing facilities are described in Tank/Area Data Sheets included in Appendix B.

4.7.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of the tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 500 gallons. The tank is double-walled and located on a concrete pad. Spills that escaped the double-wall containment would remain on the concrete surrounding the tank. (Port of Portland Drawing C-4).

Truck drivers and employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with this tank are included in Table 1.

4.8 Mobile Tanks

PDX operates one mobile tank (mounted on a truck) and one mobile fuel polishing system (mounted on a trailer). The truck identification number is 16232 and the polishing system is identified as tank 390. The truck houses a mobile fueling tank with capacities of 100 gallons. The fuel polishing trailer has a normal storage capacity of 110 gallons (greater while in use). These mobile units are stored in the equipment storage building. Drains in the equipment storage building are connected to a vault and containment storage tank.

4.8.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of a tank or piping. The discharge rate could range from slow leaks to instantaneous release of up to 110 gallons. Active secondary containment methods are employed during fueling operations.

Employees performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with these tanks are included in Table 1.

4.9 Transformers

Electrical transformers are located at various sites across the facility (Port of Portland Drawings C-4 through C-6). Transformers are not considered bulk storage containers; however, oil-filled equipment is required to have appropriate general containment and/or diversionary structures to prevent released oil from reaching navigable waterways.

Each transformer contains oil used for heat transfer and electrical insulation. The oil is sealed in each transformer and is not drained or added to on a routine basis.

Transformers provide critical power to the Port. If a transformer fails, including catastrophic loss of oil, Port personnel would become aware within a short time because loss of power would be evident or in some cases, an alarm would sound. In addition to periodic inspections, Port personnel regularly traverse the facility and observe oil-filled equipment.

Eight of the terminal transformers (T2B, T3B, TDA, TDB, TCA, TCB, P1-A, and P1) are fully enclosed within facility buildings, have adequate containment provided by the building, and tertiary containment structures or absorbent booms within the building to prevent a release of oil from exiting the building and potentially reaching surface water. Interior-located oil-filled equipment are also in areas that are frequently viewed by maintenance personnel and spills would be addressed quickly.

Secondary containment for the transformers located outside of buildings is not feasible because of the potential for electrical malfunction caused by water pooling inside a containment structure.

The oil spill contingency plan covering this equipment is addressed by the Port Spill Response Procedures Plan included in Appendix D and a commitment of manpower, equipment, and materials required to expeditiously control and remove quantities of oil discharged that may be harmful has been attested by the signatory of this SPCC Plan.

4.9.1 Potential Spill Scenario (40 CFR Part 112.7(b))

The most likely scenario for a spill from an electrical transformer would be a slow leak. Slow leaks are minimized through periodic inspections (Section 4.9.2) and preventive maintenance procedures. Much less likely would be a transformer overheating and exploding, rupturing the shell. An explosion or other catastrophic failure and the resulting loss of power would signal an emergency condition for Port personnel, and spill response measures would be implemented.

To minimize the risk of a catastrophic failure leading to a release of oil, the circuitry is protected by circuit breakers and fuses, which help protect the transformer by reacting to interrupted power.

In the event of over-pressurization and blowout, a small amount of oil would be released to the atmosphere, concrete pad, and/or the surrounding gravel or paved surfaces. Loss of power would immediately alert Port personnel, who would initiate active secondary containment procedures. Spill kits can be found near each transformer location with equipment to contain material and/or block off the nearest catch basin(s) to prevent oil from entering the stormwater system. Port personnel would

immediately initiate measures to clean up potential oil contamination, coordinate repairs to the transformer, and fulfill notification requirements contained in Section 9.

The spill prevention systems associated with the transformers are included in Table 1.

4.9.2 Periodic Inspections

Port-owned transformers are inspected by Port personnel for signs of leaks or deterioration. Port maintenance personnel are available 24 hours-per-day, seven days-per-week.

4.10 Elevators

Elevator Equipment – A total of 24 hydraulically operated elevators are distributed across the main airport terminal and the concourses, including one at outlying air cargo building 8855. The elevators are used in both public spaces and controlled areas (for the movement of both people and freight) and are summarized in Table 1.

4.10.1 Potential Spill Scenario (40 CFR Part 112.7(b))

The most likely scenario for a spill from an elevator would be a slow leak. Slow leaks are minimized through periodic inspections (Section 4.9.2) and preventive maintenance procedures performed by a contractor.

In the event of a spill or leak, the elevator pit would act as secondary containment. If an elevator ceases operation, Port personnel and the contractor would be notified immediately. Port personnel would immediately initiate measures to clean up potential oil spills, coordinate repairs to the elevator, and fulfill notification requirements contained in Section 9.

The spill prevention systems associated with the elevators are included in Table 1.

4.11 Food Service Tanks

PDX has a Fats, Oil, Grease (FOG) system to manage oils produced by restaurants in the terminal food court and concourses. Fry grease produced by restaurant tenants is temporarily transported via heat traced pipes to aboveground double-walled liquid grease tanks (maximum capacity of 353 gallons) where it is stored before being pumped out and transported for recycling by Terra Hydr. The aboveground grease tanks are located on pedestals outside of the terminal building either under cover or have double-walled containment near the restaurants. There are seven underground interceptor tanks that collect FOG from concessions that do not produce fry oil (i.e., coffee shops). The underground interceptor tanks are owned and maintained by the Port and cleaned out regularly by Terra Hydr. The underground interceptor tanks are used for the pretreatment of wastewater and eligible for the wastewater treatment exemption (40 CFR 112.1(d)(6)); however, unloading and transfer of FOG out of the tanks is subject to the general containment requirements in 40 CFR 112.7(c). Terra Hydr employs active secondary containment measures when unloading FOG from the

interceptor tanks. There are multiple grease tanks indoors owned and maintained by tenants. The Port also maintains a communal grease/oil collection vat located adjacent to the main terminal food court.

Several restaurants make use of the 250-gallon communal vat tank, manually loaded through a hatch in the tank lid. The communal vat tank is maintained in a loading dock that is under cover and has a drain connected to the sanitary sewer with no egress for spill liquids to the storm drain system. The contents of the vat are manually removed on a service schedule, or otherwise as needed, by a trained operator and transported off-site for recycling.

Specific compliance requirements for these oil-containing facilities are described in the Tank/Area Data Sheets included in Appendix B.

4.11.1 Potential Spill Scenario (40 CFR Part 112.7(b))

A spill could possibly occur during transfer operations or a leak from or puncture of an AST or piping. The discharge rate could range from slow leaks to instantaneous release of up to 353 gallons. The tanks are located under cover on a concrete pad or have double-walled containment. Spills would remain on the concrete surrounding the tank or within the secondary containment. (Port of Portland Drawing C-4).

Employees, tenants, and contractors performing transfer operations would have opportunity to notice leaks or spills, and to take appropriate actions.

The spill prevention systems associated with these tanks are included in Table 1.

5 TRANSFER OPERATIONS

Section 40 CFR, Part 112.7(a)(3)(ii), requires a description of all transfer stations and connecting pipes.

The following bulk fuel or oil loading/unloading areas involving tank/tank truck transfers were identified as part of this SPCC Plan preparation:

- Unloading of the 500-gallon used oil AST at the Maintenance Facility (tank 273)
- Loading of the 500-gallon diesel fuel AST at the Maintenance Facility (tank 279)
- Loading of the Maintenance Facility oil room tanks (tanks 357, 358, and 12)
- Loading of the 2,000-gallon jet fuel tank at the Fire Training Facility (tank 22)
- Loading of the 2,000-gallon diesel fuel tank at the PDX Fire Department (tank 272)
- Transferring of fuel between generator tanks and the fuel polishing system (tank 390)

Other transfer operations occur at USTs located at the Maintenance Facility and CUP. However, the revised SPCC rules exempt USTs from the SPCC program as they are regulated under a state program, in this case, OAR 340-150, which includes spill prevention requirements for transfer operations.

Procedures for tank loading and unloading, and vehicle refueling activities are included in Appendix E.

5.1 Underground Piping

Underground piping used for the transfer of oil at the facility is associated with the USTs. SPCC rules exempt USTs, connected underground piping, underground ancillary equipment, and containment systems from the SPCC program as they are regulated under the State of Oregon UST program (OAR 340-150).

5.2 Aboveground Piping

The 500-gallon diesel tank located at the Maintenance Facility is connected to the emergency generator engine and associated 100-gallon day tank via a short run of aboveground piping. The piping is inspected monthly.

Uncontrolled releases from this piping could flow to the gravel area outside the emergency generator room. Spill response would be initiated during the monthly inspection or sooner, upon discovery.

The vehicle maintenance shop pipes used oil from inside the shop to the 500-gallon used oil tank located outside of the shop.

An uncontrolled release could flow to an adjacent stormwater catch basin. This area is monitored multiple times per day by maintenance staff, and a spill would be controlled and cleaned up. There is a spill kit kept next to the used oil tank.

5.3 Vehicular Traffic

ASTs and related structures located in regular traffic areas are protected from potential vehicle contact with bollards or other barriers.

5.4 Tank Truck Containment and Warning

The USEPA's December 2008 amendments defined a loading/unloading rack as a:

> *"fixed structure (such as a platform, gangway) necessary for loading or unloading a tank truck or tank car, which is located at a facility subject to the requirements of this part. A loading/unloading rack includes a loading or unloading arm and may include any combination of the following: piping assemblages, valves, pumps, shut-off devices, overfill sensors, or personnel safety devices."*

The USEPA clarified that the provisions of 40 CFR 112.7(h) apply only in instances where a rack structure is present. Consistent with these clarifications of the rule, the facility has no tank car or tank truck loading/unloading racks.

6 SECURITY

Area-specific security measures are identified in the Tank/Area Data Sheets included in Appendix B.

6.1 Fencing (40 CFR, Part 112.7(g))

The Port facilities are fully fenced, and areas where tanks and oil-filled equipment are located are security controlled.

6.2 Aboveground Valves and Piping (40 CFR 112.7(g))

Aboveground valves and piping are inspected monthly for signs of leaks or damage to the pipes, supports, and dispensers. These inspections are documented on an SPCC inspection form. Tank flow valves and drain valves that could permit direct outward flow of tank contents to the surface are securely locked in the closed position when in non-operating or non-standby status.

6.3 Starter Controls (40 CFR, Part 112.7(g))

Starter controls for oil pumps are located in a secure area or locked in the "off" position when not in use. A personal identification number is required to turn on the pumps for the oil tanks at the vehicle maintenance shop.

6.4 Loading and Unloading Connections (40 CFR, Part 112.7(g))

Use of container loading and unloading connections is limited to personnel familiar with them and with the procedures discussed in Appendix E. When not in use, the loading and unloading connections are capped and/or locked out. These connections are inspected before use for the general condition of joints, supports, valves, and metal surfaces.

6.5 Facility Lighting (40 CFR, Part 112.7(g))

Sufficient lighting and security are provided throughout the facility to allow for spill detection and the prevention and discovery of vandalism. There is adequate lighting for the detection of spills by both facility personnel and the general public.

7 PERSONNEL TRAINING

7.1 Personnel Training (40 CFR, Part 112.7(f)(1))

The Port's Senior Water Quality Specialist, Danelle Peterson, is accountable for discharge prevention, and reports directly to management. Danelle Peterson is responsible for ensuring that SPCC related training is conducted for personnel involved in handling petroleum products. This training is included with new-employee orientation and at least annually as part of the facility safety training program.

Training is required for oil handling employees. These personnel at the facility will be trained in:

- The laws and regulations regarding spills, releases, and pollution control.
- The contents of the SPCC Plan.
- The operation and maintenance of equipment to prevent discharges.
- General facility operations.
- Known discharges or failures and malfunctioning components.
- Recently developed precautionary measures.

Spill prevention and response training will be conducted at least annually. Informal briefings will be held periodically through the year to update employees on changes in the regulations, laws, or in-house procedures. Training records will be maintained for a minimum of three years.

7.1.1 Documentation for Training

The Port maintains training records electronically.

An example training log is included in Appendix F.

8 DISCHARGE PREVENTION PROCEDURES

8.1 SPCC Features and Operating Procedures (40 CFR 112.7(a)(3) and 112.8)

Port employees are trained to implement spill prevention practices for work with and around oil sources. Port personnel shall use common sense and rely on spill prevention practices at all times to minimize the potential for a release of oil.

For example, the following "common sense" practices are recommended:

- Keep container lids securely fastened at all times.
- Do not leave portable sources unattended (outside).
- Return portable sources to their storage locations after use.
- Use pads, drip pans, and funnels when transferring petroleum products from a portable container.
- Protect oil sources from damage from moving equipment.
- Keep secondary containment valves closed at all times except when discharging clean stormwater.
- Water in the secondary containment areas that shows a light sheen shall be discharged through an oil-water separator. Heavier accumulations will be removed and disposed of by a qualified waste contractor.
- Do not store oil sources near catch basins or floor drains.
    - Loading and unloading of petroleum products shall be attended at all times.

Spill prevention during oil deliveries (offloading) is the primary responsibility of the supplier until the product is safely in the tank or vessel.

8.2 Tests and Inspections (40 CFR 112.7(e) and 112.8(c)(6))

The personnel at the facility shall perform or coordinate the testing, inspection, and maintenance of petroleum equipment to keep it performing in an efficient and environmentally sound manner. The tests and inspections shall be conducted as discussed in the following subsections.

8.2.1 Inspecting and Testing Bulk Storage Containers

The facility includes shop-built ASTs and portable containers which pose a minimal risk of internal corrosion and are not in contact with soil. As such, the Port will perform monthly visual inspections in lieu of integrity testing per the Steel Tank Institutes SP001 Standard for Inspection of Aboveground Storage Tanks, Third Edition Issued July 2005. Pursuant to the SP001 Standard, the tanks and containers at the facility are classified Category 1 ASTs or portable containers and qualify for periodic owner performed inspections. The SP001 inspection checklist items and frequency are summarized below:

Monthly Inspection Checklist Items:

- Tank Containment
- Leak Detection
- Tank Attachments and Appurtenances

Other Conditions Annual Inspection Checklist Items:

- Tank Containment
- Tank Foundation and Supports
- Cathodic Protection
- Tank External Coating
- Tank Shell/Heads
- Tank Manways, Piping, and Equipment
- Tank Roof
- Insulated Tanks
- Level and Overfill Prevention

Electrical Equipment Portable Container Monthly Checklist Items:

- Containment/Storage Area
- Leak Detection
- Container

Per 40 CFR Part 112.2, oil-filled electrical, operating, or manufacturing equipment is not considered bulk storage containment; therefore, this type of equipment is not covered by the requirement to perform integrity testing.

Inspection reports are kept for at least three years.

8.2.2 Bulk Storage Container Maintenance

Storage containers are compatible with their contents and with conditions of storage such as temperature and pressure.

8.2.3 Secondary Containment of Stormwater

Records are kept when stormwater is drained from secondary containment facilities. The secondary containment inspection and discharge forms found in Appendix G are used to document these removal events. The following are documented:

- Visual verification that rainwater is free of an oil sheen
- Date, estimated volumes, and responsible personnel
- Documentation of actions taken if oil is detected in stormwater

Contaminated water in the other secondary containment areas, shall be removed and disposed of by a qualified and licensed contractor.

8.2.4 Tank-Level Alarms

Mechanical and electronic systems designed to measure liquid levels and to ensure that containers are not overfilled, are not necessary at the facility because personnel are present during container filling.

The containers are monitored regularly by facility personnel to detect spills or leaks.

8.2.5 Monitoring Leakage in Internal Heating Coils

The Port has no internal heating coils in oil-filled tanks.

8.2.6 Field-Constructed Aboveground Container Maintenance (112.7(i))

There are no field-constructed, aboveground containers holding oil at the facility.

8.3 Effluent Treatment Facilities (40 CFR 112.8(c)(9))

Visual inspections of the wastewater treatment system are conducted in accordance with wastewater discharge permit 400.131. These inspections are conducted to detect possible system upsets that could cause an oil discharge as described in 40 CFR 112.1(b).

9 SPILL RESPONSE (40 CFR 112.7(A)(3)(IV) AND 112.7(C))

In the event of a spill or release, the Port will initiate actions to minimize the impact and the possibility of recurrence of the event. The PDX Spill Response Procedures are included as Appendix D. These actions may include, but are not limited to, the following:

- Initial response procedures will entail controlling, containing, and recovering the spill to the fullest extent of the Port personnel's capabilities, using available spill equipment stored on facility property. If a spill exceeds facility capabilities, the emergency spill contractor, retained by the Port on a full-time basis, will be contacted immediately. At a minimum, the following procedures will be used during the response:
    1. Activate emergency response procedures for emergency spills, see Appendix D for definitions and procedures.

2. Wear personal protective equipment such as safety glasses, gloves, and protective clothing.
3. Avoid contact with liquids or fumes.
4. Control and limit access to the immediate spill area (including access by any customers on-site).
5. Identify the source of the release and, if safe to do so, stop the release at the source.
6. Attempt to keep the release from any waterways or stormwater conveyance systems (catch basins, etc.).
7. Use the spill response equipment stored on-site to control or contain the spill if possible.
8. Dispose of contaminated cleanup materials in accordance with regulations.

- Emergency spills are reported to the PDX Communication Center (Comm Center) 503-460-4000. The Comm Center dispatches the on-call environmental responder and any other necessary emergency responders. See Appendix D for the Comm Center's emergency spill response procedures.
- A spill report will be completed in Veoci and the Oregon Emergency Response System and the National Response Center will be notified within 24 hours of discovery of the spill or release (see Section 9.1.2).
- An internal review meeting will be conducted to discuss the origin of the spill or release; response and cleanup actions taken; adverse impacts, if any, to human health and the environment; and an evaluation of the effectiveness of this SPCC Plan. In addition, recommendations for modifying existing work practices, employee training, spill response and cleanup actions, or this SPCC Plan will be evaluated.

Based on information generated from the above actions, the Port will implement those modifications that are deemed reasonable and appropriate for minimizing the risk of a similar event. In some cases, especially where outside notification to local emergency spill response units or a regulatory agency was made or required, the Port may request that the local emergency response unit and regulatory agency assist with evaluating the response activities and that they provide recommendations to the Port for appropriate modifications to facility operations, training, or spill plans.

9.1 Tenants will follow the spill response, cleanup, and reporting procedures provided in the PDX Spill Response Procedures (Appendix D). Notification and Reporting (40 CFR 112.4(a) and 112.7(a)(4))

9.1.1 On-Site Notification and Reporting

The following people are appropriate contacts in the event of a spill. The Port's on-call environmental spill responder is responsible for communicating with appropriate regulatory agencies.

EMERGENCY CONTACTS	PHONE
PDX Comm Center Emergency Line Primary Facility Response Coordinator	503-460-4000
PDX Comm Center Non-Emergency Line Alternate Facility Response Coordinator	503-460-4747
Danelle Peterson Environmental Spill Responder	503-201-5099
Stan Jones Alternate Environmental Spill Responder	503-807-6585

9.1.2 Notification of Regulatory Authorities

Spills must be immediately reported to the Comm Center or the designee as listed in the previous section so that notification of authorities (if necessary) can be initiated. Regulators will be informed following the guidelines provided below.

- Oil spills of any amount to, or that are likely to contact, waters of the state (including coastal waters, lakes, rivers, groundwater [e.g., wells, drain fields, and sewers] and stormwater) must be reported immediately (within **one hour)** to the **Oregon Emergency Response System (OERS) at 1-800-452-0311,** and the **National Response Center, 1-800-424-8802**.
- Oil spills of more than 42 gallons to land that are not likely to contact waters of the state must be reported to the OERS at **1-800-452-0311** within **one hour**. Land includes: soil, gravel, and concrete or asphalt pads, but not secondary containment or spills to the indoors that do not have the potential to reach waters of the state (no drains or other release points).
- Release of hazardous materials equal to, or greater than, the quantity listed in 40 CFR Part 302 (List of Hazardous Substances and Reportable Quantities) requires immediate notification of the National Response Center at **1-800-424-8802**, and of the OERS by calling **1-800-452-0311**.
- Any time there is a danger to life, health, or the environment, contact the local public emergency services at **503-460-4000**.
- Spills of any amount that threaten public health or safety must be immediately reported to local emergency responders by calling **503-460-4000.**

It is not necessary to report spills to secondary containment or indoors with no potential for release to the environment (i.e., no floor drains).

The time, date, and details of any emergency incident will be documented on a Spill Notification Form (Appendix C).

9.2 Spill Response Equipment and Waste Disposal (112.7(a)(3)(v))

Spill response kits kept on-site shall also be checked during inspections (Appendix G) and restocked as necessary. Spill response equipment will be sited at secure locations for access by Port personnel and emergency spill response contractors. The Port will also maintain a Spill Response Mobile Unit located at the Maintenance Facility.

These spill kits are equipped with a variety of materials and may include any of the following materials:

- Absorbent pads (one bundle)
- Absorbent booms (one bale)
- Granular absorbent
- Absorbent "pigs"

The kits may include these additional items as needed:

- Safety goggles and gloves
- Drum or other container to hold contents of spill kit
- Drums, bags and ties, or other containers to hold contaminated materials
- Barricades, barrier tape, and/or traffic cones
- Non-sparking shovels
- Brooms
- Drain seals/plugs/mats

Wastes resulting from a spill response will be containerized, characterized for disposal, and removed from the site by a licensed waste hauler. Spill cleanup materials and debris from spill for which the Port is not responsible must be collected, stored, characterized, and disposed of by the Responsible Party.

Tenants, airlines, construction contractors, and service providers are responsible for securing and maintaining the appropriate equipment for responding to and cleaning up spills they cause.

10 SUBSTANTIAL HARM CRITERIA CHECKLIST

Appendix H contains the checklist required under 40 CFR 112.20(e), documenting that a facility response plan is not required at this facility.

LIMITATIONS

The services undertaken in completing this document were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This document is solely for the use and information of our client unless otherwise noted. Any reliance on this document by a third party is at such party's sole risk.

Opinions and recommendations contained in this document apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this document.

TABLES

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

40 CFR 112.7(a)(3)(i) - Oil Storage Containers and Capacities															
Tank Number	Tank Location	Tank Volume (gallons)	Contents	Tank Material of Construction	Compatible with Stored Material	Secondary Containment			Tank Spill Prevention			Loading and Unloading			
						Volume (gallons)	Materials of Construction	Covered	Leak Detection	Level Gauge	Overfill Protection	Dispenser		Transfer Pump	
												Type	Drip Catcher	Lockable Controls	
Transformers															
PDX-0505	Pump Station PS-A	232	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0506	Pump Station PS-L	202	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0507	Employee Lot	175	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0508	CUP Courtyard	544	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0509	CUP Courtyard	1,045	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0510	CUP Courtyard	753	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0511	CUP Courtyard	544	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0551	West of CUP Courtyard	196	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0552	West of CUP Courtyard	196	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0512	QTA, NW corner near pump house	215	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0553	QTA, S corner	683	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0517	Terminal North bag tunnel rm. T1344B	204	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	
PDX-0518	Terminal North bag tunnel rm. T1344B	204	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A	

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

						Secondary Containment			Tank Spill Prevention			Loading and Unloading		
PDX-0514	Concourse E, at gate E-1 rm. T1550A	188	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0515	Concourse E, East of gate E-1 rm. E1000	290	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0516	Concourse E, East of gate E-1 rm. E1000	290	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0513	Concourse D, at gate D-9 rm. D1620	306	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0519	Concourse C, West at gate C-15 rm. C1080	481	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0520	Concourse C, West at gate C-15 rm. C1080	481	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0521	Parking structure 1st floor SW corner rm. P1205A	550	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
PDX-0522	Parking structure 1st floor SW corner rm. P1205B	275	Mineral Oil	Steel	Yes	Active Secondary Containment	N/A	No	No	No	Direct Vision and Immediate Response	N/A	N/A	N/A
Elevators														
PDX-0523	A Concourse	171	Hydraulic Oil	Steel	Yes	171	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0524	B Concourse	100	Hydraulic Oil	Steel	Yes	100	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0525	C Concourse	165	Hydraulic Oil	Steel	Yes	165	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0526	C Concourse Freight Elevator	171	Hydraulic Oil	Steel	Yes	171	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0527	C Concourse Freight Elevator	180	Hydraulic Oil	Steel	Yes	180	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0528	C Concourse	100	Hydraulic Oil	Steel	Yes	100	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0529	D Concourse	180	Hydraulic Oil	Steel	Yes	180	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

						Secondary Containment			Tank Spill Prevention			Loading and Unloading		
PDX-0530	D Concourse Freight Elevator	265	Hydraulic Oil	Steel	Yes	265	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0531	D Concourse	160	Hydraulic Oil	Steel	Yes	160	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0532	D Concourse	90	Hydraulic Oil	Steel	Yes	90	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0533	D Concourse	100	Hydraulic Oil	Steel	Yes	100	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0534	D Concourse	90	Hydraulic Oil	Steel	Yes	90	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0535	E Concourse	80	Hydraulic Oil	Steel	Yes	80	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0536	E Concourse	100	Hydraulic Oil	Steel	Yes	100	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0537	North Terminal	110	Hydraulic Oil	Steel	Yes	110	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0538	North Terminal	110	Hydraulic Oil	Steel	Yes	110	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0539	North Terminal	110	Hydraulic Oil	Steel	Yes	110	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0540	South Terminal	110	Hydraulic Oil	Steel	Yes	110	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0541	South Terminal	165	Hydraulic Oil	Steel	Yes	165	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0542	Terminal Freight Elevator	330	Hydraulic Oil	Steel	Yes	330	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0543	A/B/C Checkpoint	220	Hydraulic Oil	Steel	Yes	220	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0544	Main Terminal	115	Hydraulic Oil	Steel	Yes	115	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

						Secondary Containment			Tank Spill Prevention			Loading and Unloading		
PDX-0545	Light Rail	165	Hydraulic Oil	Steel	Yes	165	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0546	8855 NE Air Cargo Way	100	Hydraulic Oil	Steel	Yes	100	Concrete (Elevator Pit)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
Central Utility Plant														
PDX-0282	Inside CUP generator room	150	Diesel	Steel (Double-walled)	Yes	150	Steel/Building	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0283	Inside CUP generator room	150	Diesel	Steel (Double-walled)	Yes	150	Steel/Building	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0284	Inside CUP generator room	150	Diesel	Steel (Double-walled)	Yes	150	Steel/Building	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0285	Inside CUP generator room	150	Diesel	Steel (Double-walled)	Yes	150	Steel/Building	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
Toll Exit Plaza														
PDX-0554	Outside Toll Exit Plaza	215	Diesel	Steel (Double-walled)	Yes	150	Steel/Building	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
Concourse Food Service - Fats, Oils, Grease														
PDX-0481	Adjacent to Main Terminal	250	Grease	Steel	Yes	250	Concrete (Sloped Loading Dock)	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0482	Between Concourses C and D	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0483	Concourse D	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0484	Concourse D	353	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0485	Concourse E	353	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0486	Between Concourses C and D	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0487	Between Concourses C and D	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

						Secondary Containment			Tank Spill Prevention			Loading and Unloading		
PDX-0490	Concourse C	353	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0491	Concourse C	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0492	Concourse C	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0493	Concourse A	353	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0498	Concourse D	317	Grease	Steel	Yes	Active Secondary Containment	N/A	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0555	UST - Between Concourses C and D	950	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	Contractor
PDX-0556	UST - Concourse D	5,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
PDX-0557	UST - Concourse E	5,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
PDX-0558	UST - Between Concourses C and D	4,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
PDX-0559	UST - Concourse C	5,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
PDX-0560	UST - Concourse C	4,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
PDX-0561	UST - Concourse C	4,000	Grease	Steel	Yes	Active Secondary Containment	N/A	N/A	N/A - Grease interceptor part of sanitary sewer treatment. Spill prevention measures deployed during unloading operations.			N/A	N/A	No
Terminal														
PDX-0384	Outside of Concourse C	500	Diesel	Steel (Double-walled)	Yes	275	Steel	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
Deicing Facility														
PDX-0389	Outside of deicing building to the east	980	Diesel	Steel (Double-walled)	Yes	980	Steel	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
Maintenance Facility														

Table 1
Tanks - Spill-Prevention Features
Port of Portland
Portland, Oregon

						Secondary Containment			Tank Spill Prevention			Loading and Unloading		
PDX-0357	Vehicle Maintenance Shop Oil Room (Four Compartments)	250	Hydraulic Oil	Steel (Double-walled)	Yes	1,250	Steel/Building	Yes	No	No	Direct Vision and Immediate Response	Hand Held	No	Yes
		250	Gear Oil									Hand Held	No	Yes
		250	Coolant Oil									Hand Held	No	Yes
		500	Motor Oil									Hand Held	No	Yes
PDX-0358	Vehicle Maintenance Shop Oil Room	275	Automatic Transmission Fluid	Steel	Yes	275	Building	Yes	No	No	Direct Vision and Immediate Response	Hand Held	No	Yes
PDX-0012	Vehicle Maintenance Shop Oil Room	275	Antifreeze	Steel	Yes	275	Building	Yes	No	No	Direct Vision and Immediate Response	Hand Held	No	Yes
PDX-0279	Outside Emergency Standby Generator Building	500	Diesel	Steel (Double-walled)	Yes	500	Steel	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0417	Inside Generator Room	100	Diesel	Steel (Double-walled)	Yes	100	Steel	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0273	Outside Maintenance Shop Bays	500	Used Oil	Steel (Double-walled)	Yes	500	Steel	Yes	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0390	Vehicle Storage - Fuel Polishing System	110	Diesel	Steel	Yes	Active Secondary Containment	N/A	N/A	No	No	Direct Vision and Immediate Response	Hand Held	No	Yes
Mobile Fueling														
PDX-0512	Mobile Fueling Tank	100	Diesel	Steel	Yes	Active Secondary Containment	N/A	N/A	No	No	Direct Vision and Immediate Response	Hand Held	No	Yes
Fire Department - Aircraft Rescue Fire Fighting (ARFF)														
PDX-0272	Fire Department building - 55 feet west	2,000	Diesel	Steel (Double-walled)	Yes	2,000	Steel	No	No	No	Yes	Hand Held	No	Yes
Fire Training Facility														
PDX-0022	Burn area - 200 feet west	2,000	Jet A Fuel	Steel	Yes	2,000	Concrete	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0023	Burn area - 200 feet west	2,000	Jet A Fuel	Steel	Yes	2,000	Concrete	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No
PDX-0024	Burn area - 200 feet west	400	Jet A Fuel	Steel	Yes	400	Concrete	No	No	No	Direct Vision and Immediate Response	N/A	N/A	No

NOTES:
CUP = Central Utility Plant.
N/A = Not applicable.
QTA = Quick Turn Around Area.
1. Building 3605 and associated 2,000-gallon diesel tank are owned and operated by the Federation Aviation Administration (FAA).
2. PDX-0352 is a tenant owned tank and not included in the table.
3. PDX-0320 and PDX-0447 are reclaimed water tanks, not oil storage tanks, so not included in the table.

Table 2
Drum and Tote Spill-Prevention Features
Port of Portland
Portland, Oregon

Drum/Tote Storage Container Details						Spill Prevention		
Location	**Contents**	**Volume (gallons)**	**Number of Drums/Totes**	**Material**	**Compatible with Material Stored**	**Type**	**Containment (gallons)**	**Covered**
Maintenance Facility								
Vehicle Maintenance Shop Oil Room and Vehicle Bays	Various Petroleum or Used Oil	55	Up to 12	Plastic or Steel	Yes	Active Secondary Containment; Oil/Water Separator, Sanitary Sewer	>660	Yes
Hazardous Materials Storage Building	Various Petroleum or Used Oil	55	Up to 6	Plastic or Steel	Yes		>330	Yes

NOTES:

< = less than.

> = greater than.

DRAWINGS

C-2

C-3

C-4

C-5

C-6

C-7

C-8

0 500 1,000 2,000 3,000 4,000 Feet

- ABOVE GROUND STORAGE TANK
- UNDER GROUND STORAGE TANK
- MOBILE STORAGE TANK
- ELEVATOR TANK
- TRANSFORMER TANK
- INACTIVE TRANSFORMER TANK

- 3 STORM BASIN NUMBER
- STORM BASIN BOUNDARY
- STORM WATER PERMIT BOUNDARY
- PORT PROPERTY BOUNDARY
- SPILL KIT
- PS-X PUMPSTATION & PUMP STATION ID

- WETLAND
- VEGETATED SWALE
- STORM WATER QUIESCENT/DETENTION POND
- IMPERVIOUS P.O.P. AIRPORT SURFACE
- IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE

- STORMWATER
- DEDICATED DEICING
- DEICING AND STORMWATER
- 12" VERIFIED PART OF SYSTEM*
- 12" UNVERIFIED PART OF SYSTEM
- SUBTERRANEAN DRAINAGE (SUBDRAIN)
- CENTERLINE OF DITCH*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

- SAND FILTER
- CATCH BASIN*
- OUTFALL *
- FLOW VALVE*
- WQ MANHOLE & WATER QUALITY MANHOLE*
- V VAULT & OIL / WATER SEPARATOR VAULT*

SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

PORTLAND INTERNATIONAL AIRPORT

PORT OF PORTLAND
PORTLAND, OREGON

SUBMITTED BY
DANELLE PETERSON

DRAWING NO.
PDX 2020-3093 1/8 (C1)

Aboveground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0389	Diesel	980

ABOVE GROUND STORAGE TANK
UNDER GROUND STORAGE TANK
MOBILE STORAGE TANK
ELEVATOR TANK
TRANSFORMER TANK
INACTIVE TRANSFORMER TANK

STORM BASIN NUMBER
STORM BASIN BOUNDARY
STORM WATER PERMIT BOUNDARY
PORT PROPERTY BOUNDARY
SPILL KIT
PS-X PUMPSTATION & PUMP STATION ID

WETLAND
VEGETATED SWALE
STORM WATER QUIESCENT/DETENTION POND
IMPERVIOUS P.O.P. AIRPORT SURFACE
IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE
STORMWATER
DEDICATED DEICING
DEICING AND STORMWATER
12" VERIFIED PART OF SYSTEM*
12" UNVERIFIED PART OF SYSTEM
SUBTERRANEAN DRAINAGE (SUBDRAIN)
CENTERLINE OF DITCH*

SAND FILTER
CATCH BASIN*
OUTFALL *
FLOW VALVE*
MANHOLE & WATER QUALITY MANHOLE*
VAULT & OIL / WATER SEPARATOR VAULT*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

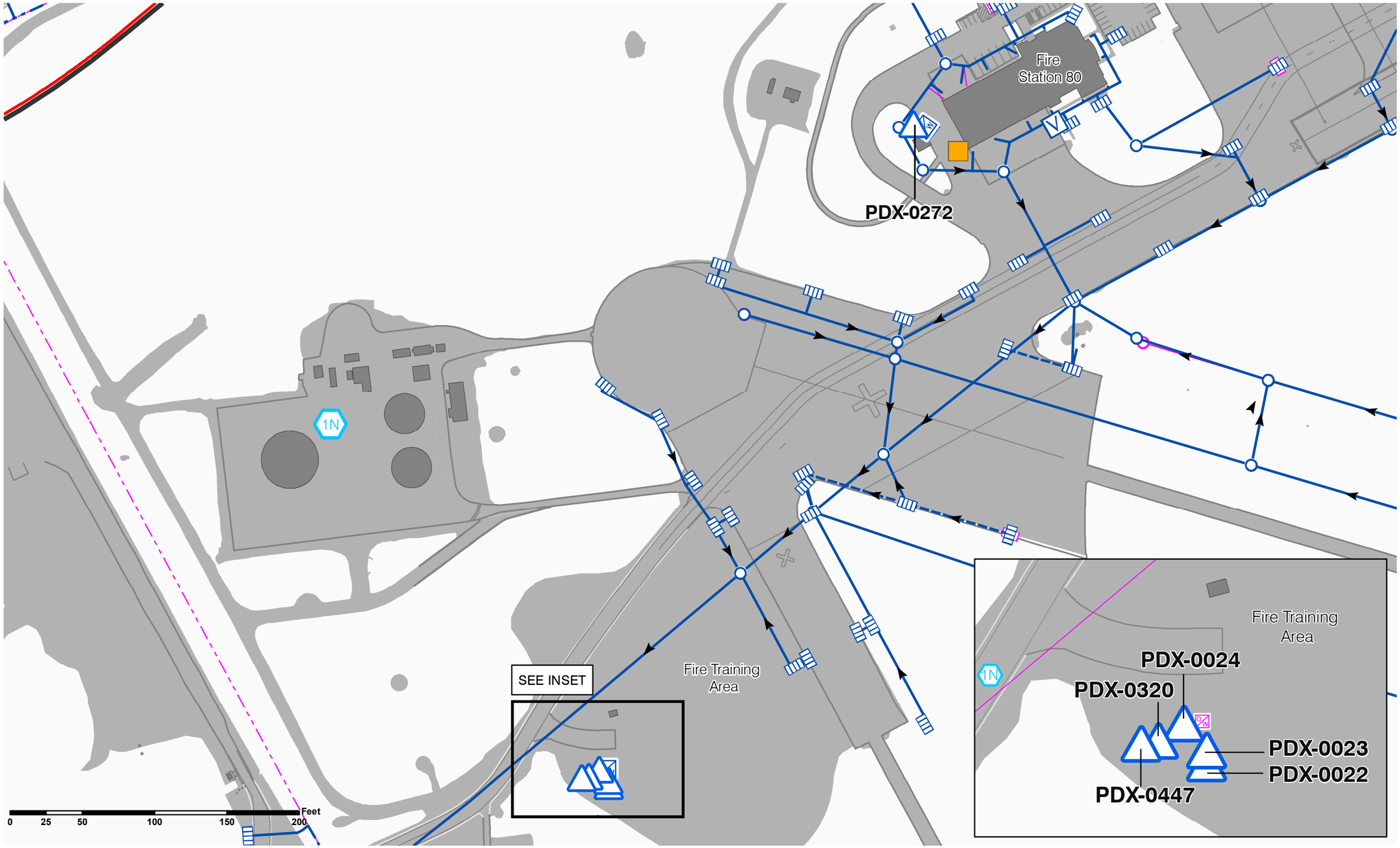
SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

PORTLAND INTERNATIONAL AIRPORT

PORT OF PORTLAND
PORTLAND, OREGON

SUBMITTED BY
DANELLE PETERSON

DRAWING NO.
PDX 2020-3093 2/8 (C-2)



Aboveground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0022	Jet Fuel	2000
PDX-0023	Jet Fuel	2000
PDX-0024	Jet Fuel	400
PDX-0272	Diesel	2000
PDX-0320	Reclaimed Water	20000
PDX-0447	Reclaimed Water	20000

- ABOVE GROUND STORAGE TANK
- UNDER GROUND STORAGE TANK
- MOBILE STORAGE TANK
- ELEVATOR TANK
- TRANSFORMER TANK
- INACTIVE TRANSFORMER TANK
- STORM BASIN NUMBER
- STORM BASIN BOUNDARY
- STORM WATER PERMIT BOUNDARY
- PORT PROPERTY BOUNDARY
- SPILL KIT
- PS-X PUMPSTATION & PUMP STATION ID
- WETLAND
- VEGETATED SWALE
- STORM WATER QUIESCENT/DETENTION POND
- IMPERVIOUS P.O.P. AIRPORT SURFACE
- IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE

- STORMWATER
- DEDICATED DEICING
- DEICING AND STORMWATER
- 12" VERIFIED PART OF SYSTEM*
- 12" UNVERIFIED PART OF SYSTEM
- SUBTERRANEAN DRAINAGE (SUBDRAIN)
- CENTERLINE OF DITCH*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

- SAND FILTER
- CATCH BASIN*
- OUTFALL *
- FLOW VALVE*
- MANHOLE & WATER QUALITY MANHOLE*
- VAULT & OIL / WATER SEPARATOR VAULT*

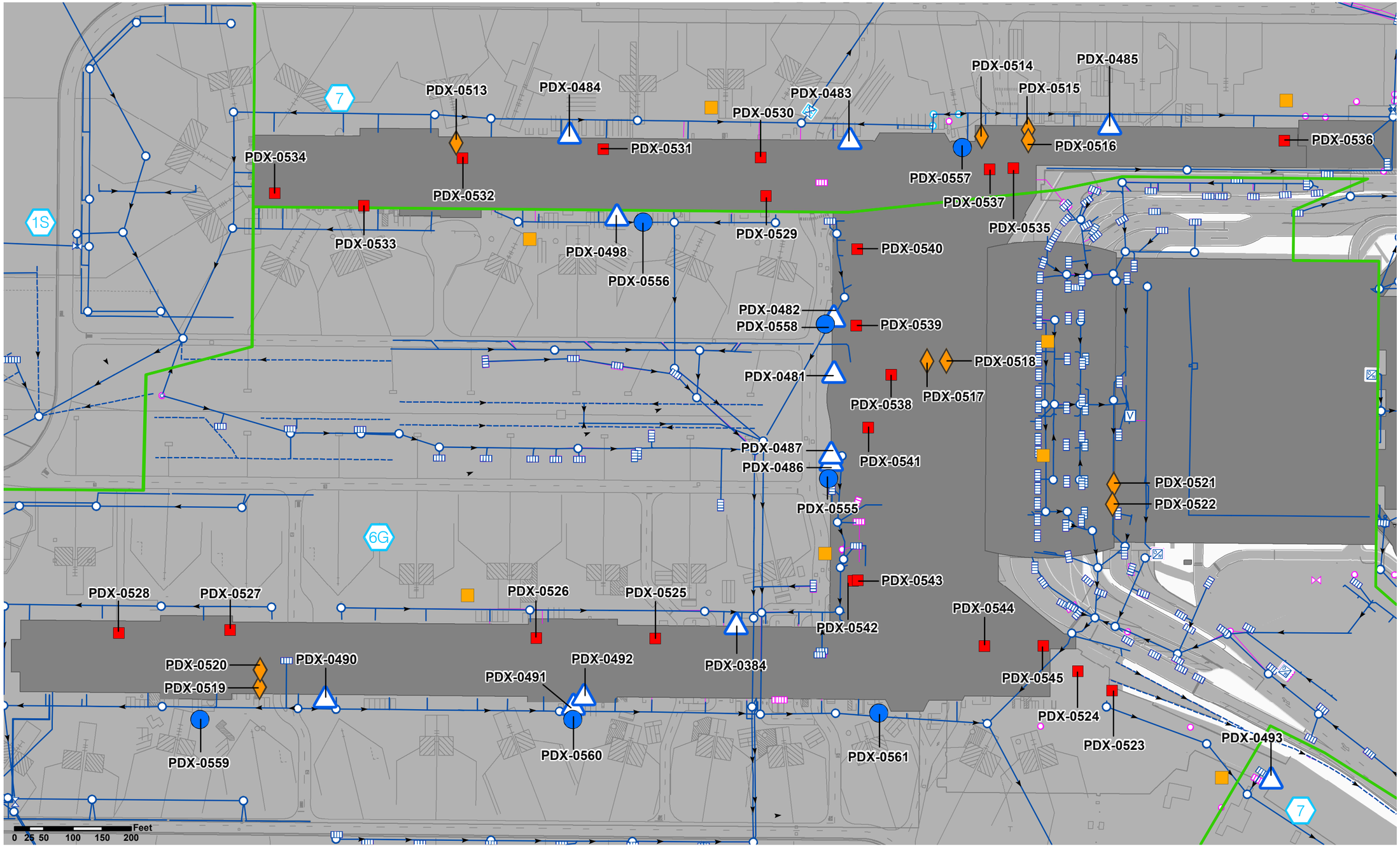
SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

PORTLAND INTERNATIONAL AIRPORT

PORT OF PORTLAND
PORTLAND, OREGON

SUBMITTED BY
DANELLE PETERSON

DRAWING NO.
PDX 2020-3093 3/8 (C-3)



Aboveground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0384	Diesel	500
PDX-0481	Grease	250
PDX-0482	Grease	317
PDX-0483	Grease	317
PDX-0484	Grease	353
PDX-0485	Grease	353
PDX-0486	Grease	317
PDX-0487	Grease	317
PDX-0490	Grease	353
PDX-0491	Grease	317
PDX-0492	Grease	317
PDX-0493	Grease	353
PDX-0498	Grease	317

Underground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0555	Grease	950
PDX-0556	Grease	5000
PDX-0557	Grease	5000
PDX-0558	Grease	4000
PDX-0559	Grease	5000
PDX-0560	Grease	4000
PDX-0561	Grease	4000

Transformer Tank (Oil Filled)

Tank ID	Room	Tank Size (gal)
PDX-0513	D1620	306
PDX-0514	T1550A	188
PDX-0515	E1000	290
PDX-0516	E1000	290
PDX-0517	T1344B	204
PDX-0518	T1344B	204
PDX-0519	C1080	481
PDX-0520	C1080	481
PDX-0521	P1205A	550
PDX-0522	P1205BT	275

Machine Room & Elevator Locations

ID (PDX-)	Elev No.	Mach. Rm	Tank Size (gal)
523	A03	B1426	171
524	B01	B1240	100
525	C06	C1220	165
526	CF08	C1162	171
527	CF16	C1056	180
528	C18	C1019	100
529	D01	D1028	180
530	DF02	D1063	265
531	D03	D1404	160
532	D09	D1632	90
533	D10	D3506	100
534	D11	D1660	90
535	E01	E3464	80
536	E06	E1464	100
537	E29	E2011	110
538	T01	T2441	110
539	T02	T1319	110
540	T03	T2345	110
541	T06	T1291	165
542	TF07	T1815	330
543	T08	T1815	220
544	T09	T1768	115
545	T10	T1744	165

ABOVE GROUND STORAGE TANK
UNDER GROUND STORAGE TANK
MOBILE STORAGE TANK
ELEVATOR TANK
TRANSFORMER TANK
INACTIVE TRANSFORMER TANK

3 STORM BASIN NUMBER
STORM BASIN BOUNDARY
STORM WATER PERMIT BOUNDARY
PORT PROPERTY BOUNDARY
SPILL KIT
PS-X PUMPSTATION & PUMP STATION ID

WETLAND
VEGETATED SWALE
STORM WATER QUIESCENT/DETENTION POND
IMPERVIOUS P.O.P. AIRPORT SURFACE
IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE
STORMWATER
DEDICATED DEICING
DEICING AND STORMWATER
12" VERIFIED PART OF SYSTEM*
12" UNVERIFIED PART OF SYSTEM
SUBTERRANEAN DRAINAGE (SUBDRAIN)
CENTERLINE OF DITCH*

SAND FILTER
CATCH BASIN*
OUTFALL *
FLOW VALVE*
MANHOLE & WATER QUALITY MANHOLE*
VAULT & OIL / WATER SEPARATOR VAULT*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

PORTLAND INTERNATIONAL AIRPORT

PORT OF PORTLAND
PORTLAND, OREGON

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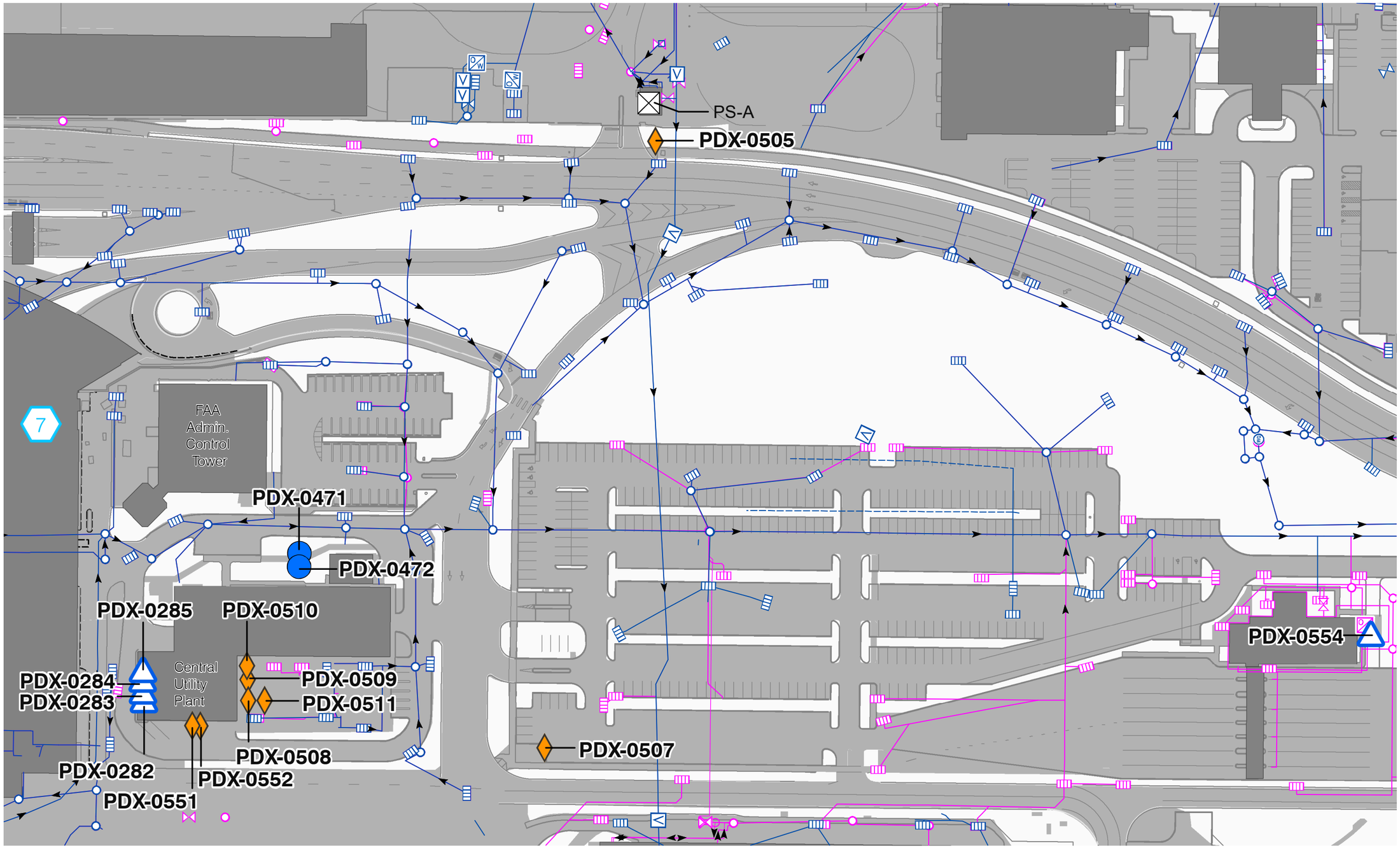
DANELLE PETERSON

DRAWING NO.
PDX 2020-3093 4/8 (C-4)



Aboveground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0282	Diesel	150
PDX-0283	Diesel	150
PDX-0284	Diesel	150
PDX-0285	Diesel	150
PDX-0554	Toll Exit Plaza	215

Underground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0471	Heating Oil	30000
PDX-0472	Heating Oil	30000

Transformer Tank (Oil Filled)

Tank ID	Location	Tank Size
PDX-0505	PS-A	232
PDX-0507	Employee Lot	215
PDX-0508	CUP	544
PDX-0509	CUP	1045
PDX-0510	CUP	753
PDX-0511	CUP	544
PDX-0551	CUP	196
PDX-0552	CUP	196

ABOVE GROUND STORAGE TANK
UNDER GROUND STORAGE TANK
MOBILE STORAGE TANK
ELEVATOR TANK
TRANSFORMER TANK
INACTIVE TRANSFORMER TANK

STORM BASIN NUMBER
STORM BASIN BOUNDARY
STORM WATER PERMIT BOUNDARY
PORT PROPERTY BOUNDARY
SPILL KIT
PS-X PUMPSTATION & PUMP STATION ID

WETLAND
VEGETATED SWALE
STORM WATER QUIESCENT/DETENTION POND
IMPERVIOUS P.O.P. AIRPORT SURFACE
IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE
STORMWATER
DEDICATED DEICING
DEICING AND STORMWATER
12" VERIFIED PART OF SYSTEM*
12" UNVERIFIED PART OF SYSTEM
SUBTERRANEAN DRAINAGE (SUBDRAIN)
CENTERLINE OF DITCH*

SAND FILTER
CATCH BASIN*
OUTFALL *
FLOW VALVE*
MANHOLE & WATER QUALITY MANHOLE*
VAULT & OIL / WATER SEPARATOR VAULT*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

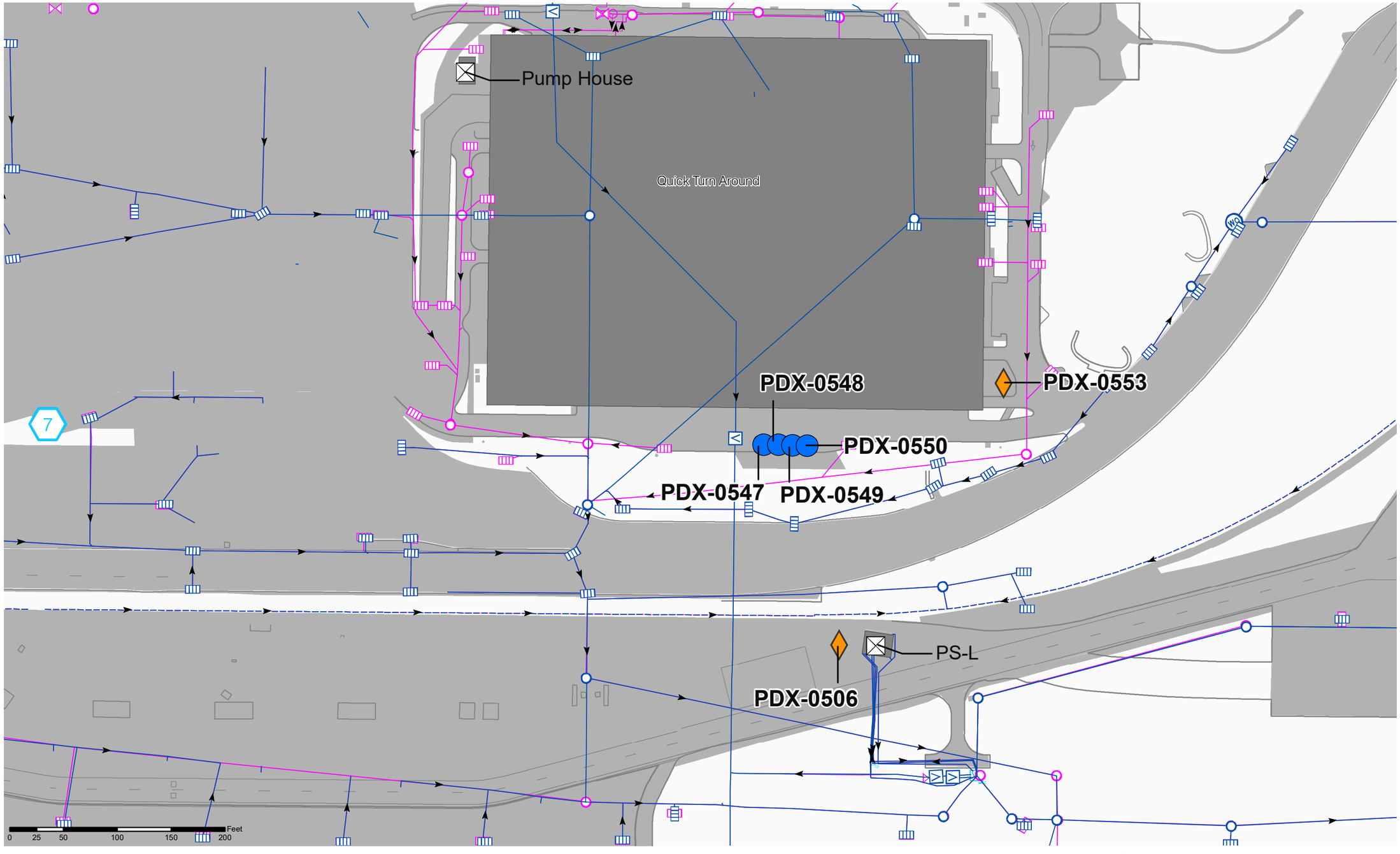
SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP - 2020

PORTLAND INTERNATIONAL AIRPORT

PORT OF PORTLAND
PORTLAND, OREGON

SUBMITTED BY: DANELLE PETERSON

DRAWING NO.: PDX 2020-3020 5/8 (C-5)



Underground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal.)
PDX-0547	Gasoline	15000
PDX-0548	Gasoline	15000
PDX-0550	Gasoline	15000
PDX-0551	Gasoline	15000

Transformer Tanks (Oil Filled)

Tank ID	Location	Tank Size (gal.)
PDX-0506	PS-L	202
PDX-0553	QTA	683

ABOVE GROUND STORAGE TANK
UNDER GROUND STORAGE TANK
MOBILE STORAGE TANK
ELEVATOR TANK
TRANSFORMER TANK
INACTIVE TRANSFORMER TANK

3 STORM BASIN NUMBER
STORM BASIN BOUNDARY
STORM WATER PERMIT BOUNDARY
PORT PROPERTY BOUNDARY
SPILL KIT
PS-X PUMPSTATION & PUMP STATION ID

WETLAND
VEGETATED SWALE
STORM WATER QUIESCENT/DETENTION POND
IMPERVIOUS P.O.P. AIRPORT SURFACE
IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE
STORMWATER
DEDICATED DEICING
DEICING AND STORMWATER
12" VERIFIED PART OF SYSTEM*
12" UNVERIFIED PART OF SYSTEM
SUBTERRANEAN DRAINAGE (SUBDRAIN)
CENTERLINE OF DITCH*

SAND FILTER
CATCH BASIN*
OUTFALL *
FLOW VALVE*
MANHOLE & WATER QUALITY MANHOLE*
VAULT & OIL / WATER SEPARATOR VAULT*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

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PORTLAND, OREGON

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DRAWING NO.
PDX 2020-3093 6/8 (C-6)

Elevator Tank (Oil Filled)

ID	Location	Tank Size
PDX-0546	BLDG 8855	100

- ABOVE GROUND STORAGE TANK
- UNDER GROUND STORAGE TANK
- MOBILE STORAGE TANK
- ELEVATOR TANK
- TRANSFORMER TANK
- INACTIVE TRANSFORMER TANK
- 3 STORM BASIN NUMBER
- STORM BASIN BOUNDARY
- STORM WATER PERMIT BOUNDARY
- PORT PROPERTY BOUNDARY
- SPILL KIT
- PS-X PUMPSTATION & PUMP STATION ID
- WETLAND
- VEGETATED SWALE
- STORM WATER QUIESCENT/DETENTION POND
- IMPERVIOUS P.O.P. AIRPORT SURFACE
- IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE

- STORMWATER
- DEDICATED DEICING
- DEICING AND STORMWATER
- 12" VERIFIED PART OF SYSTEM*
- 12" UNVERIFIED PART OF SYSTEM
- SUBTERRANEAN DRAINAGE (SUBDRAIN)
- CENTERLINE OF DITCH*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

- SAND FILTER
- CATCH BASIN*
- OUTFALL *
- FLOW VALVE*
- MANHOLE & WATER QUALITY MANHOLE*
- VAULT & OIL / WATER SEPARATOR VAULT*

SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

PORTLAND INTERNATIONAL AIRPORT

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PORTLAND, OREGON

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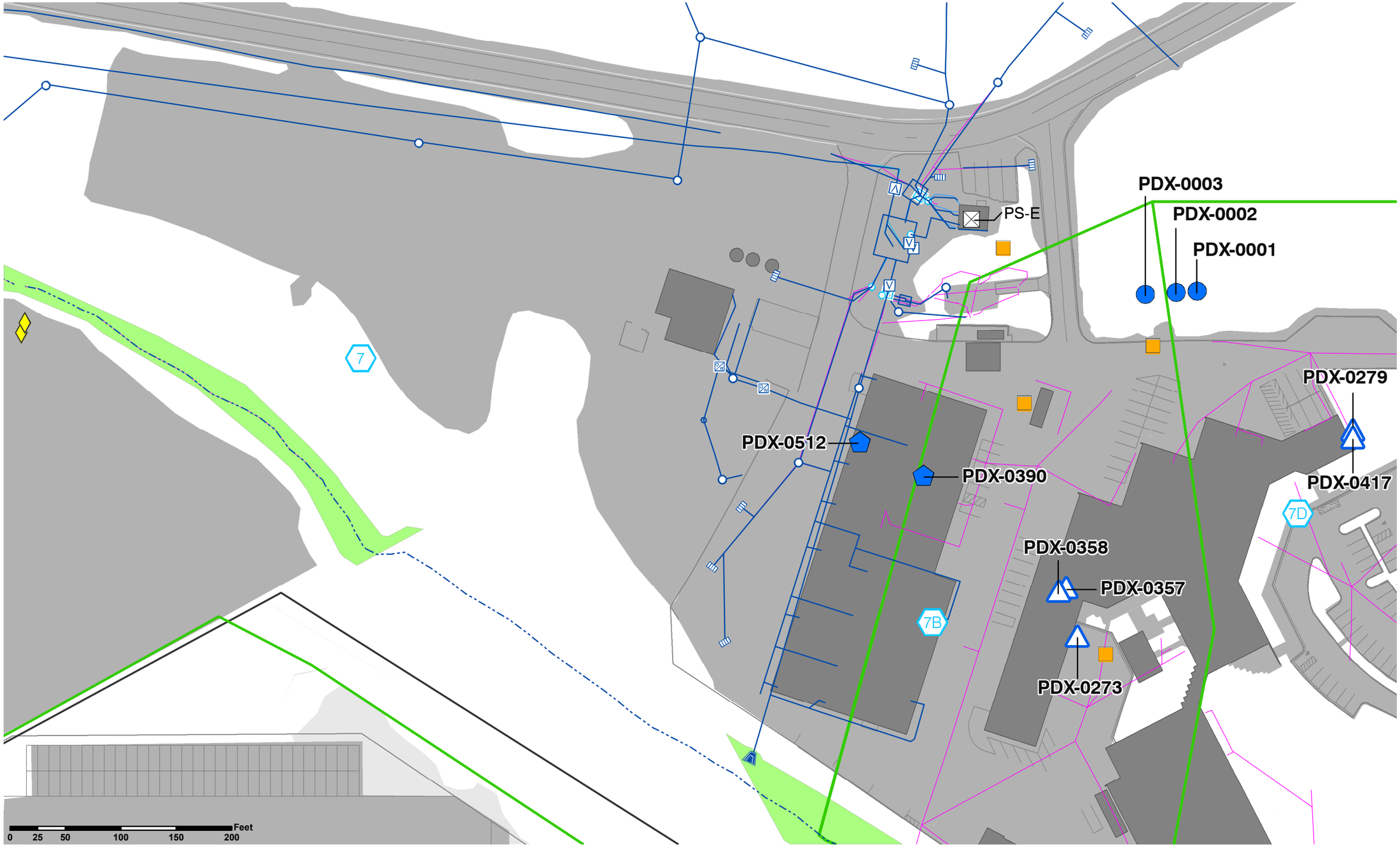
DRAWING NO.
PDX 2020-3093 7/8 (C-7)



Aboveground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0273	Used Oil	500
PDX-0279	Diesel	500
PDX-0357	Oil*	1250
PDX-0358	Transmission Fluid	275
PDX-0390	Diesel	110
PDX-0417	Diesel	100
PDX-0512	Diesel	100

Note:

* Tank has multiple compartments

PDX-0357	Hydraulic Oil	250
PDX-0357	Gear Oil	250
PDX-0357	Coolant Oil	250
PDX-0357	Motor Oil	500

Underground Storage Tanks

Tank ID	Tank Contents	Tank Size (gal)
PDX-0001	Gasoline	6000
PDX-0002	Diesel	6000
PDX-0003	Diesel	10000

Transformer Tanks

Transformers are inactive.

ABOVE GROUND STORAGE TANK
UNDER GROUND STORAGE TANK
MOBILE STORAGE TANK
ELEVATOR TANK
TRANSFORMER TANK
INACTIVE TRANSFORMER TANK

3 STORM BASIN NUMBER
STORM BASIN BOUNDARY
STORM WATER PERMIT BOUNDARY
PORT PROPERTY BOUNDARY
SPILL KIT
PS-X PUMPSTATION & PUMP STATION ID

WETLAND
VEGETATED SWALE
STORM WATER QUIESCENT/DETENTION POND
IMPERVIOUS P.O.P. AIRPORT SURFACE
IMPERVIOUS C.O.P. RIGHT OF WAY SURFACE

INFRASTRUCTURE TYPE
STORMWATER
DEDICATED DEICING
DEICING AND STORMWATER
12" VERIFIED PART OF SYSTEM*
12" UNVERIFIED PART OF SYSTEM
SUBTERRANEAN DRAINAGE (SUBDRAIN)
CENTERLINE OF DITCH*

SAND FILTER
CATCH BASIN*
OUTFALL *
FLOW VALVE*
MANHOLE & WATER QUALITY MANHOLE*
VAULT & OIL / WATER SEPARATOR VAULT*

*SYMBOL COLOR CODED BY INFRASTRUCTURE TYPE

SPILL PREVENTION CONTROL AND COUNTERMEASURE MAP- 2020

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PORT OF PORTLAND
PORTLAND, OREGON

SUBMITTED BY	DRAWING NO.
DANELLE PETERSON	PDX 2020-3093 8/8 (C-8)

APPENDIX A

SPCC PLAN REVIEW AND AMENDMENT LOG

PORT OF PORTLAND, PORTLAND INTERNATIONAL AIRPORT
SPCC PLAN REVIEW AND AMENDMENT LOG

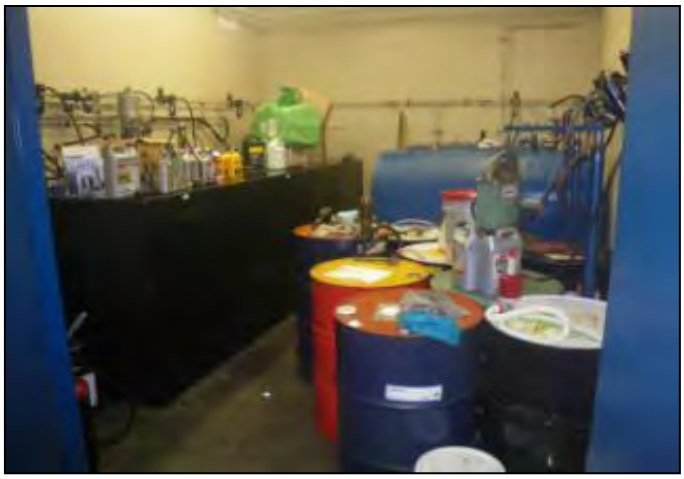
I have completed review and evaluation of the SPCC Plan for the Port of Portland site and will/will not amend the SPCC Plan as a result.

Review Date	Will Amend	Reviewer Name	Reviewer Signature
06/24/2020	**Yes** / No	Steven Taylor, PE	
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		
	Yes / No		

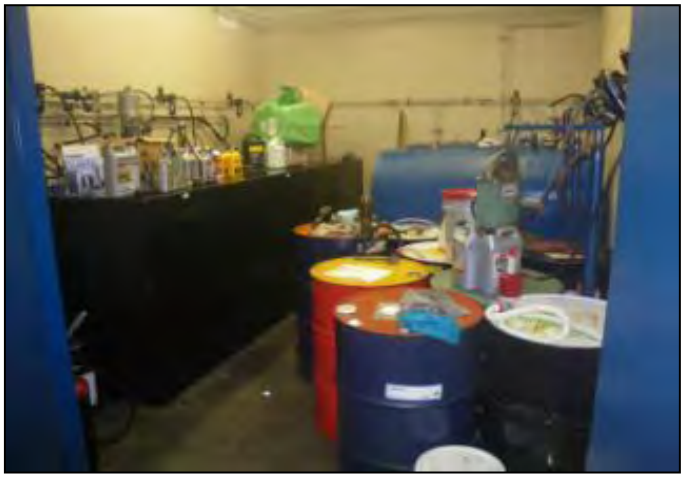
Amendment Number	Description of Amendments	Date	Reviewer Name	Reviewer Signature
1	Rewrite of SPCC Plan, excluding Appendices B through D and drawings C-1 through C-8. The Port of Portland provided Appendices B through D and drawings C-1 through C-8.	06/24/2020	Steven Taylor, PE	
2	Management approval signature.	10/19/2020	Dan Pippenger, Port of Portland	
3	Revised PDX Spill Response Procedures.	3/9/2021	Stan Jones, Port of Portland	

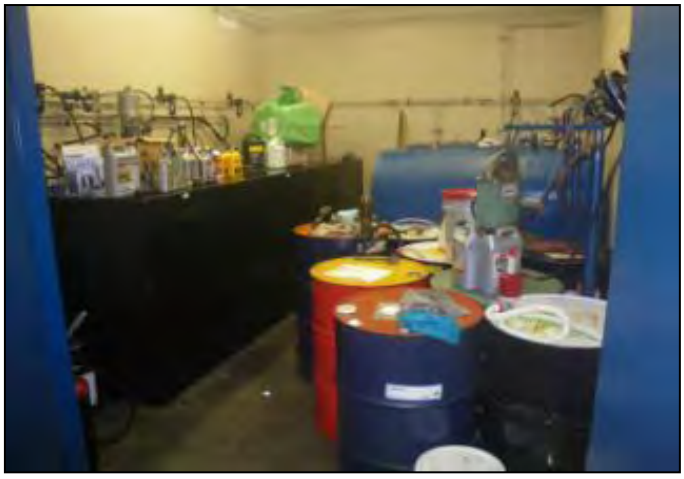
APPENDIX B

TANK/AREA DATA SHEETS

TANK ID:	Tank 357
Also Known As:	Tanks PDX-10, PDX-13, PDX-14, and PDX-15 (each of four compartments)
Location:	Maintenance Facility Oil Room
Shown On:	Figure C-4
Contents:	Hydraulic Oil (250 gallons) Gear Oil (250 gallons) Coolant Oil (250 gallons) Motor Oil (500 gallons)
Capacity:	1,250 gallons total
Material:	Steel
Type:	Double-Walled AST
Secondary Containment:	Double-Wall; Building Interior
Description of Drainage from Secondary Containment:	Intrinsic secondary containment does not drain. Tertiary containment provided by Oil Room - floor drain inside room is normally plugged and drains to oil-water separator and sanitary sewer.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system. In addition, spills within the oil room would be contained by the room itself (floor drain is plugged and building structure would prevent spills from exiting building).
Engineering Controls:	Visual fill gauges, tank sited indoors.
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Maintenance Facility (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 358
Also Known As:	Tank PDX-11
Location:	Maintenance Facility Oil Room
Shown On:	Figure C-4
Contents:	Automatic Transmission Fluid
Capacity:	275 gallons
Material:	Steel
Type:	Single-walled AST
Secondary Containment:	Located within Facility Oil Room
Description of Drainage from Secondary Containment:	Secondary containment provided by Oil Room - floor drain inside room is normally plugged and drains to oil-water separator and sanitary sewer.
Fault Analysis:	Spills within the oil room would be contained by the room itself (floor drain is plugged and building structure would prevent spills from exiting building).
Engineering Controls:	Visual fill gauge, tank sited indoors.
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Maintenance Facility (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 12
Location:	Maintenance Facility Oil Room
Shown On:	Figure C-4
Contents:	Antifreeze
Capacity:	275 gallons
Material:	Steel
Type:	Single-walled AST
Secondary Containment:	Located within Facility Oil Room
Description of Drainage from Secondary Containment:	Secondary containment provided by Oil Room - floor drain inside room is normally plugged and drains to oil-water separator and sanitary sewer.
Fault Analysis:	Spills within the oil room would be contained by the room itself (floor drain is plugged and building structure would prevent spills from exiting building).
Engineering Controls:	Visual fill gauge, tank sited indoors.
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Maintenance Facility (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Maintenance Facility Drum Storage
Location:	Maintenance Facility Oil Room and Vehicle Service Bays
Shown On:	Figure C-4 (Shops and Administration Building)
Contents:	Various Petroleum Products (Greases, Oils)
Capacity:	Up to 12 55-gallon drums
Material:	Steel
Type:	55-gallon drums
Secondary Containment:	Oil Room drum storage contained by Oil Room. Drums used in service bays are stored on spill pallets.
Description of Drainage from Secondary Containment:	Floor drains inside Maintenance Facility drain to oil-water separator and sanitary sewer. Floor drain in Oil Room is plugged.
Fault Analysis:	Spills from drums most likely to occur during dispensing from in-service drums or during moving of drums. Such activities are attended by trained Port personnel who would respond immediately to spill event with available spill kit materials. During normal use spills would be contained by Oil Room or spill pallets.
Engineering Controls:	Oil-water separator, spill pallets.
Corrosion Protection:	None - drums stored indoors.
Integrity Testing:	Not applicable to drums
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Drums are located inside the Maintenance Facility (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Drums are not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	None. Spill kit materials available in vicinity of drum storage area.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Haz Mat Storage Building Drum Storage
Location:	Hazardous Materials Storage Building
Shown On:	Figure C-4 (Hazardous Materials Storage Building)
Contents:	Various Petroleum Products (Fuels, Oils, Greases)
Capacity:	Up to Six 55-gallon drums
Material:	Steel
Type:	55-gallon drums
Secondary Containment:	Drums located within contained building.
Description of Drainage from Secondary Containment:	Floor drains inside Haz Mat building drain to oil-water separator and containment tank.
Fault Analysis:	Spills from drums most likely to occur during dispensing from in-service drums or during moving of drums. Such activities are attended by trained Port personnel who would respond immediately to spill event with available spill kit materials. Spills from drums may flow to the building floor drains which are connected to an oil-water separator and a spill containment tank.
Engineering Controls:	Oil-water separator and containment tank.
Corrosion Protection:	None - drums stored indoors.
Integrity Testing:	Not applicable to drums
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Drums are located inside the Haz Mat Storage Building (kept secured). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Drums are not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	None. Spill kit materials available in building.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 279
Also Known As:	Tank PDX-9
Location:	Maintenance Facility
Shown On:	Figure C-4
Contents:	Diesel Fuel
Capacity:	500 gallons
Material:	Steel
Type:	Double-Walled AST
Secondary Containment:	Double-Wall
Description of Drainage from Secondary Containment:	Intrinsic secondary containment does not drain.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system.
Engineering Controls:	Visual fill gauges.
Corrosion Protection:	Painted double-wall AST not in direct contact with ground. Above-ground piping.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 279 Ancillary Day Tank
Location:	Maintenance Facility Emergency Generator Room
Shown On:	Figure C-4
Contents:	Diesel Fuel
Capacity:	100 gallons
Material:	Steel
Type:	Single-Walled AST
Secondary Containment:	Located inside building (Emergency Generator Room)
Description of Drainage from Secondary Containment:	Emergency Generator Room does not drain.
Fault Analysis:	Failure of primary containment will flow to floor of the Emergency Generator Room.
Engineering Controls:	Pump cut-off devices
Corrosion Protection:	None - tank located indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Tank located within building. Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	None
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)

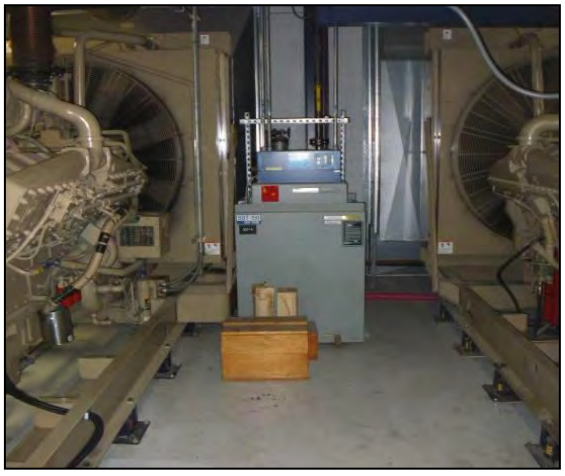
TANK ID:	Tank 273
Location:	Maintenance Facility
Shown On:	Figure C-4
Contents:	Used Oil
Capacity:	500 gallons
Material:	Steel
Type:	Double-Walled AST
Secondary Containment:	Double-Wall
Description of Drainage from Secondary Containment:	Intrinsic secondary containment does not drain.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system.
Engineering Controls:	Visual fill gauges.
Corrosion Protection:	Painted double-wall AST not in direct contact with ground. Above-ground piping.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Bollards protect tank from vehicle traffic. Tank is not located in areas accessible by the public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 22
Location:	Fire Training Facility
Shown On:	Figure C-1
Contents:	Jet Fuel
Capacity:	2,000 gallons
Material:	Steel
Type:	Single-Walled AST
Secondary Containment:	Concrete berm with sufficient capacity to hold contents of largest tank and precipitation from 25-year 24-hour storm event (See attached containment capacity worksheet).
Description of Drainage from Secondary Containment:	Drainage from secondary containment curb flows to adjacent oil-water separator and to holding tank for subsequent disposal.
Fault Analysis:	Failure of primary containment will flow to the concrete bermed containment vault which is connected via a valve to the adjacent oil-water separator system. The oil-water separator discharges to a nearby tank for collection and transport to sanitary waste drain or off-site management.
Engineering Controls:	Overfill protection, emergency shut-off valves.
Corrosion Protection:	Painted single-wall AST. Buried piping to have cathodic protection.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years. Inspect any exposed piping for deterioration.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	
Notes:	

TANK ID:	Tank 23
Location:	Fire Training Facility
Shown On:	Figure C-1
Contents:	Jet Fuel
Capacity:	2,000 gallons
Material:	Steel
Type:	Single-Walled AST
Secondary Containment:	Concrete berm with sufficient capacity to hold contents of largest tank and precipitation from 25-year 24-hour storm event (See attached containment capacity worksheet).
Description of Drainage from Secondary Containment:	Drainage from secondary containment curb flows to adjacent oil-water separator and to holding tank for subsequent disposal.
Fault Analysis:	Failure of primary containment will flow to the concrete bermed containment vault which is connected via a valve to the adjacent oil-water separator system. The oil-water separator discharges to a nearby tank for collection and transport to sanitary waste drain or off-site management.
Engineering Controls:	Overfill protection, emergency shut-off valves.
Corrosion Protection:	Painted single-wall AST. Buried piping to have cathodic protection.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years. Inspect any exposed piping for deterioration.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	
Notes:	The ownership of Tank 23 is currently unknown and is being determined – but is being included in this SPCC Plan for completeness

TANK ID:	Tank 24
Location:	Fire Training Facility
Shown On:	Figure C-1
Contents:	Recycled Jet Fuel
Capacity:	400 gallons
Material:	Steel
Type:	Single-Walled AST
Secondary Containment:	Concrete berm with sufficient capacity to hold contents of largest tank and precipitation from 25-year 24-hour storm event (See attached containment capacity worksheet).
Description of Drainage from Secondary Containment:	Drainage from secondary containment curb flows to adjacent oil-water separator and to holding tank for subsequent disposal.
Fault Analysis:	This tank is not currently in use. While operating, failure of primary containment will flow to the concrete bermed containment vault which is connected via a valve to the adjacent oil-water separator system. The oil-water separator discharges to a nearby tank for collection and transport to sanitary waste drain or off-site management.
Engineering Controls:	None
Corrosion Protection:	Painted single-wall AST not in direct contact with ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	
Notes:	The tank is not currently in use and associated piping has been disconnected from service points.

TANK ID:	Tank 272
Location:	PDX Fire Department
Shown On:	Figure C-1
Contents:	Diesel Fuel
Capacity:	2,000 gallons
Material:	Steel
Type:	Double-Walled AST
Secondary Containment:	Double-Wall
Description of Drainage from Secondary Containment:	Intrinsic secondary containment does not drain.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system.
Engineering Controls:	Overfill protection, emergency shut-off valves.
Corrosion Protection:	Painted double-wall AST not in direct contact with ground. Above-ground piping.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years. Inspect any exposed piping for deterioration.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Bollards protect tank from vehicle traffic. Tank is not located in areas accessible by the public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

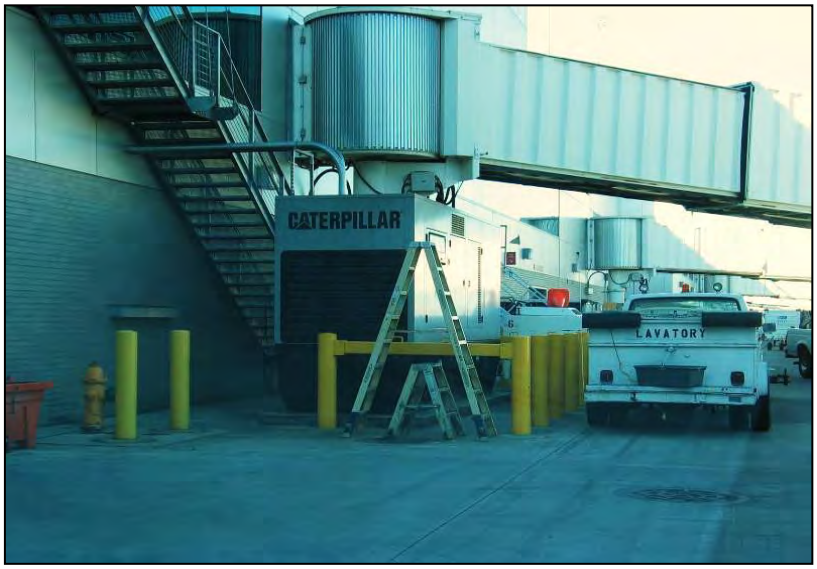
TANK ID:	Tank 282
Location:	Central Utility Plant, Emergency Generator Room
Shown On:	Figure C-3
Contents:	Diesel Fuel
Capacity:	150 gallons
Material:	Steel
Type:	Single-walled AST with attached secondary containment shell.
Secondary Containment:	Outer shell surrounding tank (231 gallon capacity). AST Located indoors
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Spills within the oil room would be contained by the room itself (building structure would prevent spills from exiting building).
Engineering Controls:	Overfill protection
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Central Utility Plant (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 283
Location:	Central Utility Plant, Emergency Generator Room
Shown On:	Figure C-3
Contents:	Diesel Fuel
Capacity:	150 gallons
Material:	Steel
Type:	Single-walled AST with attached secondary containment shell.
Secondary Containment:	Outer shell surrounding tank (231 gallon capacity). AST Located indoors
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Spills within the oil room would be contained by the room itself (building structure would prevent spills from exiting building).
Engineering Controls:	Overfill protection
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Central Utility Plant (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 284
Location:	Central Utility Plant, Emergency Generator Room
Shown On:	Figure C-3
Contents:	Diesel Fuel
Capacity:	150 gallons
Material:	Steel
Type:	Single-walled AST with attached secondary containment shell.
Secondary Containment:	Outer shell surrounding tank (231 gallon capacity). AST Located indoors
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Spills within the oil room would be contained by the room itself (building structure would prevent spills from exiting building).
Engineering Controls:	Overfill protection
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Central Utility Plant (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 285
Location:	Central Utility Plant, Emergency Generator Room
Shown On:	Figure C-3
Contents:	Diesel Fuel
Capacity:	150 gallons
Material:	Steel
Type:	Single-walled AST with attached secondary containment shell.
Secondary Containment:	Outer shell surrounding tank (231 gallon capacity). AST Located indoors
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Spills within the oil room would be contained by the room itself (building structure would prevent spills from exiting building).
Engineering Controls:	Overfill protection
Corrosion Protection:	None - AST indoors.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Central Utility Plant (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 389
Location:	Deicing Treatment Plant
Shown On:	Figure C-5
Contents:	Diesel
Capacity:	980 gallons
Material:	Steel
Type:	Double-walled steel emergency generator fuel tank
Secondary Containment:	Intrinsic secondary containment
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system.
Engineering Controls:	Visual fill gauges and interstitial leak detection.
Corrosion Protection:	Tank not exposed to atmospheric conditions (in weather-rated enclosure) and not in direct contact with ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located inside the Maintenance Facility (kept secured when site not attended). Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Tank 384
Location:	North side of C Concourse
Shown On:	Figure C-2
Contents:	Diesel
Capacity:	500 Gallons
Material:	Steel
Type:	Double-walled steel emergency generator fuel tank
Secondary Containment:	Intrinsic secondary containment
Description of Drainage from Secondary Containment:	Secondary containment shell does not drain.
Fault Analysis:	Failure of primary containment will flow to the interstitial space of the double-walled containment system.
Engineering Controls:	Visual fill gauges and interstitial leak detection.
Corrosion Protection:	Tank not exposed to atmospheric conditions (in weather-rated enclosure) and not in direct contact with ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	AST is located in restricted area of terminal building. Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tank is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available in vicinity of tank.
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Vehicle 16232
Location:	Service vehicle, parked in Equipment Storage Building
Contents:	Diesel Fuel
Capacity:	100 gallons
Material:	Steel
Type:	Single-Walled vehicle-mounted service tanks
Secondary Containment:	Active containment (spill kit available on vehicle). Equipment Storage building floor drain is connected to vault and storage tank.
Description of Drainage from Secondary Containment:	Spills from service tanks would drain to the ground in the immediate vicinity of the vehicle, active secondary containment (use of spill kit) would be used to control spill.
Fault Analysis:	Spills from service tanks most likely to occur during loading of tanks or dispensing fuel. Both activities are attended by trained Port personnel who would respond immediately to spill event with spill kit materials available on the vehicle.
Engineering Controls:	Automatic closing dispenser nozzle. Tanks mounted to allow easy visual inspection.
Corrosion Protection:	Tank not in contact with the ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Vehicle stored within Equipment Storage Building when not in use.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available on vehicle at all times.
Spill Response/Cleanup Procedures.	Follow General Aviation Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Vehicle 17034
Location:	Service vehicle, parked in Equipment Storage Building
Contents:	Diesel Fuel
Capacity:	100 gallons
Material:	Steel
Type:	Single-Walled vehicle-mounted service tanks
Secondary Containment:	Active containment (spill kit available on vehicle). Equipment Storage building floor drain is connected to vault and storage tank.
Description of Drainage from Secondary Containment:	Spills from service tanks would drain to the ground in the immediate vicinity of the vehicle, active secondary containment (use of spill kit) would be used to control spill.
Fault Analysis:	Spills from service tanks most likely to occur during loading of tanks or dispensing fuel. Both activities are attended by trained Port personnel who would respond immediately to spill event with spill kit materials available on the vehicle.
Engineering Controls:	Automatic closing dispenser nozzle. Tanks mounted to allow easy visual inspection.
Corrosion Protection:	Tank not in contact with the ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Vehicle stored within Equipment Storage Building when not in use.
Other Applicable Spill Prevention Measures:	Follow Tank Loading and Unloading Procedures (Appendix E). Spill kit materials available on vehicle at all times.
Spill Response/Cleanup Procedures.	Follow General Aviation Airport Spill Response Procedures (Appendix D)
Photograph:	

TANK ID:	Main Terminal Food Wastes (Communal Grease Vat)
Location: **Shown On:**	Adjacent to Main Terminal (Outside of Food Court) Figure C-2
Contents:	Vegetable Oil
Capacity:	250 gallons
Material:	Communal Vat = Steel with Poly Lid
Type:	Communal Vat = Portable (Rolling) Vat Tank
Secondary Containment:	Communal Vat contained in sloped loading dock with drainage to sanitary sewer. Area is beneath cover.
Description of Drainage from Secondary Containment:	Spills at Communal Vat drains into sanitary sewer.
Fault Analysis:	Spills associated with Communal Vat are likeliest to occur during transfer of vegetable oil (grease) into tank - spills would be limited to loading dock.
Engineering Controls:	The communal grease vat is filled manually and the level of oil in the tank is visible during transfers.
Corrosion Protection:	Tank is not in direct contact with the ground.
Integrity Testing:	Not required for this tank. Follow STI SP001 Standard.
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Tanks are not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	Spill kit materials available at all times.
Spill Response/Cleanup Procedures.	Follow General Aviation Airport Spill Response Procedures (Appendix D)

Photographs:

OIL-FILLED EQUIPMENT	PDX (CUP) Oil Filled Regulators (6)
Location:	Central Utility Plant, Oil Regulator Room
Shown On:	Figure C-3
Contents:	Dielectric Fluid
Capacity:	4 @ 165 gallons; 1 @ 178 gallons; 1 @ 160 gallons
Material:	Steel
Type:	Regulator
Secondary Containment:	The oil regulators are housed inside a room with a concrete floor and a caulked steel berm segregates the oil regulators from possible building exits. The containment area dimensions are approximately 30' x 30' x 2" or a total volume of approximately 1,122 gallons.
Description of Drainage from Secondary Containment:	N/A
Fault Analysis:	Failure of primary regulator containment would flow to the bermed area of the Oil Regulator room and would be contained fully within the building. Containment volume is well in excess of needed volume.
Engineering Controls:	N/A (oil-filled equipment; not oil storage)
Corrosion Protection:	N/A (oil-filled equipment; not oil storage); located indoors.
Integrity Testing:	N/A (oil-filled equipment; not oil storage)
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Regulators are located within secured building. Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Regulators are not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	None
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)
Photograph:	

OIL-FILLED EQUIPMENT PDX Transformers (16)

Location:	Central Utility Plant (5); Terminal North (1); Concourse E (3); Concourse D (2); Concourse C (2); Concourse B (1); Parking (2)
Shown On:	Figures C-2 and C-3
Contents:	Transformer Fluid
Capacity:	Transformer 1359002345 = 544 gallons (CUP North) Transformer 1359002346 = 544 gallons (CUP North) Transformer 1359002365 = 1,045 gallons (CUP South) Transformer HBB5445-001T = 753 gallons (CUP South) Transformers T2B and T3B = 204 gallons each Transformer ET-E = 188 gallons Transformers TE-A and TE-B = 290 gallons each Transformer TDA = 211 gallons Transformer TDB = 306 gallons Transformers TCA and TCB = 481 gallons each Transformer USM1 = 240 gallons Transformer P1-A = 550 gallons Transformer P1 = 275 gallons
Material:	Steel
Type:	Transformer
Secondary Containment:	Active containment (spill kits available in vicinity of transformers and on service vehicles). Transformers other than 1359002345, 1359002346, 1359002365, and HBB5445-001T are located indoors or within containment curbs that have capacity greater than the enclosed transformers.
Description of Drainage from Secondary Containment:	N/A
Fault Analysis:	Failure of primary transformer containment would flow to ground in vicinity of transformer. Transformers other than 1359002345, 1359002346, 1359002365, and HBB5445-001T are indoors or have containment curbs. Flow in vicinity of remaining transformers serviced by storm drain outfitted with insert maintained in the closed position.
Engineering Controls:	N/A (oil-filled equipment; not oil storage)
Corrosion Protection:	N/A (oil-filled equipment; not oil storage)
Integrity Testing:	N/A (oil-filled equipment; not oil storage)
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Transformers are is not located in areas accessible by public.
Other Applicable Spill Prevention Measures:	None
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)

Continued on Next Page

Photographs:

CUP North Courtyard:
1359002345 and 1359002346

CUP South Courtyard: HBB5445-001T
and 1359002365

Terminal N. Bag Tunnel Rm. T1344B:
T2B (335004) and T3B (335005)

Concourse E at gate E-1
Rm. T1550A: ET-E

Parking Structure
1st Flr. SW Corner
RM 1205B: P-1

Concourse E at gate E-1
Rm. E1000: TE-A and TE-B

Concourse D at Gate D-9
Rm. D1620: TDA and TDB

Parking Structure 1st Flr. SW
Corner RM 1205A: P-1A

ConcourseB, 1st Fl.
Rm. B1110A: USM1

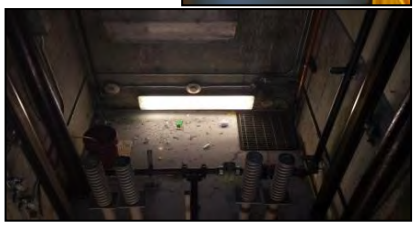
Concourse C, West at Gate C-
15, Rm. C1080: TCA and TCB

Operating Equipment (Elevator Tanks)

Location:	Main Terminal (9); A Concourse (1); B Concourse (1); C Concourse (4); D Concourse (6); E Concourse (2); Building 8855 (1)
Shown On:	Figure C-2 and C-6
Contents:	Hydraulic Oil
Capacity:	ELEVT01 = 110 gallons ELEVT02 = 110 gallons ELEVT03 = 110 gallons ELEVT05 = 165 gallons ELEVTF07 = 330 gallons ELEVT08 = 220 gallons ELEVT09 = 115 gallons ELEVT10 = 165 gallons ELEVT29 = 110 gallons ELEVA03 = 171 gallons ELEVB01 = 100 gallons ELEVC06 = 165 gallons ELEVCF08 = 171 gallons ELEVCF16 = 180 gallons ELEVC18 = 100 gallons ELEVD01 = 180 gallons ELEVDF02 = 265 gallons ELEVD03 = 160 gallons ELEVD09 = 90 gallons ELEVD10 = 100 gallons ELEVD11 = 90 gallons ELEVE01 = 80 gallons ELEVE06 = 100 gallons Building 8855 = 100 gallons
Material:	Steel
Type:	Elevator Hydraulic Reservoirs
Secondary Containment:	Operating equipment (hydraulic reservoirs) are exempt from sized secondary containment requirements. Reservoirs, however, are located within buildings and releases would be contained on building floors before oil could exit from buildings. Elevator jacks located in pits. Drains in vicinity of pits all flow to sanitary sewer.
Description of Drainage from Secondary Containment:	N/A
Fault Analysis:	Failure of the reservoir tanks is unlikely, but would result in spillage of hydraulic oil onto the floor of the associated mechanical room. Several mechanical rooms are near to exterior doors and large spills could reach outdoor areas (ELEVT1, ELEVT2, ELEVT5, ELEVT9, ELEVT10, ELEVD1, ELEVD3, ELEVC6, ELEVCF16). Release from elevator jacks would be limited to pits. Several pits have pumped sumps that discharge to the sanitary sewer (ELEVT5, ELEVT7, ELEVT8, ELEVT9, ELEVT10, ELEVDF2, ELEVC6, ELEVCF8, ELEVCF16, ELEVC18) or are elevated pits that can leak to indoor areas (ELEVT1, ELEVT3, ELEVE1).
Engineering Controls:	N/A (oil-filled equipment; not oil storage)
Corrosion Protection:	N/A (oil-filled equipment; not oil storage)
Integrity Testing:	N/A (oil-filled equipment; not oil storage)
Inspections and Records:	Monthly visual inspections, records kept minimum 3 years.
Security:	Access to PDX is controlled by fencing and secure doors and/or gated entrances consistent with requirements for Homeland Security. Port provides 24-hour security monitoring of PDX. Operating equipment not accessible by public.
Other Applicable Spill Prevention Measures:	None
Spill Response/Cleanup Procedures.	Follow Portland International Airport Spill Response Procedures (Appendix D)

Photographs:

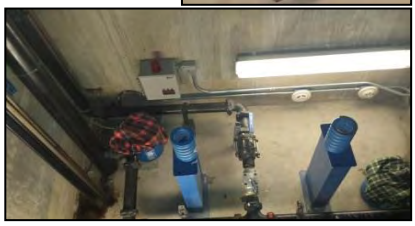
Elevator A03



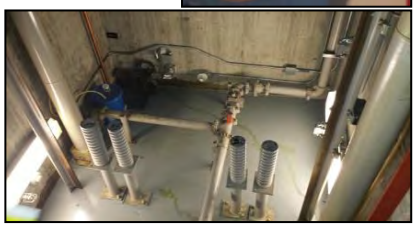
Elevator B01

Elevator C06

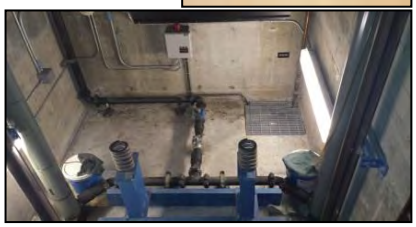
Elevator C18



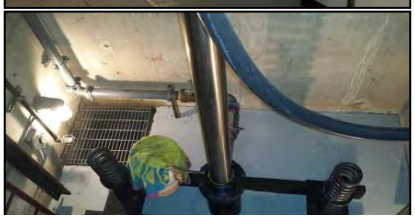
Elevator CF08



Elevator CF16



Elevator D01

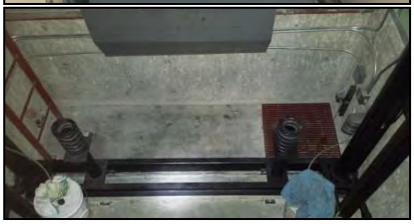


Elevator D03

Elevator D09

Elevator D10

Elevator D11

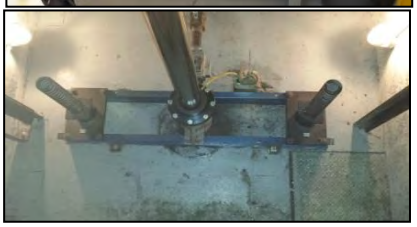


Building 8855 Elevator

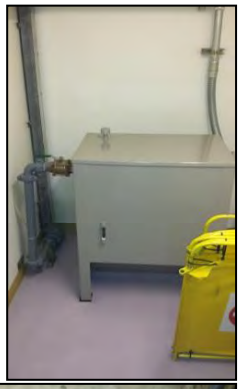
Elevator DF02

Elevator E01

Elevator E06



Elevator T01



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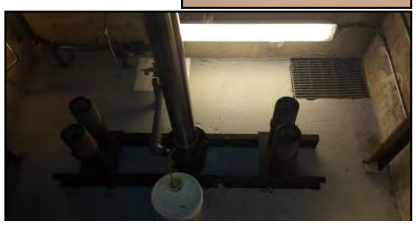
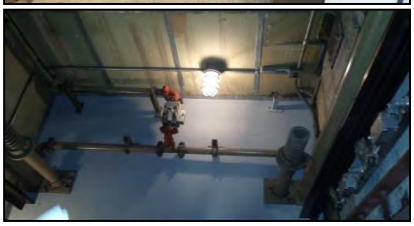
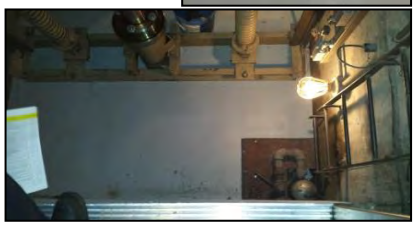


Elevator T03

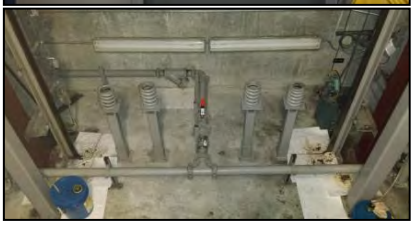


Elevator T05

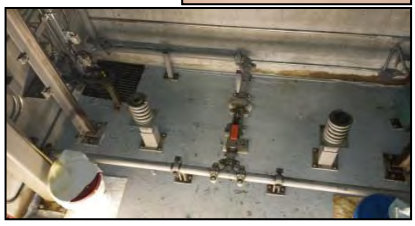


Elevator TF07

Elevator T08



Elevator T09



Elevator T10

Elevator T29

APPENDIX C

SPILL RESPONSE AND NOTIFICATION FORM

SPILL/RELEASE REPORT

State of Oregon Department of Environmental Quality

1 - GENERAL INFORMATION **OERS No. _____**

a. Company/Individual Name: _____

b. Address: _____

_____

c. Company Contact Person: _____

d. Phone Number(s): _____

e. Report Prepared by: _____ Phone:_____

f. Specific on-site location of the release (and address if different from above):

_____

_____

Please provide a map of the site showing area(s) where the release occurred, any sample collection locations, location of roads/ditches/surface water bodies, etc.

2 - RELEASE INFORMATION

a. Date/Time Release started:_____ Date/Time stopped:_____

b. Release was reported to (specify Date/Time/Name of Person contacted where applicable):

ODEQ _____

OERS _____

NRC _____

Other (describe):_____

c. Person(s) reporting release:_____

d. Name, quantity and physical state (gas, liquid, solid or semi-solid) of material(s) released:

_____

_____

Please attach copies of material safety data sheets (MSDS) or constituent profiles for released material(s).

e. The release affected: ____Air ____Groundwater ____Surface Water ____Soil ____Sediment

f. Name and distance to nearest surface water body(s), even if unaffected (include locations of creeks, streams, rivers and ditches that discharge to surface water on maps):

_____

Has the release reached the surface water identified above?: ____Yes ____No
Could the release potentially reach the surface water identified above? ____Yes ____No
Explain:_____

_____

g. Depth to nearest aquifer/groundwater:_____

Is nearest aquifer/groundwater potable (drinkable)? ____Yes ____No
Has the release reached the nearest aquifer/groundwater? ____Yes ____No
Explain:_____

_____

h. Release or potential release to the air occurred? ____Yes ____No
Explain:_____

_____

i. Was there a threat to public safety? ____Yes ____No
j. Is there potential for future releases? ____Yes ____No
Explain:_____

_____

k. Describe other effects/impacts from release (emergency evacuation, fish kills, etc.):

_____

_____

_____

l. Describe how the release occurred. Include details such as the release source, cause, contributing weather factors, activities occurring prior to or during the release, dates and times of various activities, first responders involved in containment activities, etc.:

_____

_____

_____

_____

_____

_____

3 - SITE INFORMATION

a. Adjacent land uses include (check all that apply and depict on site maps):
____Residential ____Commercial ____Light Industrial ____Heavy Industrial
____Agricultural ____Other (describe):_____
b. What is the population density surrounding the site:_____
c. Is the site and/or release area secured by fencing or other means? ____Yes ____No
d. Soil types (check all that apply): ____alluvial ____ bedrock ____ clay ____sandy
____silt ____ silty loam ____artificial surface (cement/asphalt/etc.)
e. Describe site topography:_____

_____

_____

4 - CLEANUP INFORMATION

a. Was site cleanup performed? ____Yes ____No
If No, explain:_____

_____

b. Who performed the site cleanup?
Company Name:_____
Address: _____

_____
Cleanup Supervisor:_____
Phone Number(s): _____

c. Has all contamination been removed from the site? ____Yes ____No
If No, explain:_____

_____

d. Estimated volume of contaminated soil removed:_____
e. Estimated volume of contaminated soil left in place:_____
f. Was a hazardous waste determination made for cleanup materials? ____Yes ____No
g. Based on the determination, are the cleanup materials hazardous wastes?
____Yes ____No If Yes, list all waste codes:_____
h. Was contaminated soil or water disposed of at an off-site location? ____Yes ____No
If yes, attach copies of receipts/manifests/etc., and provide the following information:
Facility Name: _____
Address: _____
_____
Facility Contact: _____
Phone Number(s): _____
i. Is contaminated soil or water being stored and/or treated on-site? ____Yes ____No
If yes, please describe the material(s), storage and/or treatment area, and methods utilized (attach additional sheets if necessary):

_____

_____

_____

_____

j. Describe cleanup activities including what actions were taken, dates and times actions were initiated and completed, volumes of contaminated materials that were removed, etc. (attach additional sheets or contractor reports if necessary or more convenient):

_____

_____

_____

5 - SAMPLING INFORMATION
Attach copies of all sample data and indicate locations of sample collection on maps.

a. Were samples of contaminated soil collected? ____Yes ____No ____N/A
b. Were samples of contaminated water collected? ____Yes ____No ____N/A
c. Were samples collected to show that all contamination had been removed?
____Yes ____No ____N/A
d. Describe sampling activities, results and discuss rationale for sampling methods:

_____

_____

_____

_____

_____

6 - ADDITIONAL INFORMATION

a. Provide a description or plan outlining the list of actions to be taken to prevent future releases from occurring.

_____

_____

_____

_____

7 - SPILL REPORT CHECKLIST

To ensure that you have gathered all the information requested by the Department in this Spill/Release Report, please complete the following checklist:

____ Map(s), pre and post cleanup photos of the site showing buildings, roads, surface water bodies, ditches, waterways, point of the release, extent of contamination, areas of excavation and sample collection locations attached.

____ Material Safety Data Sheet (MSDS), or constituent profiles for released material(s) attached. **Note: an MSDS is not required for motor fuels.**

____ Sampling data/analytical results attached.

____ Receipts/manifests (if any) for disposal of cleanup materials attached.

____ Contractor reports (if any) attached.

If you would like to submit your report by e-mail an electronic version can be downloaded on the internet at this link: http://www.oregon.gov/deq/filterdocs/SpillReleaseReportForm.pdf. This form can then be submitted by e-mail to DOSPILLS@deq.state.or.us. Please ensure that emails submitted to DEQ are less than 8 MB each. Multiple emails can be submitted to the DEQ if a report has to be divided into smaller sections for transmittal.

I certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this submittal are true, accurate and complete.

Signature:_____ Date:_____

APPENDIX D

PORT SPILL RESPONSE PROCEDURES PLAN

PORT OF PORTLAND

PORTLAND INTERNATIONAL AIRPORT

SPILL RESPONSE PROCEDURES

(March 9, 2021)

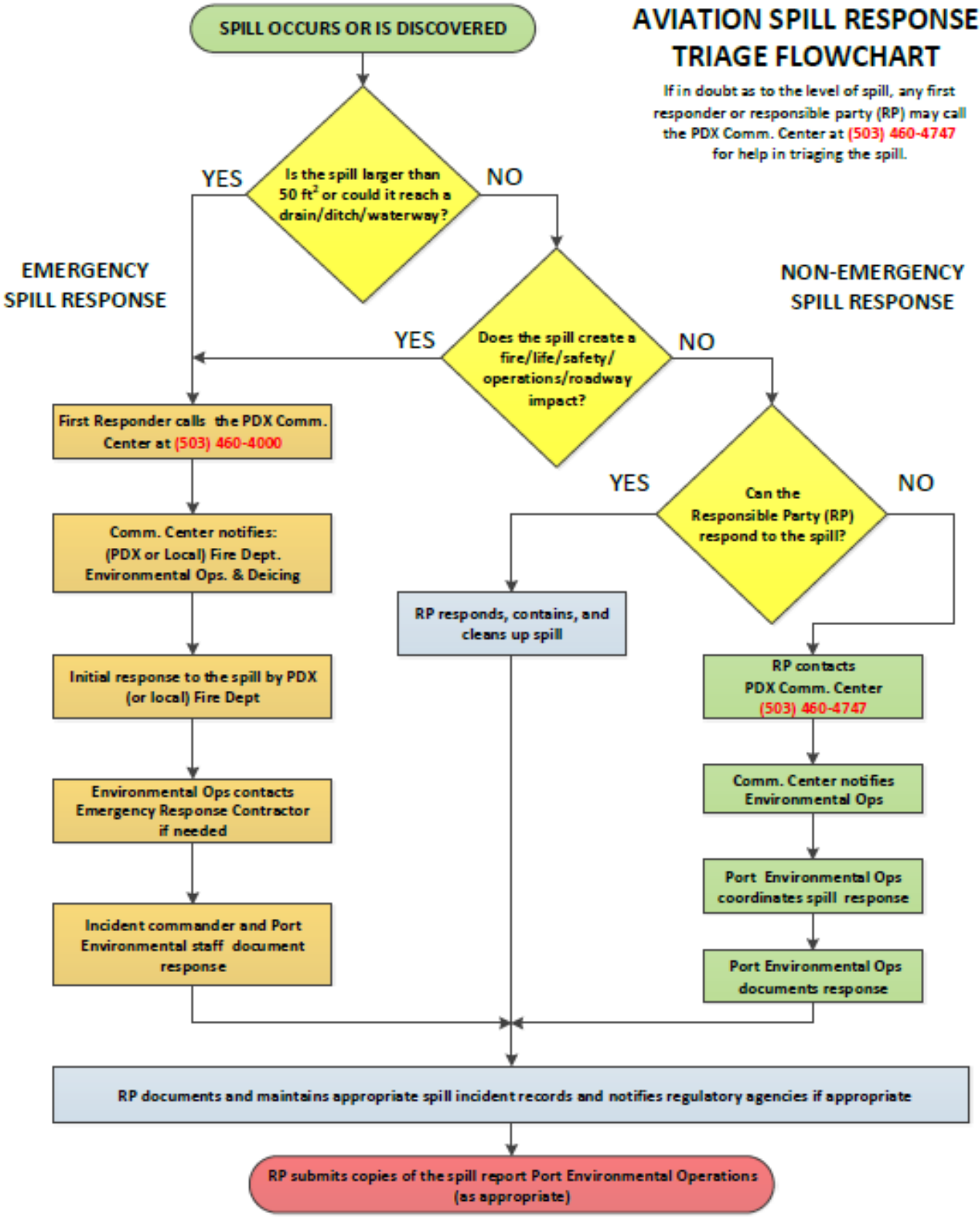
Approved by _____

Stan Jones, Mixed Media Senior Manager
Environmental Operations
Port of Portland

Date March 14, 2021

AVIATION SPILL RESPONSE TRIAGE FLOWCHART

If in doubt as to the level of spill, any first responder or responsible party (RP) may call the PDX Comm. Center at (503) 460-4747 for help in triaging the spill.



Refer to the Work Instruction *Aviation Spill Response* <WI-AVI-WTR-003> and/or the *PDX Spill Response Procedures* posted in the Environmental Library on Navigator for additional information or contact Environmental Operations.

Updated 03-02-2021

Contents

REVISION HISTORY

PDX SPILL RESPONSE PROCEDURES	
Various	
11/05/2007	
05/05/2011	Updated Incident Command responsibilities and associated training requirements (Aviation Environmental will no longer be delegated this responsibility); updated key contact information/numbers; updated related flowcharts for consistency with current work instructions.
12/13/2011	Incorporated labeling requirement reference language from Stormwater General Permit. We determined this was a minor edit and did not require updated sign off on the enclosed procedures.
04/10/2014	Updated spill response flowchart and procedures to improve consistency with Port-wide emergency response plans. Incorporated deicing plant notification.
01/15/2015	Updated spill response flow chart to reference responses to petroleum or sewage spills versus unknown or hazardous spills – so responders can implement emergency spill response for spills where they are unaware of the material or the material's reportable quantity; Updated section 5.0 for consistency with the new flowchart.
08/12/2020	Updated Spill Response Flow Chart
03/09/2021	Updated; Appendix C Telephone Call List, Spill Response Flow Chart, removed Appendix B, added references to the online software Veoci used for spill reporting documentation.

1.0 POLICY STATEMENT

The Port of Portland (Port) will follow a standard set of procedures to quickly and efficiently respond to spills of hazardous and non-hazardous materials at the Portland International Airport (PDX). The Port's principal goals in establishing these procedures are to ensure that the public, PDX employees, tenants, and contractors (including those responding to spills) are protected from undue exposure to these materials, to protect the environment that may otherwise be impacted by these spills, to protect property, and to minimize operational disruptions caused by spills. This plan was developed to be consistent with the Port's Environmental Management System, PDX emergency response procedures and safety procedures.

2.0 PLAN PURPOSE

The PDX Spill Response Procedures (SRPs) were developed to provide a framework of emergency response efforts to address spills and accidental release of material within the Port boundaries. The PDX SRPs will detail the following:

- Roles, responsibilities, communication, and reporting procedures;
- spill response, cleanup, removal, and disposal procedures;
- training requirements; and
- equipment.

3.0 INTRODUCTION

3.1 Background – General

3.1.1 PDX is a multi-employer work site and each individual employer is the Responsible Party (RP) if their product is spilled/released or if their employee spills/ releases a material.

3.1.2 The most likely materials spilled/released at PDX and its surrounding jurisdiction are vehicle fluids, jet fuel, and sewage.

3.1.3 Tenants, airlines, construction contractors, and ground service companies account for the majority of historical spills/releases that have occurred at PDX and its surrounding jurisdiction.

3.1.4 The PDX Fire Department may provide initial incident command and control for spills/releases.

3.1.5 The PDX Environmental Operations Department is responsible for ensuring appropriate agency notification by tenants, airlines, construction contractors, and ground service companies.

3.1.6 The PDX Environmental Operations Department is responsible for the oversight of containment and cleanup of spills/releases, some of which may impact waterways and outfalls.

3.2 Geographic Jurisdiction of PDX Spill Response Plans

3.2.1 These SRPs apply to spills within the perimeter of PDX's facility fence, as well as Port property bordered by the Columbia Slough, I-205, Marine Drive, and 33rd Avenue, excluding the non-aviation portions of Portland International Center.

3.2.2 Under special circumstances, such as incidents significantly affecting the operation of the airport, the PDX SRPs may be implemented for spills in the Portland International Center (PIC) or on the Portland Air National Guard (PANG) base.

4.0 REGULATORY GUIDANCE

The procedures contained in this plan shall ensure compliance with the requirements of the following regulations:

- 29 CFR PART 1910.120 (OSHA) Hazardous Waste Operations and Emergency Response
- 40 CFR PART 117.3 (EPA) Determination of Reportable Quantities
- OAR 340, Division 142 (Oregon State) Oil and Hazardous Materials Emergency Response Requirements

- NFPA 407 (National Fire Protection Agency) Standard for Aircraft Fuel Servicing
- 40 CFR PART 300 (EPA) National Contingency Plan

5.0 SPILL DETERMINATION

In order to ensure compliance with all spill response regulatory guidance and to simplify responder callout procedures, two levels of spills have been developed – Emergency and Non-emergency. For the purposes of this plan, the definitions are as follows:

5.1 Emergency Spill

5.1.1 A spill or release of oil or hazardous material that covers an area over 50 ft^2 (about the size of a small bathroom, 10 feet x 5 feet) OR

5.1.2 a spill of a volume that exceeds the material's reportable quantity (see Appendix A). Note: The reportable quantity for petroleum products is 42 gallons; OR

5.1.3 a spill of an unknown material or material for which the RQ is not immediately known; OR

5.1.4 a spill or release of any hazardous material, in any quantity that may:

- Reach a drain, ditch, or underground water system;
- directly impact a waterway (includes rivers, streams, marshes, and creeks);
- impact PDX operations or roadways (e.g. requires shutting down traffic lanes, restrict access to essential operational areas or services);
- present a safety or health hazard; OR
- require response or cleanup assistance from personnel outside the immediate release area (such as Port Environmental Operations, Fire, or Operations; or outside Emergency Spill Response Contractors).

5.2 Non-emergency Spill

5.2.1 Spills that can be absorbed, neutralized, or otherwise controlled at the time of release by employees in the immediate release area, or by maintenance personnel; AND

5.2.2 do not pose any safety or health hazard; AND

5.2.3 have no potential to impact/ reach/ affect any waterway, drain, ditch, or underground water system.

5.2.4 Examples of spills that meet the above criteria and can be considered a non-emergency spill include:

- Small amounts of vehicle fluids (oil, radiator fluid, gasoline, diesel, brake fluid, etc.);
- biohazard/sewage spills that can be contained in the immediate area and are smaller than 50 ft^2 in total area;
- non-hazardous materials spills (materials that do not fall into the hazardous materials classification, is non-reactive and therefore not harmful to the environment);
- jet fuel spills that can be contained in the immediate area, will not spill into any drains, and are smaller than 50 ft^2 in total area or 42 gallons.

6.0 SPILL RESPONSE PROCEDURES

PDX Spill Response Procedures will be implemented in the event of any release or spill. The spill determination - emergency or non-emergency - as detailed above, will determine the appropriate personnel/agency response to the release.

In the event of a spill, general response actions include:

- Shut off the source of the spill immediately, if possible.
- Report the spill to the PDX Communications Center (503) 460-4000 and applicable agencies.

- Contain the spill using sorbent products appropriate for the spilled material, if possible. Use appropriate personal protective equipment.
- Cleanup and document the spill. Appropriately characterize and dispose of spill cleanup materials.

6.1 General

6.1.1 Judgment and Control Criteria for Spills & Emergency Response

- Non-emergency spills will be cleaned up by the RP. In the event that the RP is unwilling or unable to clean up the spill, PDX personnel or contractors will clean up the spill and the RP will be billed for the cleanup cost.

- The PDX Fire Department will be contacted and will initiate the Incident Command System (ICS), take initial control of all Emergency Spills, and determine if additional contract cleanup resources are required. The PDX Fire Department may relinquish Incident Command to another department or agency, as appropriate.

6.1.2 Containment, Cleanup, and Removal/Disposal

- Containment, cleanup, and removal/disposal of spills that occur in the Geographical Jurisdiction of these procedures per Section 3.2 will be executed and/or administered by the RP, with possible oversight by the PDX Fire Department, Environmental Operations Department, or PDX Airport Operations (Airside/Landside).

- Tenants, airlines, construction contractors, and service providers will be charged for the damage their spills cause to property (e.g., asphalt damage from fuel spills). They will also be charged for cleanup operations conducted on their behalf by the Port of Portland.

- Once the spill is contained by the RP or appropriate level of Port response personnel, the control of the incident will then be turned over to the City, PDX Airport Operations (Airside/Landside), or the PDX

Environmental Operations Department for cleanup operations, depending on where the spill occurred.

- Spill cleanup materials and spill debris from spills for which the Port is not responsible must be collected, stored, characterized and disposed of by the Responsible Party.

- If the Port is cleaning up the spill on behalf of the RP, spill cleanup materials shall be left with the RP. The Port may temporarily store cleanup materials in the Port's Hazardous Materials Building if the RP has not been determined.

6.2 Emergency Spill Response Contractors & Cleanup

6.2.1 Environmental Operations is the primary requestor of Emergency Spill Response Contractor support. For the majority of spills, Environmental Operations will be contacted by the Comm. Center and will make the determination about the need for contractor support.

6.2.2 In the case of a catastrophic spill that would require immediate spill management and control by a contractor, other responding groups may call the Comm. Center and request immediate contractor response for the containment and/or cleanup of the spill. These groups may include: PDX Fire, PDX Airport Operations (Airside/Landside), Maintenance or Police.

6.2.3 Spill Response Contractors are listed in Appendix C of these procedures.

6.3 Spill Response Chart

SPILL OCCURS AND IS IDENTIFIED AS*:	
NON-EMERGENCY SPILL	**EMERGENCY SPILL**
1. Responsible Party (RP) contains spill within immediate area with appropriate supplies on-hand.	1. The first party/person to discover the Emergency Spill will contact the Comm. Center at **503-460-4000** to report the spill. If able, containment protocols will be initiated.
2. RP will notify the Comm. Center at **503-460-4747** if assistance is required to contain or clean up the spill.	2. Comm. Center will dispatch PDX Fire to the scene and will notify Environmental Operations
3. RP will notify PDX Environmental Operations if Port-supplied equipment or material was utilized so supplies can be re-stocked.	3. PDX Fire responds to scene, begins/continues containment procedures; and assesses the type, amount, and possible impacts of the spill. Environmental Operations notifies Spill response contractor, if needed, and provides cleanup oversight. Environmental Operations will contact Deicing if appropriate.
4. RP maintains appropriate spill incident records and notifies regulatory agencies if appropriate.	4. RP maintains appropriate spill incident records and notifies regulatory agencies if appropriate.
5. Port Environmental Operations should get copies of the report, if appropriate.	5. Port Environmental Operations should get copies of the report.

* If in doubt as to the level of spill any first responder or responsible party (RP) may call the Comm. Center at **503-460-4747** for help in triaging the spill.

7.0 STAFF/AGENCY-SPECIFIC ROLES & RESPONSIBILITIES

7.1 PDX Airport Operations

- Contact the Comm. Center when an emergency spill is discovered, or when direction or assistance is required on a non-emergency spill;
- are provided with HazCom and Spill Response training for designated staff;
- assist in cleanup of non-emergency spills and emergency spills as directed by the Incident Commander and in accordance with equipment, training, and materials (when available);
- may request, through the Comm. Center, immediate contractor response for the containment and/or cleanup of catastrophic spills; and
- oversee RP cleanups as directed by PDX Environmental Operations;
- completes Veoci spill response report.

7.2 PDX Communication (Comm.) Center

- Serve as initial Port point of contact for receiving reports of emergency spills, or for non-emergency spills requiring direction or assistance; and
- triage all calls and dispatch the appropriate level of response personnel as requested or as needed for response and cleanup. See page (ii) for triage.

7.3 PDX Environmental Operations Department

- Develop, maintain, and review the PDX Spill Response Procedures and Program;
- maintain Environmental Operations staff for response to emergency and hazardous material spills;
- coordinate with the deicing wastewater plant operators (if applicable) with details so that deicing operations can protect the deicing system from cross contamination, help to contain the spill with the deicing

system infrastructure when possible, and protect the City of Portland Wastewater Treatment Plant from cross contamination;

- maintain required records for emergency and hazardous material spills;
- serve as liaison to regulatory agencies;
- prepare reports, documentation and maintain records as required by Port procedures and regulatory requirements;
- complete spill reports in Veoci for Port records required by various stormwater permits and the SPCC plan.
- arrange for appropriate training for employees, staff, and the PDX Fire Department for emergency and hazardous material spill response;
- provide guidance to tenants and contractors for spill response and cleanup when necessary; and
- contact Emergency Spill Response Contractors as needed.

7.4 PDX Deicing

- Respond to spill notifications, as appropriate to protect the deicing system from cross contamination, help to contain the spill with the deicing system infrastructure when possible, and protect the City of Portland Wastewater Treatment Plant from cross contamination.

7.5 PDX Fire

- Maintain and train PDX Fire Department staff for response to emergency and non-emergency spills;
- establish ICS for emergency spills;
- when appropriate, use defensive measures to contain and control emergency spills;
- assist in cleanup of emergency spills in accordance with equipment, training, and materials, as appropriate;
- notify PDX Environmental Operations Department and/or Emergency Spill Response Contractors, as appropriate; and

- complete appropriate documentation, reporting, and maintain records in accordance with Port procedures and regulatory requirements.

7.6 PDX Maintenance

- Contact the Comm. Center when an emergency spill is discovered, or when direction or assistance is required on a non-emergency spill;
- maintain and train the PDX Maintenance staff for awareness and response to emergency and non-emergency spills that impact Maintenance facilities and operations;
- respond to departmental emergency and non-emergency spills in accordance with this plan and within the scope of staff training and capabilities;
- assist in maintaining spill equipment and spill supply stock; and
- assist in cleanup of non-emergency spills and emergency spills as directed by the Incident Commander and in accordance with equipment, training, and materials (when available).

7.7 PDX Police

- Contact the Comm. Center when an emergency spill is discovered, or when direction or assistance is required on a non-emergency spill; and
- provide traffic and crowd control when requested.

7.8 All Port Employees

- Ensure all containers are clearly and properly labeled in order to support appropriate spill response (refer to the Port-wide Labeling Work Instruction for additional detail);
- contact the Comm. Center when an emergency spill is discovered, or when direction or assistance is required on a non-emergency spill;
- maintain HazCom and Spill Response training for designated staff; and
- cleanup or oversee the cleanup of incidental spills in their area.

7.9 PDX Tenants, Airlines, Construction Contractors, and Service Providers

- Contact the Comm. Center when an emergency spill is discovered, or when direction or assistance is required on a non-emergency spill;
- train appropriate personnel in accordance with HazCom requirements and the PDX Spill Response Procedures;
- maintain appropriate cleanup materials and equipment;
- maintain records of spill response actions; and
- report all regulated spills to the appropriate regulatory agencies in accordance with individual spill response plan.
- RP will notify PDX Environmental Operations what Port-supplied equipment or material was utilized so supplies can be tracked and re-stocked.

7.10 Emergency Spill Response Contractors

- Provide environmental response and cleanup services as requested; and
- maintain a response crew with PDX security access badges and appropriate training.

8.0 REGULATORY REPORTING REQUIREMENTS

8.1 Reportable Quantity (RQ)

8.0.1 As defined in OAR 340-142-0050 and 40 CFR Part 117.3. Spills and releases, or threatened spills of oil or hazardous materials in quantities equal or greater than the following amounts:

8.0.2 If spilled or discharged into waters of the state or in a location from which it is likely to escape into waters of the state any quantity of oil that would produce a visible film, sheen, oily slick, oily solids, or coat aquatic life, habitat or

property with oil, but excluding normal discharges from properly operating marine engines.

8.0.3 If spilled on the surface of the land, and not likely to escape into waters, any quantity of oil or petroleum product equal to or greater than 42 gallons.

8.1.4 An amount equal to or greater than the quantity of any hazardous substance listed in Appendix A.

8.2 Reporting Responsibilities

8.2.1 Tenants, Airlines, Construction Contractors, Service Providers will report any RQ to:

- The appropriate regulatory agency; AND
- the PDX Environmental Operations Department.

8.2.2 PDX Environmental Operations Department will:

- Notify the appropriate regulatory agency of regulated spills caused by the Port as well as those not reported by RPs, to the extent the Port has actual knowledge that it has not been reported.
- If the amount of oil or hazardous material meets or exceeds the reportable quantity in any 24-hour period, report the spill or release to the **Oregon Emergency Response System (1-800-452-0311 out-of-state, and 503-378-4124 in-state) AND the National Response Center, 1-800-424-8802.**
- If the quantity of oil or hazardous material meets or exceeds the quantity referenced in Appendix A, report the spill or release to the **Oregon Emergency Response System (1-800-452-0311 out-of-state, and 503-378-4124 in-state) AND the National Response Center, 1-800-424-8802.**

Note: A sheen on waters of the state or that emerges from the storm system outfall is reportable – regardless of the quantity released. If an Emergency Spill of oil reaches navigable waters of the United States, determine if a Federal On-Scene Coordinator (FOSC) will be designated and, if possible, coordinate all response actions through that FOSC.

9.0 TRAINING

9.1 Hazard Communication & Awareness Training - Non-emergency Spill

8.0.4 Appropriate PDX personnel, tenants, airlines, construction contractors, and service providers will receive Hazard Communication training in accordance with 29 CFR 1910.1200. They will also receive basic awareness training on the PDX Spill Response Procedures.

8.0.5 Personnel with this training can respond to and clean up any non-emergency spill.

9.2 Emergency/Hazardous Materials Spill Response Training

9.2.1 The PDX Fire Department and Environmental Operations Department will have training that meets the requirements of 29 CFR 1910.120 (q) for Hazardous Materials Awareness and Operations.

9.2.2 Incident Commanders will also have appropriate Incident Command training and 24- or 40-hour HAZWOPER training.

9.3 40-Hour HAZWOPER

9.3.1 PDX Emergency Response Contractors who conduct remediation or final cleanup of Emergency/Hazardous Material Spills must have 40-hour HAZWOPER training meeting the requirements of 29 CFR 1910.120 (e).

10.0 EQUIPMENT

10.1 Port-supplied Equipment & Material

10.1.2 PDX will purchase, maintain, and re-stock appropriate spill cleanup and containment equipment. These cleanup kits will include sorbent materials and a limited amount of PPE (boot covers, gloves, and disposable coveralls). The cleanup kits will be sited at secure locations for access by PDX personnel and Emergency Spill Response Contractors.

10.2.2 PDX also maintains a Spill Response Mobile Unit. This unit is located at the PDX Maintenance facility.

10.2 Tenant Equipment & Material

10.2.1 Tenants, airlines, construction contractors, and service providers are responsible for securing and maintaining the appropriate equipment for responding to and cleaning up spills they cause.

10.2.2 If they require the use of Port equipment, they will be billed for the cost of the materials.

10.2.3 Spill cleanup materials and debris must be stored and disposed of by the Responsible Party.

11.0 DEFINITIONS

- **Biohazard/Sewage Spills** are spills of raw sewage or other materials that may contain "Blood-borne Pathogens." OSHA defines "Blood-borne Pathogens" as pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include, but are not limited to, hepatitis B virus (HBV) and human immunodeficiency virus (HIV).

- **Communication (Comm.) Center** is located at PDX's main terminal and is the central call-taking and dispatch entity for PDX. The Communications Center can be reached at: Emergency 503-460-4000, Non-emergency 503-460–4747.

- **Cleanup Operation** in relation to Emergency & Hazardous Material Spills means an operation where hazardous substances are removed,

contained, incinerated, neutralized, stabilized, cleaned up, or in any other manner processed or handled with the ultimate goal of making the site safer for people or the environment.

- **Emergency/Hazardous Material Spill** means a spill that may impact a waterway or Port Operations or presents a potential safety or health hazard such as fire, explosion, or chemical exposure.

- **Emergency Response** means a response effort by employees from outside the immediate release area or by other designated responders (i.e., mutual aid groups, local fire departments, etc.) to an occurrence, which results or is likely to result in an Emergency/Hazardous Material Spill.

- **Emergency Response Contractors** are companies that have appropriately trained personnel and equipment to respond to and clean up Emergency/Hazardous Material Spills.

- **Environmental Receptors** at PDX are defined as areas potentially at risk for environmental contamination from a hazardous substance or petroleum product release. Environmental Receptors may include soil, groundwater, sediments, and surface waters of the Columbia Slough, storm drains, quiescent ponds, and retention ponds.

- **First Responder** is, in these procedures, the person who witnesses or discovers the spill. This person's primary responsibility is to clean up the spill, if practical. Also, the First Responder contacts the Communications Center when an Emergency/Hazardous Material or fuel spill is discovered, or when direction or assistance is required on a Non-emergency/Incidental Spill.

- **Hazard Communication** refers to the OSHA 29 CFR 1910.1200 Hazard Communication or Worker "Right-to-Know" law that includes chemical labeling, training, and work practice requirements.

- **Hazardous Material/Hazardous Substance** is a substance that may present a potential safety or health hazard, such as fire, explosion, or chemical exposure, and/or a substance defined as such by regulation.

- **Hazardous Materials Response (HAZMAT)** team is an organized group of employees with appropriate training and equipment who are expected to perform work to handle and control actual or potential leaks or spills of hazardous substances requiring possible close approach to the substance. The team members perform responses to

releases or potential releases of hazardous substances for the purpose of control or stabilization of the incident. PDX uses the Portland Fire Department HAZMAT team when necessary.

- **Incident Commander** is the individual responsible for coordinating the emergency response for Emergency/Hazardous Material Spills and determining if the spill is hazardous. Qualified individuals are trained in the Incident Command System and have at least completed the 24-hour Hazardous Waste Operations and Emergency Response training in accordance with the HAZWOPER standard, 29 CFR 1910.120 (q)(6).

- **Non-emergency/Incidental Spills** mean any spill that does not meet the definition of an "Emergency/Hazardous Material Spill".

- **Reportable Quantity (RQ)** is defined as the quantity of hazardous material or petroleum product that must be reported to EPA or DEQ if released into the environment. The reportable quantities of hazardous substances are specified in 40 CFR Part 117.3 (listing also included in Appendix A). In the case of oil or oil related products, DEQ regulations define a reportable quantity as any volume equal to or greater than 42 gallons of oil spilled on the ground surface, or if in water, any quantity. The specific reportable quantity may be determined from the material's material safety data sheet (MSDS).

- **Responsible Party (RP)** is defined as the individual or company whose operations or equipment caused the spill or release. If there is a dispute in determining the RP, the owner of the leasehold will be the default RP and subsequently responsible for the cleanup of the spill.

- **Veoci** is cloud hosted platform used by the Port to manage airport operations and various other programs. Electronic spill response report forms are completed within this application, https://veoci.com. All spill responders have an account to access and create spill reports.

- **Waterway Impact Spills** are any spills that may impact the water/environmental receptors.

- **40-hour HAZWOPER** refers to the Hazardous Waste Operations and Emergency Response training requirements detailed in 29 CFR 1910.120 (e) for environmental cleanup contractors.

Appendix A 40 CFR Part 117.3 Reportable Quantities of Hazardous Substance

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
A2213	30558431	4	U394	5000 (2270)
Acenaphthene	83-32-9	2		100 (45.4)
Acenaphthylene	208-96-8	2		5000 (2270)
Acetaldehyde	75-07-0	1,3,4	U001	1000 (454)
Acetaldehyde, chloro-	107-20-0	4	P023	1000 (454)
Acetaldehyde, trichloro-	75-87-6	4	U034	5000 (2270)
Acetamide	60-35-5	3		100 (45.4)
Acetamide, N-(aminothioxomethyl)-	591-08-2	4	P002	1000 (454)
Acetamide, N-(4-ethoxyphenyl)-	62-44-2	4	U187	100 (45.4)
Acetamide, N-9H-fluoren-2-yl-	53-96-3	3,4	U005	1 (0.454)
Acetamide, 2-fluoro-	640-19-7	4	P057	100 (45.4)
Acetic acid	64-19-7	1		5000 (2270)
Acetic acid, (2,4-dichlorophenoxy)-, salts & esters	94-75-7	1,3,4	U240	100 (45.4)
Acetic acid, ethyl ester	141-78-6	4	U112	5000 (2270)
Acetic acid, fluoro-, sodium salt	62-74-8	4	P058	10 (4.54)
Acetic acid, lead(2+) salt	301-04-2	1,4	U144	10 (4.54)
Acetic acid, thallium(1+) salt	563-68-8	4	U214	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	1,4	See F027	1000 (454)
Acetic anhydride	108-24-7	1		5000 (2270)
Acetone	67-64-1	4	U002	5000 (2270)
Acetone cyanohydrin	75-86-5	1,4	P069	10 (4.54)
Acetonitrile	75-05-8	3,4	U003	5000 (2270)
Acetophenone	98-86-2	3,4	U004	5000 (2270)
2-Acetylaminofluorene	53-96-3	3,4	U005	1 (0.454)
Acetyl bromide	506-96-7	1		5000 (2270)
Acetyl chloride	75-36-5	1,4	U006	5000 (2270)
1-Acetyl-2-thiourea	591-08-2	4	P002	1000 (454)
Acrolein	107-02-8	1,2,3,4	P003	1 (0.454)
Acrylamide	79-06-1	3,4	U007	5000 (2270)
Acrylic acid	79-10-7	3,4	U008	5000 (2270)
Acrylonitrile	107-13-1	1,2,3,4	U009	100 (45.4)
Adipic acid	124-04-9	1		5000 (2270)
Aldicarb	116-06-3	4	P070	1 (0.454)
Aldicarb sulfone	1646884	4	P203	100 (45.4)
Aldrin	309-00-2	1,2,4	P004	1 (0.454)
Allyl alcohol	107-18-6	1,4	P005	100 (45.4)
Allyl chloride	107-05-1	1,3		1000 (454)
Aluminum phosphide	20859-73-8	4	P006	100 (45.4)
Aluminum sulfate	10043-01-3	1		5000 (2270)
4-Aminobiphenyl	92-67-1	3		1 (0.454)
5-(Aminomethyl)-3-isoxazolol	2763-96-4	4	P007	1000 (454)
4-Aminopyridine	504-24-5	4	P008	1000 (454)
Amitrole	61-82-5	4	U011	10 (4.54)
Ammonia	7664-41-7	1		100 (45.4)
Ammonium acetate	631-61-8	1		5000 (2270)
Ammonium benzoate	1863-63-4	1		5000 (2270)
Ammonium bicarbonate	1066-33-7	1		5000 (2270)
Ammonium bichromate	7789-09-5	1		10 (4.54)
Ammonium bifluoride	1341-49-7	1		100 (45.4)
Ammonium bisulfite	10192-30-0	1		5000 (2270)
Ammonium carbamate	1111-78-0	1		5000 (2270)
Ammonium carbonate	506-87-6	1		5000 (2270)
Ammonium chloride	12125-02-9	1		5000 (2270)
Ammonium chromate	7788-98-9	1		10 (4.54)
Ammonium citrate, dibasic	3012-65-5	1		5000 (2270)
Ammonium fluoborate	13826-83-0	1		5000 (2270)
Ammonium fluoride	12125-01-8	1		100 (45.4)
Ammonium hydroxide	1336-21-6	1		1000 (454)
Ammonium oxalate	6009-70-7 5972-73-6 14258-49-2	1		5000 (2270)
Ammonium picrate	131-74-8	4	P009	10 (4.54)
Ammonium silicofluoride	16919-19-0	1		1000 (454)
Ammonium sulfamate	7773-06-0	1		5000 (2270)
Ammonium sulfide	12135-76-1	1		100 (45.4)
Ammonium sulfite	10196-04-0	1		5000 (2270)
Ammonium tartrate	14307-43-8 3164-29-2	1		5000 (2270)
Ammonium thiocyanate	1762-95-4	1		5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Ammonium vanadate	7803–55–6	4	P119	1000 (454)
Amyl acetate	628–63–7	1		5000 (2270)
iso-Amyl acetate	123–92–2			
sec-Amyl acetate	626–38–0			
tert-Amyl acetate	625–16–1			
Aniline	62–53–3	1,3,4	U012	5000 (2270)
o-Anisidine	90–04–0	3		100 (45.4)
Anthracene	120–12–7	2		5000 (2270)
Antimony††	7440–36–0	2		5000 (2270)
ANTIMONY AND COMPOUNDS	N.A.	2,3		**
Antimony Compounds	N.A.	2,3		**
Antimony pentachloride	7647–18–9	1		1000 (454)
Antimony potassium tartrate	28300–74–5	1		100 (45.4)
Antimony tribromide	7789–61–9	1		1000 (454)
Antimony trichloride	10025–91–9	1		1000 (454)
Antimony trifluoride	7783–56–4	1		1000 (454)
Antimony trioxide	1309–64–4	1		1000 (454)
Argentate(1-), bis(cyano-C)-, potassium	506–61–6	4	P099	1 (0.454)
Aroclor 1016	12674–11–2	1,2,3		1 (0.454)
Aroclor 1221	11104–28–2	1,2,3		1 (0.454)
Aroclor 1232	11141–16–5	1,2,3		1 (0.454)
Aroclor 1242	53469–21–9	1,2,3		1 (0.454)
Aroclor 1248	12672–29–6	1,2,3		1 (0.454)
Aroclor 1254	11097–69–1	1,2,3		1 (0.454)
Aroclor 1260	11096–82–5	1,2,3		1 (0.454)
Aroclors	1336–36–3	1,2,3		1 (0.454)
Arsenic††	7440–38–2	2,3		1 (0.454)
Arsenic acid H3AsO4	7778–39–4	4	P010	1 (0.454)
ARSENIC AND COMPOUNDS	N.A.	2,3		**
Arsenic Compounds (inorganic including arsine)	N.A.	2,3		**
Arsenic disulfide	1303–32–8	1		1 (0.454)
Arsenic oxide As2O3	1327–53–3	1,4	P012	1 (0.454)
Arsenic oxide As2O5	1303–28–2	1,4	P011	1 (0.454)
Arsenic pentoxide	1303–28–2	1,4	P011	1 (0.454)
Arsenic trichloride	7784–34–1	1		1 (0.454)
Arsenic trioxide	1327–53–3	1,4	P012	1 (0.454)
Arsenic trisulfide	1303–33–9	1		1 (0.454)
Arsine, diethyl-	692–42–2	4	P038	1 (0.454)
Arsinic acid, dimethyl-	75–60–5	4	U136	1 (0.454)
Arsonous dichloride, phenyl-	696–28–6	4	P036	1 (0.454)
Asbestos†††	1332–21–4	2,3		1 (0.454)
Auramine	492–80–8	4	U014	100 (45.4)
Azaserine	115–02–6	4	U015	1 (0.454)
Aziridine	151–56–4	3,4	P054	1 (0.454)
Aziridine, 2-methyl-	75–55–8	3,4	P067	1 (0.454)
Azirino[2',3':3,4]pyrrolo[1,2–a]indole-4,7-dione, 6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5- methyl-,[1aS-(1aalpha,8beta,8aalpha, 8balpha)]-	50–07–7	4	U010	10 (4.54)
Barban	101279	4	U280	10 (4.54)
Barium cyanide	542–62–1	1,4	P013	10 (4.54)
Bendiocarb	22781233	4	U278	100 (45.4)
Bendiocarb phenol	22961826	4	U364	1000 (454)
Benomyl	17804352	4	U271	10 (4.54)
Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-	56–49–5	4	U157	10 (4.54)
Benz[c]acridine	225–51–4	4	U016	100 (45.4)
Benzal chloride	98–87–3	4	U017	5000 (2270)
Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2propynyl)-	23950–58–5	4	U192	5000 (2270)
Benz[a]anthracene	56–55–3	2,4	U018	10 (4.54)
1,2-Benzanthracene	56–55–3	2,4	U018	10 (4.54)
Benz[a]anthracene, 7,12-dimethyl-	57–97–6	4	U094	1 (0.454)
Benzenamine	62–53–3	1,3,4	U012	5000 (2270)
Benzenamine, 4,4'-carbonimidoylbis (N,N dimethyl-	492–80–8	4	U014	100 (45.4)
Benzenamine, 4-chloro-	106–47–8	4	P024	1000 (454)
Benzenamine, 4-chloro-2-methyl-, hydrochloride	3165–93–3	4	U049	100 (45.4)
Benzenamine, N,N-dimethyl-4-(phenylazo)-	60–11–7	3,4	U093	10 (4.54)
Benzenamine, 2-methyl-	95–53–4	3,4	U328	100 (45.4)
Benzenamine, 4-methyl-	106–49–0	4	U353	100 (45.4)
Benzenamine, 4,4'-methylenebis [2-chloro-	101–14–4	3,4	U158	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Benzenamine, 2-methyl-,hydrochloride	636-21-5	4	U222	100 (45.4)
Benzenamine, 2-methyl-5-nitro-	99-55-8	4	U181	100 (45.4)
Benzenamine, 4-nitro-	100-01-6	4	P077	5000 (2270)
Benzene*	71-43-2	1,2,3,4	U019	10 (4.54)
Benzeneacetic acid, 4-chloro-α-(4-chlorophenyl)-α-hydroxy-, ethyl ester.	510-15-6	3,4	U038	10 (4.54)
Benzene, 1-bromo-4-phenoxy-	101-55-3	2,4	U030	100 (45.4)
Benzenebutanoic acid, 4-[bis(2- chloroethyl)amino)-	305-03-3	4	U035	10 (4.54)
Benzene, chloro-	108-90-7	1,2,3,4	U037	100 (45.4)
Benzene, (chloromethyl)-	100-44-7	1,3,4	P028	100 (45.4)
Benzenediamine, ar-methyl-	95-80-7	3,4	U221	10 (4.54)
	496-72-0			
	823-40-5			
	25376-45-8			
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117-81-7	2,3,4	U028	100 (45.4)
1,2-Benzenedicarboxylic acid, dibutyl ester	84-74-2	1,2,3,4	U069	10 (4.54)
1,2-Benzenedicarboxylic acid, diethyl ester	84-66-2	2,4	U088	1000 (454)
1,2-Benzenedicarboxylic acid, dimethyl ester	131-11-3	2,3,4	U102	5000 (2270)
1,2-Benzenedicarboxylic acid, dioctyl ester	117-84-0	2,4	U107	5000 (2270)
Benzene, 1,2-dichloro-	95-50-1	1,2,4	U070	100 (45.4)
Benzene, 1,3-dichloro-	541-73-1	2,4	U071	100 (45.4)
Benzene, 1,4-dichloro-	106-46-7	1,2,3,4	U072	100 (45.4)
Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-	72-54-8	1,2,4	U060	1 (0.454)
Benzene, (dichloromethyl)-	98-87-3	4	U017	5000 (2270)
Benzene, 1,3-diisocyanatomethyl-	91-08-7	3,4	U223	100 (45.4)
	584-84-9			
	26471-62-5			
Benzene, dimethyl-	1330-20-7	1,3,4	U239	100 (45.4)
1,3-Benzenediol	108-46-3	1,4	U201	5000 (2270)
1,2-Benzenediol,4-[1-hydroxy-2-(methyl amino)ethyl]-	51-43-4	4	P042	1000 (454)
Benzeneethanamine, alpha,alpha-dimethyl-	122-09-8	4	P046	5000 (2270)
Benzene, hexachloro-	118-74-1	2,3,4	U127	10 (4.54)
Benzene, hexahydro-	110-82-7	1,4	U056	1000 (454)
Benzene, methyl-	108-88-3	1,2,3,4	U220	1000 (454)
Benzene, 1-methyl-2,4-dinitro-	121-14-2	1,2,3,4	U105	10 (4.54)
Benzene, 2-methyl-1,3-dinitro-	606-20-2	1,2,4	U106	100 (45.4)
Benzene, (1-methylethyl)-	98-82-8	3,4	U055	5000 (2270)
Benzene, nitro-	98-95-3	1,2,3,4	U169	1000 (454)
Benzene, pentachloro-	608-93-5	4	U183	10 (4.54)
Benzene, pentachloronitro-	82-68-8	3,4	U185	100 (45.4)
Benzenesulfonic acid chloride	98-09-9	4	U020	100 (45.4)
Benzenesulfonyl chloride	98-09-9	4	U020	100 (45.4)
Benzene,1,2,4,5-tetrachloro-	95-94-3	4	U207	5000 (2270)
Benzenethiol	108-98-5	4	P014	100 (45.4)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-	50-29-3	1,2,4	U061	1 (0.454)
Benzene,1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	72-43-5	1,3,4	U247	1 (0.454)
Benzene, (trichloromethyl)-	98-07-7	3,4	U023	10 (4.54)
Benzene, 1,3,5-trinitro-	99-35-4	4	U234	10 (4.54)
Benzidine	92-87-5	2,3,4	U021	1 (0.454)
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts	81-07-2	4	U202	100 (45.4)
Benzo[a]anthracene	56-55-3	2,4	U018	10 (4.54)
1,3-Benzodioxole, 5-(1-propenyl)-1	120-58-1	4	U141	100 (45.4)
1,3-Benzodioxole, 5-(2-propenyl)-	94-59-7	4	U203	100 (45.4)
1,3-Benzodioxole, 5-propyl-	94-58-6	4	U090	10 (4.54)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-	22961826	4	U364	1000 (454)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate	22781233	4	U278	100 (45,4)
Benzo[b]fluoranthene	205-99-2	2		1 (0.454)
Benzo(k)fluoranthene	207-08-9	2		5000 (2270)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-	1563388	4	U367	10 (4.54)
7-Benzofuranol, 2,3-dihydro-2,2- dimethyl-, methylcarbamate.	1563-66-2	1,4	P127	10 (4.54)
Benzoic acid	65-85-0	1		5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1).	57647	4	P188	100 (45.4)
Benzonitrile	100-47-0	1		5000 (2270)
Benzo[rst]pentaphene	189-55-9	4	U064	10 (4.54)
Benzo[ghi]perylene	191-24-2	2		5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts.	81-81-2	4	P001 U248	100 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Benzo[a]pyrene	50–32–8	2,4	U022	1 (0.454)
3,4-Benzopyrene	50–32–8	2,4	U022	1 (0.454)
p-Benzoquinone	106–51–4	3,4	U197	10 (4.54)
Benzotrichloride	98–07–7	3,4	U023	10 (4.54)
Benzoyl chloride	98–88–4	1		1000 (454)
Benzyl chloride	100–44–7	1,3,4	P028	100 (45.4)
Beryllium ††	7440–41–7	2,3,4	P015	10 (4.54)
BERYLLIUM AND COMPOUNDS	N.A.	2,3		**
Beryllium chloride	7787–47–5	1		1 (0.454)
Beryllium compounds	N.A.	2,3		**
Beryllium fluoride	7787–49–7	1		1 (0.454)
Beryllium nitrate	13597–99–4	1		1 (0.454)
	7787–55–5			
Beryllium powder ††	7440–41–7	2,3,4	P015	10 (4.54)
alpha-BHC	319–84–6	2		10 (4.54)
beta-BHC	319–85–7	2		1 (0.454)
delta-BHC	319–86–8	2		1 (0.454)
gamma-BHC	58–89–9	1,2,3,4	U129	1 (0.454)
2,2'-Bioxirane	1464–53–5	4	U085	10 (4.54)
Biphenyl	92–52–4	3		100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine	92–87–5	2,3,4	U021	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	91–94–1	2,3,4	U073	1 (0.454)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-	119–90–4	3,4	U091	100 (45.4)
[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-	119–93–7	3,4	U095	10 (4.54)
Bis(2-chloroethoxy) methane	111–91–1	2,4	U024	1000 (454)
Bis(2-chloroethyl) ether	111–44–4	2,3,4	U025	10 (4.54)
Bis(chloromethyl) ether	542–88–1	2,3,4	P016	10 (4.54)
Bis(2-ethylhexyl) phthalate	117–81–7	3,4	U028	100 (45.4)
Bromoacetone	598–31–2	4	P017	1000 (454)
Bromoform	75–25–2	2,3,4	U225	100 (45.4)
Bromomethane	74–83–9	2,3,4	U029	1000 (454)
4-Bromophenyl phenyl ether	101–55–3	2,4	U030	100 (45.4)
Brucine	357–57–3	4	P018	100 (45.4)
1,3-Butadiene	106–99–0	3		10 (4.54)
1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	87–68–3	2,3,4	U128	1 (0.454)
1-Butanamine, N-butyl-N-nitroso-	924–16–3	4	U172	10 (4.54)
1-Butanol	71–36–3	4	U031	5000 (2270)
2-Butanone	78–93–3	3,4	U159	5000 (2270)
2-Butanone, 3,3-dimethyl-1(methylthio)-, O-[(methylamino)carbonyl] oxime.	39196–18–4	4	P045	100 (45.4)
2-Butanone peroxide	1338–23–4	4	U160	10 (4.54)
2-Butenal	123–73–9	1,4	U053	100 (45.4)
	4170–30–3			
2-Butene, 1,4-dichloro-	764–41–0	4	U074	1 (0.454)
2-Butenoic acid, 2-methyl-, 7-[[2,3-dihydroxy-2-(1-methoxyethyl)-3- methyl-1-oxobutoxy] methyl]-2,3, 5,7a-tetrahydro- 1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*),7aalpha]]-.	303–34–4	4	U143	10 (4.54)
Butyl acetate	123–86–4	1		5000 (2270)
iso-Butyl acetate	110–19–0			
sec-Butyl acetate	105–46–4			
tert-Butyl acetate	540–88–5			
n-Butyl alcohol	71–36–3	4	U031	5000 (2270)
Butylamine	109–73–9	1		1000 (454)
iso-Butylamine	78–81–9			
sec-Butylamine	513–49–5			
	13952–84–6			
tert-Butylamine	75–64–9			
Butyl benzyl phthalate	85–68–7	2		100 (45.4)
n-Butyl phthalate	84–74–2	1,2,3,4	U069	10 (4.54)
Butyric acid	107–92–6	1		5000 (2270)
iso-Butyric acid	79–31–2			
Cacodylic acid	75–60–5	4	U136	1 (0.454)
Cadmium ††	7440–43–9	2		10 (4.54)
Cadmium acetate	543–90–8	1		10 (4.54)
CADMIUM AND COMPOUNDS	N.A.	2,3		**
Cadmium bromide	7789–42–6	1		10 (4.54)
Cadmium chloride	10108–64–2	1		10 (4.54)
Cadmium compounds	N.A.	2,3		**

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Calcium arsenate	7778–44–1	1		1 (0.454)
Calcium arsenite	52740–16–6	1		1 (0.454)
Calcium carbide	75–20–7	1		10 (4.54)
Calcium chromate	13765–19–0	1,4	U032	10 (4.54)
Calcium cyanamide	156–62–7	3		1000 (454)
Calcium cyanide Ca(CN)2	592–01–8	1,4	P021	10 (4.54)
Calcium dodecylbenzenesulfonate	26264–06–2	1		1000 (454)
Calcium hypochlorite	7778–54–3	1		10 (4.54)
Captan	133–06–2	1,3		10 (4.54)
Carbamic acid, 1H-benzimidazol-2-yl, methyl ester	10605217	4	U372	10 (4.54)
Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-,methyl ester.	17804352	4	U271	10 (4.54)
Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester	101279	4	U280	10 (4.54)
Carbamic acid, [(dibutylamino)-thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester.	55285148	4	P189	1000 (454)
Carbamic acid, dimethyl-,1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester.	644644	4	P191	1 (0.454)
Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester.	119380	4	P192	100 (45.4)
Carbamic acid, ethyl ester	51–79–6	3,4	U238	100 (45.4)
Carbamic acid, methyl-, 3-methylphenyl ester	1129415	4	P190	1000 (454)
Carbamic acid, methylnitroso-, ethyl ester	615–53–2	4	U178	1 (0.454)
Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester.	23564058	4	U409	10 (4.54)
Carbamic acid, phenyl-, 1-methylethyl ester	122429	4	U373	1000 (454)
Carbamic chloride, dimethyl-	79–44–7	3,4	U097	1 (0.454)
Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters	111–54–6	4	U114	5000 (2270)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.	2303–16–4	4	U062	100 (45.4)
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester.	2303175	4	U389	100 (45.4)
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester	52888809	4	U387	5000 (2270)
Carbaryl	63–25–2	1,3,4	U279	100 (45.4)
Carbendazim	10605217	4	U372	10 (4.54)
Carbofuran	1563–66–2	1,4	P127	10 (4.54)
Carbofuran phenol	1563388	4	U367	10 (4.54)
Carbon disulfide	75–15–0	1,3,4	P022	100 (45.4)
Carbonic acid, dithallium(1+) salt	6533–73–9	4	U215	100 (45.4)
Carbonic dichloride	75–44–5	1,3,4	P095	10 (4.54)
Carbonic difluoride	353–50–4	4	U033	1000 (454)
Carbonochloridic acid, methyl ester	79–22–1	4	U156	1000 (454)
Carbon oxyfluoride	353–50–4	4	U033	1000 (454)
Carbon tetrachloride	56–23–5	1,2,3,4	U211	10 (4.54)
Carbonyl sulfide	463–58–1	3		100 (45.4)
Carbosulfan	55285148	4	P189	1000 (454)
Catechol	120–80–9	3		100 (45.4)
Chloral	75–87–6	4	U034	5000 (2270)
Chloramben	133–90–4	3		100 (45.4)
Chlorambucil	305–03–3	4	U035	10 (4.54)
Chlordane	57–74–9	1,2,3,4	U036	1 (0.454)
Chlordane, alpha & gamma isomers	57–74–9	1,2,3,4	U036	1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES).	57–74–9	1,2,3,4	U036	1 (0.454)
CHLORINATED BENZENES	N.A.	2		**
Chlorinated camphene	8001–35–2	1,2,3,4	P123	1 (0.454)
CHLORINATED ETHANES	N.A.	2		**
CHLORINATED NAPHTHALENE	N.A.	2		**
CHLORINATED PHENOLS	N.A.	2		**
Chlorine	7782–50–5	1,3		10 (4.54)
Chlornaphazine	494–03–1	4	U026	100 (45.4)
Chloroacetaldehyde	107–20–0	4	P023	1000 (454)
Chloroacetic acid	79–11–8	3		100 (45.4)
2-Chloroacetophenone	532–27–4	3		100 (45.4)
CHLOROALKYL ETHERS	N.A.	2		**
p-Chloroaniline	106–47–8	4	P024	1000 (454)
Chlorobenzene	108–90–7	1,2,3,4	U037	100 (45.4)
Chlorobenzilate	510–15–6	3,4	U038	10 (4.54)
p-Chloro-m-cresol	59–50–7	2,4	U039	5000 (2270)
Chlorodibromomethane	124–48–1	2		100 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
1-Chloro-2,3-epoxypropane	106–89–8	1,3,4	U041	100 (45.4)
Chloroethane	75–00–3	2,3		100 (45.4)
2-Chloroethyl vinyl ether	110–75–8	2,4	U042	1000 (454)
Chloroform	67–66–3	1,2,3,4	U044	10 (4.54)
Chloromethane	74–87–3	2,3,4	U045	100 (45.4)
Chloromethyl methyl ether	107–30–2	3,4	U046	10 (4.54)
beta-Chloronaphthalene	91–58–7	2,4	U047	5000 (2270)
2-Chloronaphthalene	91–58–7	2,4	U047	5000 (2270)
2-Chlorophenol	95–57–8	2,4	U048	100 (45.4)
o-Chlorophenol	95–57–8	2,4	U048	100 (45.4)
4-Chlorophenyl phenyl ether	7005–72–3	2		5000 (2270)
1-(o-Chlorophenyl)thiourea	5344–82–1	4	P026	100 (45.4)
Chloroprene	126–99–8	3		100 (45.4)
3-Chloropropionitrile	542–76–7	4	P027	1000 (454)
Chlorosulfonic acid	7790–94–5	1		1000 (454)
4-Chloro-o-toluidine, hydrochloride	3165–93–3	4	U049	100 (45.4)
Chlorpyrifos	2921–88–2	1		1 (0.454)
Chromic acetate	1066–30–4	1		1000 (454)
Chromic acid	11115–74–5	1		10 (4.54)
	7738–94–5			
Chromic acid H2CrO4, calcium salt	13765–19–0	1,4	U032	10 (4.54)
Chromic sulfate	10101–53–8	1		1000 (454)
Chromium††	7440–47–3	2		5000 (2270)
CHROMIUM AND COMPOUNDS	N.A.	2,3		**
Chromium Compounds	N.A.	2,3		**
Chromous chloride	10049–05–5	1		1000 (454)
Chrysene	218–01–9	2,4	U050	100 (45.4)
Cobalt Compounds	N.A.	3		**
Cobaltous bromide	7789–43–7	1		1000 (454)
Cobaltous formate	544–18–3	1		1000 (454)
Cobaltous sulfamate	14017–41–5	1		1000 (454)
Coke Oven Emissions	N.A.	3		1 (0.454)
Copper††	7440–50–8	2		5000 (2270)
COPPER AND COMPOUNDS	N.A.	2		**
Copper cyanide Cu(CN)	544–92–3	4	P029	10 (4.54)
Coumaphos	56–72–4	1		10 (4.54)
Creosote	N.A.	4	U051	1 (0.454)
Cresol (cresylic acid)	1319–77–3	1,3,4	U052	100 (45.4)
m-Cresol	108–39–4	3		100 (45.4)
o-Cresol	95–48–7	3		100 (45.4)
p-Cresol	106–44–5	3		100 (45.4)
Cresols (isomers and mixture)	1319–77–3	1,3,4	U052	100 (45.4)
Cresylic acid (isomers and mixture)	1319–77–3	1,3,4	U052	100 (45.4)
Crotonaldehyde	123–73–9	1,4	U053	100 (45.4)
	4170–30–3			
Cumene	98–82–8	3,4	U055	5000 (2270)
m-Cumenyl methylcarbamate	64006	4	P202	10 (4.54)
Cupric acetate	142–71–2	1		100 (45.4)
Cupric acetoarsenite	12002–03–8	1		1 (0.454)
Cupric chloride	7447–39–4	1		10 (4.54)
Cupric nitrate	3251–23–8	1		100 (45.4)
Cupric oxalate	5893–66–3	1		100 (45.4)
Cupric sulfate	7758–98–7	1		10 (4.54)
Cupric sulfate, ammoniated	10380–29–7	1		100 (45.4)
Cupric tartrate	815–82–7	1		100 (45.4)
Cyanide Compounds	N.A.	2,3		**
CYANIDES	N.A.	2,3		**
Cyanides (soluble salts and complexes) not otherwise specified.	N.A.	4	P030	10 (4.54)
Cyanogen	460–19–5	4	P031	100 (45.4)
Cyanogen bromide (CN)Br	506–68–3	4	U246	1000 (454)
Cyanogen chloride (CN)Cl	506–77–4	1,4	P033	10 (4.54)
2,5-Cyclohexadiene-1,4-dione	106–51–4	3,4	U197	10 (4.54)
Cyclohexane	110–82–7	1,4	U056	1000 (454)
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α, 2α, 3β–, 4α, 5α, 6β).	58–89–9	1,2,3,4	U129	1 (0.454)
Cyclohexanone	108–94–1	4	U057	5000 (2270)
2-Cyclohexyl-4,6-dinitrophenol	131–89–5	4	P034	100 (45.4)
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	77–47–4	1,2,3,4	U130	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Cyclophosphamide	50-18-0	4	U058	10 (4.54)
2,4-D Acid	94-75-7	1,3,4	U240	100 (45.4)
2,4-D Ester	94-11-1	1		100 (45.4)
	94-79-1			
	94-80-4			
	1320-18-9			
	1928-38-7			
	1928-61-6			
	1929-73-3			
	2971-38-2			
	25168-26-7			
	53467-11-1			
2,4-D, salts and esters	94-75-7	1,3,4	U240	100 (45.4)
Daunomycin	20830-81-3	4	U059	10 (4.54)
DDD	72-54-8	1,2,4	U060	1 (0.454)
4,4'-DDD	72-54-8	1,2,4	U060	1 (0.454)
DDE [b]	72-55-9	2		1 (0.454)
DDE [b]	3547-04-4	3		5000 (2270)
4,4'-DDE	72-55-9	2		1 (0.454)
DDT	50-29-3	1,2,4	U061	1 (0.454)
4,4'-DDT	50-29-3	1,2,4	U061	1 (0.454)
DDT AND METABOLITES	N.A.	2		**
DEHP	117-81-7	2,3,4	U028	100 (45.4)
Diallate	2303-16-4	4	U062	100 (45.4)
Diazinon	333-41-5	1		1 (0.454)
Diazomethane	334-88-3	3		100 (45.4)
Dibenz[a,h]anthracene	53-70-3	2,4	U063	1 (0.454)
1,2:5,6-Dibenzanthracene	53-70-3	2,4	U063	1 (0.454)
Dibenzo[a,h]anthracene	53-70-3	2,4	U063	1 (0.454)
Dibenzofuran	132-64-9	3		100 (45.4)
Dibenzo[a,i]pyrene	189-55-9	4	U064	10 (4.54)
1,2-Dibromo-3-chloropropane	96-12-8	3,4	U066	1 (0.454)
Dibromoethane	106-93-4	1,3,4	U067	1 (0.454)
Dibutyl phthalate	84-74-2	1,2,3,4	U069	10 (4.54)
Di-n-butyl phthalate	84-74-2	1,2,3,4	U069	10 (4.54)
Dicamba	1918-00-9	1		1000 (454)
Dichlobenil	1194-65-6	1		100 (45.4)
Dichlone	117-80-6	1		1 (0.454)
Dichlorobenzene	25321-22-6	1		100 (45.4)
1,2-Dichlorobenzene	95-50-1	1,2,4	U070	100 (45.4)
1,3-Dichlorobenzene	541-73-1	2,4	U071	100 (45.4)
1,4-Dichlorobenzene	106-46-7	1,2,3,4	U072	100 (45.4)
m-Dichlorobenzene	541-73-1	2,4	U071	100 (45.4)
o-Dichlorobenzene	95-50-1	1,2,4	U070	100 (45.4)
p-Dichlorobenzene	106-46-7	1,2,3,4	U072	100 (45.4)
DICHLOROBENZIDINE	N.A.	2		**
3,3'-Dichlorobenzidine	91-94-1	2,3,4	U073	1 (0.454)
Dichlorobromomethane	75-27-4	2		5000 (2270)
1,4-Dichloro-2-butene	764-41-0	4	U074	1 (0.454)
Dichlorodifluoromethane	75-71-8	4	U075	5000 (2270)
1,1-Dichloroethane	75-34-3	2,3,4	U076	1000 (454)
1,2-Dichloroethane	107-06-2	1,2,3,4	U077	100 (45.4)
1,1-Dichloroethylene	75-35-4	1,2,3,4	U078	100 (45.4)
1,2-Dichloroethylene	156-60-5	2,4	U079	1000 (454)
Dichloroethyl ether	111-44-4	2,3,4	U025	10 (4.54)
Dichloroisopropyl ether	108-60-1	2,4	U027	1000 (454)
Dichloromethane	75-09-2	2,3,4	U080	1000 (454)
Dichloromethoxyethane	111-91-1	2,4	U024	1000 (454)
Dichloromethyl ether	542-88-1	2,3,4	P016	10 (4.54)
2,4-Dichlorophenol	120-83-2	2,4	U081	100 (45.4)
2,6-Dichlorophenol	87-65-0	4	U082	100 (45.4)
Dichlorophenylarsine	696-28-6	4	P036	1 (0.454)
Dichloropropane	26638-19-7	1		1000 (454)
1,1-Dichloropropane	78-99-9			
1,3-Dichloropropane	142-28-9			
1,2-Dichloropropane	78-87-5	1,2,3,4	U083	1000 (454)
Dichloropropane—Dichloropropene (mixture)	8003-19-8	1		100 (45.4)
Dichloropropene	26952-23-8	1		100 (45.4)
2,3-Dichloropropene	78-88-6			

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
1,3-Dichloropropene	542–75–6	1,2,3,4	U084	100 (45.4)
2,2-Dichloropropionic acid	75–99–0	1		5000 (2270)
Dichlorvos	62–73–7	1,3		10 (4.54)
Dicofol	115–32–2	1		10 (4.54)
Dieldrin	60–57–1	1,2,4	P037	1 (0.454)
1,2:3,4-Diepoxybutane	1464–53–5	4	U085	10 (4.54)
Diethanolamine	111–42–2	3		100 (45.4)
Diethylamine	109–89–7	1		100 (45.4)
N,N-Diethylaniline	91–66–7	3		1000 (454)
Diethylarsine	692–42–2	4	P038	1 (0.454)
1,4-Diethyleneoxide	123–91–1	3,4	U108	100 (45.4)
Diethylene glycol, dicarbamate	5952261	4	U395	5000 (2270)
Diethylhexyl phthalate	117–81–7	2,3,4	U028	100 (45.4)
N,N'-Diethylhydrazine	1615–80–1	4	U086	10 (4.54)
O,O-Diethyl S-methyl dithiophosphate	3288–58–2	4	U087	5000 (2270)
Diethyl-p-nitrophenyl phosphate	311–45–5	4	P041	100 (45.4)
Diethyl phthalate	84–66–2	2,4	U088	1000 (454)
O,O-Diethyl O-pyrazinyl phosphorothioate	297–97–2	4	P040	100 (45.4)
Diethylstilbestrol	56–53–1	4	U089	1 (0.454)
Diethyl sulfate	64–67–5	3		10 (4.54)
Dihydrosafrole	94–58–6	4	U090	10 (4.54)
Diisopropylfluorophosphate (DFP)	55–91–4	4	P043	100 (45.4)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha, 8alpha,8abeta)-.	309–00–2	1,2,4	P004	1 (0.454)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta, 5beta,8beta,8abeta)-.	465–73–6	4	P060	1 (0.454)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2beta, 2aalpha,3beta,6beta,6aalpha, 7beta,7aalpha)-.	60–57–1	1,2,4	P037	1 (0.454)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene,3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2beta, 2abeta,3alpha,6alpha, 6abeta,7beta,7aalpha)-, & metabolites.	72–20–8	1,2,4	P051	1 (0.454)
Dimethoate	60–51–5	4	P044	10 (4.54)
3,3'-Dimethoxybenzidine	119–90–4	3,4	U091	100 (45.4)
Dimethylamine	124–40–3	1,4	U092	1000 (454)
Dimethyl aminoazobenzene	60–11–7	3,4	U093	10 (4.54)
p-Dimethylaminoazobenzene	60–11–7	3,4	U093	10 (4.54)
N,N-Dimethylaniline	121–69–7	3		100 (45.4)
7,12-Dimethylbenz[a]anthracene	57–97–6	4	U094	1 (0.454)
3,3'-Dimethylbenzidine	119–93–7	3,4	U095	10 (4.54)
alpha,alpha-Dimethylbenzylhydroperoxide	80–15–9	4	U096	10 (4.54)
Dimethylcarbamoyl chloride	79–44–7	3,4	U097	1 (0.454)
Dimethylformamide	68–12–2	3		100 (45.4)
1,1-Dimethylhydrazine	57–14–7	3,4	U098	10 (4.54)
1,2-Dimethylhydrazine	540–73–8	4	U099	1 (0.454)
alpha,alpha-Dimethylphenethylamine	122–09–8	4	P046	5000 (2270)
2,4-Dimethylphenol	105–67–9	2,4	U101	100 (45.4)
Dimethyl phthalate	131–11–3	2,3,4	U102	5000 (2270)
Dimethyl sulfate	77–78–1	3,4	U103	100 (45.4)
Dimetilan	644644	4	P191	1 (0.454)
Dinitrobenzene (mixed)	25154–54–5	1		100 (45.4)
m-Dinitrobenzene	99–65–0			
o-Dinitrobenzene	528–29–0			
p-Dinitrobenzene	100–25–4			
4,6-Dinitro-o-cresol, and salts	534–52–1	2,3,4	P047	10 (4.54)
Dinitrophenol	25550–58–7	1		10 (4.54)
2,5-Dinitrophenol	329–71–5			
2,6-Dinitrophenol	573–56–8			
2,4-Dinitrophenol	51–28–5	1,2,3,4	P048	10 (4.54)
Dinitrotoluene	25321–14–6	1,2		10 (4.54)
3,4-Dinitrotoluene	610–39–9			
2,4-Dinitrotoluene	121–14–2	1,2,3,4	U105	10 (4.54)
2,6-Dinitrotoluene	606–20–2	1,2,4	U106	100 (45.4)
Dinoseb	88–85–7	4	P020	1000 (454)
Di-n-octyl phthalate	117–84–0	2,4	U107	5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
1,4-Dioxane	123–91–1	3,4	U108	100 (45.4)
DIPHENYLHYDRAZINE	N.A.	2		**
1,2-Diphenylhydrazine	122–66–7	2,3,4	U109	10 (4.54)
Diphosphoramide, octamethyl-	152–16–9	4	P085	100 (45.4)
Diphosphoric acid, tetraethyl ester	107–49–3	1,4	P111	10 (4.54)
Dipropylamine	142–84–7	4	U110	5000 (2270)
Di-n-propylnitrosamine	621–64–7	2,4	U111	10 (4.54)
Diquat	85–00–7	1		1000 (454)
	2764–72–9			
Disulfoton	298–04–4	1,4	P039	1 (0.454)
Dithiobiuret	541–53–7	4	P049	100 (45.4)
1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime.	26419738	4	P185	100 (45.4)
Diuron	330–54–1	1		100 (45.4)
Dodecylbenzenesulfonic acid	27176–87–0	1		1000 (454)
Endosulfan	115–29–7	1,2,4	P050	1 (0.454)
alpha-Endosulfan	959–98–8	2		1 (0.454)
beta-Endosulfan	33213–65–9	2		1 (0.454)
ENDOSULFAN AND METABOLITES	N.A.	2		**
Endosulfan sulfate	1031–07–8	2		1 (0.454)
Endothall	145–73–3	4	P088	1000 (454)
Endrin	72–20–8	1,2,4	P051	1 (0.454)
Endrin aldehyde	7421–93–4	2		1 (0.454)
ENDRIN AND METABOLITES	N.A.	2		**
Endrin, & metabolites	72–20–8	1,2,4	P051	1 (0.454)
Epichlorohydrin	106–89–8	1,3,4	U041	100 (45.4)
Epinephrine	51–43–4	4	P042	1000 (454)
1,2-Epoxybutane	106–88–7	3		100 (45.4)
Ethanal	75–07–0	1,3,4	U001	1000 (454)
Ethanamine, N,N-diethyl-	121–44–8	1,3,4	U404	5000 (2270)
Ethanamine, N-ethyl-N-nitroso-	55–18–5	4	U174	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N'-2- pyridinyl-N'-(2-thienylmethyl)-.	91–80–5	4	U155	5000 (2270)
Ethane, 1,2-dibromo-	106–93–4	1,3,4	U067	1 (0.454)
Ethane, 1,1-dichloro-	75–34–3	2,3,4	U076	1000 (454)
Ethane, 1,2-dichloro-	107–06–2	1,2,3,4	U077	100 (45.4)
Ethanedinitrile	460–19–5	4	P031	100 (45.4)
Ethane, hexachloro-	67–72–1	2,3,4	U131	100 (45.4)
Ethane, 1,1'-[methylenebis(oxy)]bis[2- chloro-	111–91–1	2,4	U024	1000 (454)
Ethane, 1,1'-oxybis-	60–29–7	4	U117	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-	111–44–4	2,3,4	U025	10 (4.54)
Ethane, pentachloro-	76–01–7	4	U184	10 (4.54)
Ethane, 1,1,1,2-tetrachloro-	630–20–6	4	U208	100 (45.4)
Ethane, 1,1,2,2-tetrachloro-	79–34–5	2,3,4	U209	100 (45.4)
Ethanethioamide	62–55–5	4	U218	10 (4.54)
Ethane, 1,1,1-trichloro-	71–55–6	2,3,4	U226	1000 (454)
Ethane, 1,1,2-trichloro-	79–00–5	2,3,4	U227	100 (45.4)
Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester.	30558431	4	U394	5000 (2270)
Ethanimidothioic acid, 2-(dimethylamino)-N-[[(methylamino]carbonyl]oxy]-2-oxo-, methyl ester.	23135220	4	P194	100 (45.4)
Ethanimidothioic acid, N-[[(methylamino) carbonyl]oxy]-, methyl ester.	16752–77–5	4	P066	100 (45.4)
Ethanimidothioic acid, N,N'- [thiobis[(methylimino) carbonyloxy]]bis-, dimethyl ester.	59669260	4	U410	100 (45.4)
Ethanol, 2-ethoxy-	110–80–5	4	U359	1000 (454)
Ethanol, 2,2'-(nitrosoimino)bis-	1116–54–7	4	U173	1 (0.454)
Ethanol, 2,2'-oxybis-, dicarbamate	5952261	4	U395	5000 (2270)
Ethanone, 1-phenyl-	98–86–2	3,4	U004	5000 (2270)
Ethene, chloro-	75–01–4	2,3,4	U043	1 (0.454)
Ethene, (2-chloroethoxy)-	110–75–8	2,4	U042	1000 (454)
Ethene, 1,1-dichloro-	75–35–4	1,2,3,4	U078	100 (45.4)
Ethene, 1,2-dichloro-(E)	156–60–5	2,4	U079	1000 (454)
Ethene, tetrachloro-	127–18–4	2,3,4	U210	100 (45.4)
Ethene, trichloro-	79–01–6	1,2,3,4	U228	100 (45.4)
Ethion	563–12–2	1		10 (4.54)
Ethyl acetate	141–78–6	4	U112	5000 (2270)
Ethyl acrylate	140–88–5	3,4	U113	1000 (454)
Ethylbenzene	100–41–4	1,2,3		1000 (454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Ethyl carbamate	51–79–6	3,4	U238	100 (45.4)
Ethyl chloride	75–00–3	2,3		100 (45.4)
Ethyl cyanide	107–12–0	4	P101	10 (4.54)
Ethylenebisdithiocarbamic acid, salts & esters	111–54–6	4	U114	5000 (2270)
Ethylenediamine	107–15–3	1		5000 (2270)
Ethylenediamine-tetraacetic acid (EDTA)	60–00–4	1		5000 (2270)
Ethylene dibromide	106–93–4	1,3,4	U067	1 (0.454)
Ethylene dichloride	107–06–2	1,2,3,4	U077	100 (45.4)
Ethylene glycol	107–21–1	3		5000 (2270)
Ethylene glycol monoethyl ether	110–80–5	4	U359	1000 (454)
Ethylene oxide	75–21–8	3,4	U115	10 (4.54)
Ethylenethiourea	96–45–7	3,4	U116	10 (4.54)
Ethylenimine	151–56–4	3,4	P054	1 (0.454)
Ethyl ether	60–29–7	4	U117	100 (45.4)
Ethylidene dichloride	75–34–3	2,3,4	U076	1000 (454)
Ethyl methacrylate	97–63–2	4	U118	1000 (454)
Ethyl methanesulfonate	62–50–0	4	U119	1 (0.454)
Famphur	52–85–7	4	P097	1000 (454)
Ferric ammonium citrate	1185–57–5	1		1000 (454)
Ferric ammonium oxalate	2944–67–4 55488–87–4	1		1000 (454)
Ferric chloride	7705–08–0	1		1000 (454)
Ferric fluoride	7783–50–8	1		100 (45.4)
Ferric nitrate	10421–48–4	1		1000 (454)
Ferric sulfate	10028–22–5	1		1000 (454)
Ferrous ammonium sulfate	10045–89–3	1		1000 (454)
Ferrous chloride	7758–94–3	1		100 (45.4)
Ferrous sulfate	7720–78–7 7782– 63–0	1		1000 (454)
Fine mineral fibers[c]	N.A.	3		**
Fluoranthene	206–44–0	2,4	U120	100 (45.4)
Fluorene	86–73–7	2		5000 (2270)
Fluorine	7782–41–4	4	P056	10 (4.54)
Fluoroacetamide	640–19–7	4	P057	100 (45.4)
Fluoroacetic acid, sodium salt	62–74–8	4	P058	10 (4.54)
Formaldehyde	50–00–0	1,3,4	U122	100 (45.4)
Formetanate hydrochloride	23422539	4	P198	100 (45.4)
Formic acid	64–18–6	1,4	U123	5000 (2270)
Formparanate	17702577	4	P197	100 (45.4)
Fulminic acid, mercury(2+)salt	628–86–4	4	P065	10 (4.54)
Fumaric acid	110–17–8	1		5000 (2270)
Furan	110–00–9	4	U124	100 (45.4)
2-Furancarboxaldehyde	98–01–1	1,4	U125	5000 (2270)
2,5-Furandione	108–31–6	1,3,4	U147	5000 (2270)
Furan, tetrahydro-	109–99–9	4	U213	1000 (454)
Furfural	98–01–1	1,4	U125	5000 (2270)
Furfuran	110–00–9	4	U124	100 (45.4)
Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-,D-	18883–66–4	4	U206	1 (0.454)
D-Glucose, 2-deoxy-2-[[(methylnitrosoamino)-carbonyl]amino]-.	18883–66–4	4	U206	1 (0.454)
Glycidylaldehyde	765–34–4	4	U126	10 (4.54)
Glycol ethers[d]	N.A.	3		**
Guanidine, N-methyl-N'-nitro-N-nitroso-	70–25–7	4	U163	10 (4.54)
Guthion	86–50–0	1		1 (0.454)
HALOETHERS	N.A.	2		**
HALOMETHANES	N.A.	2		**
Heptachlor	76–44–8	1,2,3,4	P059	1 (0.454)
HEPTACHLOR AND METABOLITES	N.A.	2		**
Heptachlor epoxide	1024–57–3	2		1 (0.454)
Hexachlorobenzene	118–74–1	2,3,4	U127	10 (4.54)
Hexachlorobutadiene	87–68–3	2,3,4	U128	1 (0.454)
HEXACHLOROCYCLOHEXANE (all isomers)	608–73–1	2		**
Hexachlorocyclopentadiene	77–47–4	1,2,3,4	U130	10 (4.54)
Hexachloroethane	67–72–1	2,3,4	U131	100 (45.4)
Hexachlorophene	70–30–4	4	U132	100 (45.4)
Hexachloropropene	1888–71–7	4	U243	1000 (454)
Hexaethyl tetraphosphate	757–58–4	4	P062	100 (45.4)
Hexamethylene-1,6–diisocyanate	822–06–0	3		100 (45.4)
Hexamethylphosphoramide	680–31–9	3		1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Hexane	110–54–3	3		5000 (2270)
Hexone	108–10–1	3,4	U161	5000 (2270)
Hydrazine	302–01–2	3,4	U133	1 (0.454)
Hydrazinecarbothioamide	79–19–6	4	P116	100 (45.4)
Hydrazine, 1,2-diethyl-	1615–80–1	4	U086	10 (4.54)
Hydrazine, 1,1-dimethyl-	57–14–7	3,4	U098	10 (4.54)
Hydrazine, 1,2-dimethyl-	540–73–8	4	U099	1 (0.454)
Hydrazine, 1,2-diphenyl-	122–66–7	2,3,4	U109	10 (4.54)
Hydrazine, methyl-	60–34–4	3,4	P068	10 (4.54)
Hydrochloric acid	7647–01–0	1,3		5000 (2270)
Hydrocyanic acid	74–90–8	1,4	P063	10 (4.54)
Hydrofluoric acid	7664–39–3	1,3,4	U134	100 (45.4)
Hydrogen chloride	7647–01–0	1,3		5000 (2270)
Hydrogen cyanide	74–90–8	1,4	P063	10 (4.54)
Hydrogen fluoride	7664–39–3	1,3,4	U134	100 (45.4)
Hydrogen phosphide	7803–51–2	3,4	P096	100 (45.4)
Hydrogen sulfide H2S	7783–06–4	1,4	U135	100 (45.4)
Hydroperoxide, 1-methyl-1-phenylethyl-	80–15–9	4	U096	10 (4.54)
Hydroquinone	123–31–9	3		100 (45.4)
2-Imidazolidinethione	96–45–7	3,4	U116	10 (4.54)
Indeno(1,2,3-cd)pyrene	193–39–5	2,4	U137	100 (45.4)
Iodomethane	74–88–4	3,4	U138	100 (45.4)
1,3-Isobenzofurandione	85–44–9	3,4	U190	5000 (2270)
Isobutyl alcohol	78–83–1	4	U140	5000 (2270)
Isodrin	465–73–6	4	P060	1 (0.454)
Isolan	119380	4	P192	100 (45.4)
Isophorone	78–59–1	2,3		5000 (2270)
Isoprene	78–79–5	1		100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	42504–46–1	1		1000 (454)
3-Isopropylphenyl N-methylcarbamate	64006	4	P202	10 (4.54)
Isosafrole	120–58–1	4	U141	100 (45.4)
3(2H)-Isoxazolone, 5-(aminomethyl)-	2763–96–4	4	P007	1000 (454)
Kepone	143–50–0	1,4	U142	1 (0.454)
Lasiocarpine	303–34–4	4	U143	10 (4.54)
Lead††	7439–92–1	2		10 (4.54)
Lead acetate	301–04–2	1,4	U144	10 (4.54)
LEAD AND COMPOUNDS	N.A.	2,3		**
Lead arsenate	7784–40–9	1		1 (0.454)
	7645–25–2			
	10102–48–4			
Lead, bis(acetato-O)tetrahydroxytri-	1335–32–6	4	U146	10 (4.54)
Lead chloride	7758–95–4	1		10 (4.54)
Lead compounds	N.A.	2,3		**
Lead fluoborate	13814–96–5	1		10 (4.54)
Lead fluoride	7783–46–2	1		10 (4.54)
Lead iodide	10101–63–0	1		10 (4.54)
Lead nitrate	10099–74–8	1		10 (4.54)
Lead phosphate	7446–27–7	4	U145	10 (4.54)
Lead stearate	1072–35–1	1		10 (4.54)
	7428–48–0			
	52652–59–2			
	56189–09–4			
Lead subacetate	1335–32–6	4	U146	10 (4.54)
Lead sulfate	7446–14–2	1		10 (4.54)
	15739–80–7			
Lead sulfide	1314–87–0	1		10 (4.54)
Lead thiocyanate	592–87–0	1		10 (4.54)
Lindane	58–89–9	1,2,3,4	U129	1 (0.454)
Lindane (all isomers)	58–89–9	1,2,3,4	U129	1 (0.454)
Lithium chromate	14307–35–8	1		10 (4.54)
Malathion	121–75–5	1		100 (45.4)
Maleic acid	110–16–7	1		5000 (2270)
Maleic anhydride	108–31–6	1,3,4	U147	5000 (2270)
Maleic hydrazide	123–33–1	4	U148	5000 (2270)
Malononitrile	109–77–3	4	U149	1000 (454)
Manganese, bis (dimethylcarbamodithioato-S,S')-	15339363	4	P196	10 (4.54)
Manganese Compounds	N.A.	3		**
Manganese dimethyldithiocarbamate	15339363	4	P196	10 (4.54)
MDI	101–68–8	3		5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
MEK	78–93–3	3,4	U159	5000 (2270)
Melphalan	148–82–3	4	U150	1 (0.454)
Mercaptodimethur	2032–65–7	1,4	P199	10 (4.54)
Mercuric cyanide	592–04–1	1		1(0.454)
Mercuric nitrate	10045–94–0	1		10 (4.54)
Mercuric sulfate	7783–35–9	1		10 (4.54)
Mercuric thiocyanate	592–85–8	1		10 (4.54)
Mercurous nitrate	10415–75–5	1	10 (4.54)	7782–86–7
Mercury	7439–97–6	2,3,4	U151	1 (0.454)
MERCURY AND COMPOUNDS	N.A.	2,3		**
Mercury, (acetato-O)phenyl-	62–38–4	4	P092	100 (45.4)
Mercury Compounds	N.A.	2,3		**
Mercury fulminate	628–86–4	4	P065	10 (4.54)
Methacrylonitrile	126–98–7	4	U152	1000 (454)
Methanamine, N-methyl-	124–40–3	1,4	U092	1000 (454)
Methanamine, N-methyl-N-nitroso-	62–75–9	2,3,4	P082	10 (4.54)
Methane, bromo-	74–83–9	2,3,4	U029	1000 (454)
Methane, chloro-	74–87–3	2,3,4	U045	100 (45.4)
Methane, chloromethoxy-	107–30–2	3,4	U046	10 (4.54)
Methane, dibromo-	74–95–3	4	U068	1000 (454)
Methane, dichloro-	75–09–2	2,3,4	U080	1000 (454)
Methane, dichlorodifluoro-	75–71–8	4	U075	5000 (2270)
Methane, iodo-	74–88–4	3,4	U138	100 (45.4)
Methane, isocyanato-	624–83–9	3,4	P064	10 (4.54)
Methane, oxybis(chloro-	542–88–1	2,3,4	P016	10 (4.54)
Methanesulfenyl chloride, trichloro-	594–42–3	4	P118	100 (45.4)
Methanesulfonic acid, ethyl ester	62–50–0	4	U119	1 (0.454)
Methane, tetrachloro-	56–23–5	1,2,3,4	U211	10 (4.54)
Methane, tetranitro-	509–14–8	4	P112	10 (4.54)
Methanethiol	74–93–1	1,4	U153	100 (45.4)
Methane, tribromo-	75–25–2	2,3,4	U225	100 (45.4)
Methane, trichloro-	67–66–3	1,2,3,4	U044	10 (4.54)
Methane, trichlorofluoro-	75–69–4	4	U121	5000 (2270)
Methanimidamide, N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride.	23422539	4	P198	100 (45.4)
Methanimidamide, N,N-dimethyl-N'-[2-methyl-4-[[(methylamino) carbonyl]oxy]phenyl]-.	17702577	4	P197	100 (45.4)
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.	115–29–7	1,2,4	P050	1 (0.454)
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-.	76–44–8	1,2,3,4	P059	1 (0.454)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro—.	57–74–9	1,2,3,4	U036	1 (0.454)
Methanol	67–56–1	3,4	U154	5000 (2270)
Methapyrilene	91–80–5	4	U155	5000 (2270)
1,3,4-Metheno-2H-cyclobuta[cd]pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-.	143–50–0	1,4	U142	1 (0.454)
Methiocarb	2032–65–7	1,4	P199	10 (4.54)
Methomyl	16752–77–5	4	P066	100 (45.4)
Methoxychlor	72–43–5	1,3,4	U247	1 (0.454)
Methyl alcohol	67–56–1	3,4	U154	5000 (2270)
2-Methyl aziridine	75–55–8	3,4	P067	1 (0.454)
Methyl bromide	74–83–9	2,3,4	U029	1000 (454)
1-Methylbutadiene	504–60–9	4	U186	100 (45.4)
Methyl chloride	74–87–3	2,3,4	U045	100 (45.4)
Methyl chlorocarbonate	79–22–1	4	U156	1000 (454)
Methyl chloroform	71–55–6	2,3,4	U226	1000 (454)
3-Methylcholanthrene	56–49–5	4	U157	10 (4.54)
4,4'-Methylenebis(2-chloroaniline)	101–14–4	3,4	U158	10 (4.54)
Methylene bromide	74–95–3	4	U068	1000 (454)
Methylene chloride	75–09–2	2,3,4	U080	1000 (454)
4,4'-Methylenedianiline	101–77–9	3		10 (4.54)
Methylene diphenyl diisocyanate	101–68–8	3		5000 (2270)
Methyl ethyl ketone	78–93–3	3,4	U159	5000 (2270)
Methyl ethyl ketone peroxide	1338–23–4	4	U160	10 (4.54)
Methyl hydrazine	60–34–4	3,4	P068	10 (4.54)
Methyl iodide	74–88–4	3,4	U138	100 (45.4)
Methyl isobutyl ketone	108–10–1	3,4	U161	5000 (2270)
Methyl isocyanate	624–83–9	3,4	P064	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
2-Methyllactonitrile	75-86-5	1,4	P069	10 (4.54)
Methyl mercaptan	74-93-1	1,4	U153	100 (45.4)
Methyl methacrylate	80-62-6	1,3,4	U162	1000 (454)
Methyl parathion	298-00-0	1,4	P071	100 (45.4)
4-Methyl-2-pentanone	108-10-1	3,4	U161	5000 (2270)
Methyl tert-butyl ether	1634-04-4	3		1000 (454)
Methylthiouracil	56-04-2	4	U164	10 (4.54)
Metolcarb	1129415	4	P190	1000 (454)
Mevinphos	7786-34-7	1		10 (4.54)
Mexacarbate	315-18-4	1,4	P128	1000 (454)
Mitomycin C	50-07-7	4	U010	10 (4.54)
MNNG	70-25-7	4	U163	10 (4.54)
Monoethylamine	75-04-7	1		100 (45.4)
Monomethylamine	74-89-5	1		100 (45.4)
Naled	300-76-5	1		10 (4.54)
5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	20830-81-3	4	U059	10 (4.54)
1-Naphthalenamine	134-32-7	4	U167	100 (45.4)
2-Naphthalenamine	91-59-8	4	U168	10 (4.54)
Naphthalenamine, N,N'-bis(2-chloroethyl)-	494-03-1	4	U026	100 (45.4)
Naphthalene	91-20-3	1,2,3,4	U165	100 (45.4)
Naphthalene, 2-chloro-	91-58-7	2,4	U047	5000 (2270)
1,4-Naphthalenedione	130-15-4	4	U166	5000 (2270)
2,7-Naphthalenedisulfonic acid, 3,3'-[(3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt.	72-57-1	4	U236	10 (4.54)
1-Naphthalenol, methylcarbamate	63-25-2	1,3,4	U279	100 (45.4)
Naphthenic acid	1338-24-5	1		100 (45.4)
1,4-Naphthoquinone	130-15-4	4	U166	5000 (2270)
alpha-Naphthylamine	134-32-7	4	U167	100 (45.4)
beta-Naphthylamine	91-59-8	4	U168	10 (4.54)
alpha-Naphthylthiourea	86-88-4	4	P072	100 (45.4)
Nickel††	7440-02-0	2		100 (45.4)
Nickel ammonium sulfate	15699-18-0	1		100 (45.4)
NICKEL AND COMPOUNDS	N.A.	2,3		**
Nickel carbonyl Ni(CO)4, (T-4)-	13463-39-3	4	P073	10 (4.54)
Nickel chloride	7718-54-9	1		100 (45.4)
	37211-05-5			
Nickel compounds	N.A.	2,3		**
Nickel cyanide Ni(CN)2	557-19-7	4	P074	10 (4.54)
Nickel hydroxide	12054-48-7	1		10 (4.54)
Nickel nitrate	14216-75-2	1		100 (45.4)
Nickel sulfate	7786-81-4	1		100 (45.4)
Nicotine, & salts	54-11-5	4	P075	100 (45.4)
Nitric acid	7697-37-2	1		1000 (454)
Nitric acid, thallium (1+) salt	10102-45-1	4	U217	100 (45.4)
Nitric oxide	10102-43-9	4	P076	10 (4.54)
p-Nitroaniline	100-01-6	4	P077	5000 (2270)
Nitrobenzene	98-95-3	1,2,3,4	U169	1000 (454)
4-Nitrobiphenyl	92-93-3	3		10 (4.54)
Nitrogen dioxide	10102-44-0	1,4	P078	10 (4.54)
	10544-72-6			
Nitrogen oxide NO	10102-43-9	4	P076	10 (4.54)
Nitrogen oxide NO2	10102-44-0	1,4	P078	10 (4.54)
	10544-72-6			
Nitroglycerine	55-63-0	4	P081	10 (4.54)
Nitrophenol (mixed)	25154-55-6	1		100 (45.4)
m-Nitrophenol	554-84-7			
o-Nitrophenol	88-75-5	1,2		100 (45.4)
p-Nitrophenol	100-02-7	1,2,3,4	U170	100 (45.4)
2-Nitrophenol	88-75-5	1,2		100 (45.4)
4-Nitrophenol	100-02-7	1,2,3,4	U170	100 (45.4)
NITROPHENOLS	N.A.	2		**
2-Nitropropane	79-46-9	3,4	U171	10 (4.54)
NITROSAMINES	N.A.	2		**
N-Nitrosodi-n-butylamine	924-16-3	4	U172	10 (4.54)
N-Nitrosodiethanolamine	1116-54-7	4	U173	1 (0.454)
N-Nitrosodiethylamine	55-18-5	4	U174	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
N-Nitrosodimethylamine	62–75–9	2,3,4	P082	10 (4.54)
N-Nitrosodiphenylamine	86–30–6	2		100 (45.4)
N-Nitroso-N-ethylurea	759–73–9	4	U176	1 (0.454)
N-Nitroso-N-methylurea	684–93–5	3,4	U177	1 (0.454)
N-Nitroso-N-methylurethane	615–53–2	4	U178	1 (0.454)
N-Nitrosomethylvinylamine	4549–40–0	4	P084	10 (4.54)
N-Nitrosomorpholine	59–89–2	3		1 (0.454)
N-Nitrosopiperidine	100–75–4	4	U179	10 (4.54)
N-Nitrosopyrrolidine	930–55–2	4	U180	1 (0.454)
Nitrotoluene	1321–12–6	1		1000 (454)
m-Nitrotoluene	99–08–1			
o-Nitrotoluene	88–72–2			
p-Nitrotoluene	99–99–0			
5-Nitro-o-toluidine	99–55–8	4	U181	100 (45.4)
Octamethylpyrophosphoramide	152–16–9	4	P085	100 (45.4)
Osmium oxide OsO4, (T–4)-	20816–12–0	4	P087	1000 (454)
Osmium tetroxide	20816–12–0	4	P087	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid	145–73–3	4	P088	1000 (454)
Oxamyl	23135220	4	P194	100 (45.4)
1,2-Oxathiolane, 2,2-dioxide	1120–71–4	3,4	U193	10 (4.54)
2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.	50–18–0	4	U058	10 (4.54)
Oxirane	75–21–8	3,4	U115	10 (4.54)
Oxiranecarboxyaldehyde	765–34–4	4	U126	10 (4.54)
Oxirane, (chloromethyl)-	106–89–8	1,3,4	U041	100 (45.4)
Paraformaldehyde	30525–89–4	1		1000 (454)
Paraldehyde	123–63–7	4	U182	1000 (454)
Parathion	56–38–2	1,3,4	P089	10 (4.54)
PCBs	1336–36–3	1,2,3		1 (0.454)
PCNB	82–68–8	3,4	U185	100 (45.4)
Pentachlorobenzene	608–93–5	4	U183	10 (4.54)
Pentachloroethane	76–01–7	4	U184	10 (4.54)
Pentachloronitrobenzene	82–68–8	3,4	U185	100 (45.4)
Pentachlorophenol	87–86–5	1,2,3,4	See F027	10 (4.54)
1,3-Pentadiene	504–60–9	4	U186	100 (45.4)
Perchloroethylene	127–18–4	2,3,4	U210	100 (45.4)
Phenacetin	62–44–2	4	U187	100 (45.4)
Phenanthrene	85–01–8	2		5000 (2270)
Phenol	108–95–2	1,2,3,4	U188	1000 (454)
Phenol, 2-chloro-	95–57–8	2,4	U048	100 (45.4)
Phenol, 4-chloro-3-methyl-	59–50–7	2,4	U039	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-	131–89–5	4	P034	100 (45.4)
Phenol, 2,4-dichloro-	120–83–2	2,4	U081	100 (45.4)
Phenol, 2,6-dichloro-	87–65–0	4	U082	100 (45.4)
Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)	56–53–1	4	U089	1 (0.454)
Phenol, 2,4-dimethyl-	105–67–9	2,4	U101	100 (45.4)
Phenol, 4-(dimethylamino)-3,5-dimethyl-, 4 methylcarbamate (ester).	315–18–4	1,4	P128	1000 (454)
Phenol, (3,5-dimethyl-4-(methylthio)-, methylcarbamate	2032–65–7	1,4	P199	10 (4.54)
Phenol, 2,4-dinitro-	51–28–5	1,2,3,4	P048	10 (4.54)
Phenol, methyl-	1319–77–3	1,3,4	U052	100 (45.4)
Phenol, 2-methyl-4,6-dinitro-, & salts	534–52–1	2,3,4	P047	10 (4.54)
Phenol, 2,2'-methylenebis[3,4,6- trichloro-	70–30–4	4	U132	100 (45.4)
Phenol, 2-(1-methylethoxy)-, methylcarbamate	114–26–1	3,4	U411	100 (45.4)
Phenol, 3-(1-methylethyl)-, methyl carbamate	64006	4	P202	10 (4.54)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate	2631370	4	P201	1000 (454)
Phenol, 2-(1-methylpropyl)-4,6-dinitro-	88–85–7	4	P020	1000 (454)
Phenol, 4-nitro-	100–02–7	1,2,3,4	U170	100 (45.4)
Phenol, pentachloro-	87–86–5	1,2,3,4	See F027	10 (4.54)
Phenol, 2,3,4,6-tetrachloro-	58–90–2	4	See F027	10 (4.54)
Phenol, 2,4,5-trichloro-	95–95–4	1,3,4	See F027	10 (4.54)
Phenol, 2,4,6-trichloro-	88–06–2	1,2,3,4	See F027	10 (4.54)
Phenol, 2,4,6-trinitro-, ammonium salt	131–74–8	4	P009	10 (4.54)
L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-	148–82–3	4	U150	1 (0.454)
p-Phenylenediamine	106–50–3	3		5000 (2270)
Phenylmercury acetate	62–38–4	4	P092	100 (45.4)
Phenylthiourea	103–85–5	4	P093	100 (45.4)
Phorate	298–02–2	4	P094	10 (4.54)
Phosgene	75–44–5	1,3,4	P095	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

(Note: All Comments/Notes Are Located at the End of This Table)

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Phosphine	7803–51–2	3,4	P096	100 (45.4)
Phosphoric acid	7664–38–2	1		5000 (2270)
Phosphoric acid, diethyl 4-nitrophenyl ester	311–45–5	4	P041	100 (45.4)
Phosphoric acid, lead(2+) salt (2:3)	7446–27–7	4	U145	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester.	298–04–4	1,4	P039	1 (0.454)
Phosphorodithioic acid, O,O-diethyl S-[(ethylthio)methyl] ester.	298–02–2	4	P094	10 (4.54)
Phosphorodithioic acid, O,O-diethyl S-methyl ester	3288–58–2	4	U087	5000 (2270)
Phosphorodithioic acid, O,O-dimethyl S-[2(methylamino)-2-oxoethyl] ester.	60–51–5	4	P044	10 (4.54)
Phosphorofluoridic acid, bis(1-methylethyl) ester	55–91–4	4	P043	100 (45.4)
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester	56–38–2	1,3,4	P089	10 (4.54)
Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester	297–97–2	4	P040	100 (45.4)
Phosphorothioic acid, O-[4-[(dimethylamino) sulfonyl]phenyl] O,O-dimethyl ester.	52–85–7	4	P097	1000 (454)
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.	298–00–0	1,4	P071	100 (45.4)
Phosphorus	7723–14–0	1,3		1 (0.454)
Phosphorus oxychloride	10025–87–3	1		1000 (454)
Phosphorus pentasulfide	1314–80–3	1,4	U189	100 (45.4)
Phosphorus sulfide	1314–80–3	1,4	U189	100 (45.4)
Phosphorus trichloride	7719–12–2	1		1000 (454)
Physostigmine	57476	4	P204	100 (45.4)
Physostigmine salicylate	57647	4	P188	100 (45.4)
PHTHALATE ESTERS	N.A.	2		**
Phthalic anhydride	85–44–9	3,4	U190	5000 (2270)
2-Picoline	109–06–8	4	U191	5000 (2270)
Piperidine, 1-nitroso-	100–75–4	4	U179	10 (4.54)
Plumbane, tetraethyl-	78–00–2	1,4	P110	10 (4.54)
POLYCHLORINATED BIPHENYLS	1336–36–3	1,2,3		1 (0.454)
Polycyclic Organic Matter°	N.A.	3		**
POLYNUCLEAR AROMATIC HYDROCARBONS	N.A.	2		**
Potassium arsenate	7784–41–0	1		1 (0.454)
Potassium arsenite	10124–50–2	1		1 (0.454)
Potassium bichromate	7778–50–9	1		10 (4.54)
Potassium chromate	7789–00–6	1		10 (4.54)
Potassium cyanide K(CN)	151–50–8	1,4	P098	10 (4.54)
Potassium hydroxide	1310–58–3	1		1000 (454)
Potassium permanganate	7722–64–7	1		100 (45.4)
Potassium silver cyanide	506–61–6	4	P099	1 (0.454)
Promecarb	2631370	4	P201	1000 (454)
Pronamide	23950–58–5	4	U192	5000 (2270)
Propanal, 2-methyl-2-(methyl- sulfonyl)-, O-[(methylamino)carbonyl] oxime.	1646884	4	P203	100 (45.4)
Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime.	116–06–3	4	P070	1 (0.454)
1-Propanamine	107–10–8	4	U194	5000 (2270)
1-Propanamine, N-propyl-	142–84–7	4	U110	5000 (2270)
1-Propanamine, N-nitroso-N-propyl-	621–64–7	2,4	U111	10 (4.54)
Propane, 1,2-dibromo-3-chloro-	96–12–8	3,4	U066	1 (0.454)
Propane, 1,2-dichloro-	78–87–5	1,2,3,4	U083	1000 (454)
Propanedinitrile	109–77–3	4	U149	1000 (454)
Propanenitrile	107–12–0	4	P101	10 (4.54)
Propanenitrile, 3-chloro-	542–76–7	4	P027	1000 (454)
Propanenitrile, 2-hydroxy-2-methyl-	75–86–5	1,4	P069	10 (4.54)
Propane, 2-nitro-	79–46–9	3,4	U171	10 (4.54)
Propane, 2,2'-oxybis[2-chloro-	108–60–1	2,4	U027	1000 (454)
1,3-Propane sultone	1120–71–4	3,4	U193	10 (4.54)
1,2,3-Propanetriol, trinitrate	55–63–0	4	P081	10 (4.54)
Propanoic acid, 2-(2,4,5-trichlorophenoxy)-	93–72–1	1,4	See F027	100 (45.4)
1-Propanol, 2,3-dibromo-, phosphate (3:1)	126–72–7	4	U235	10 (4.54)
1-Propanol, 2-methyl-	78–83–1	4	U140	5000 (2270)
2-Propanone	67–64–1	4	U002	5000 (2270)
2-Propanone, 1-bromo-	598–31–2	4	P017	1000 (454)
Propargite	2312–35–8	1		10 (4.54)
Propargyl alcohol	107–19–7	4	P102	1000 (454)
2-Propenal	107–02–8	1,2,3,4	P003	1 (0.454)
2-Propenamide	79–06–1	3,4	U007	5000 (2270)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
1-Propene, 1,3-dichloro-	542–75–6	1,2,3,4	U084	100 (45.4)
1-Propene, 1,1,2,3,3,3-hexachloro-	1888–71–7	4	U243	1000 (454)
2-Propenenitrile	107–13–1	1,2,3,4	U009	100 (45.4)
2-Propenenitrile, 2-methyl-	126–98–7	4	U152	1000 (454)
2-Propenoic acid	79–10–7	3,4	U008	5000 (2270)
2-Propenoic acid, ethyl ester	140–88–5	3,4	U113	1000 (454)
2-Propenoic acid, 2-methyl-, ethyl ester	97–63–2	4	U118	1000 (454)
2-Propenoic acid, 2-methyl-, methyl ester	80–62–6	1,3,4	U162	1000 (454)
2-Propen-1-ol	107–18–6	1,4	P005	100 (45.4)
Propham	122429	4	U373	1000 (454)
beta-Propiolactone	57–57–8	3		10 (4.54)
Propionaldehyde	123–38–6	3	1000 (454)	
Propionic acid	79–09–4	1		5000 (2270)
Propionic anhydride	123–62–6	1		5000 (2270)
Propoxur (Baygon)	114–26–1	3,4	U411	100 (45.4)
n-Propylamine	107–10–8	4	U194	5000 (2270)
Propylene dichloride	78–87–5	1,2,3,4	U083	1000 (454)
Propylene oxide	75–56–9	1,3		100 (45.4)
1,2-Propylenimine	75–55–8	3,4	P067	1 (0.454)
2-Propyn-1-ol	107–19–7	4	P102	1000 (454)
Prosulfocarb	52888809	4	U387	5000 (2270)
Pyrene	129–00–0	2		5000 (2270)
Pyrethrins	121–29–9	1		1 (0.454)
	121–21–1			
	8003–34–7			
3,6-Pyridazinedione, 1,2-dihydro-	123–33–1	4	U148	5000 (2270)
4-Pyridinamine	504–24–5	4	P008	1000 (454)
Pyridine	110–86–1	4	U196	1000 (454)
Pyridine, 2-methyl-	109–06–8	4	U191	5000 (2270)
Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-, & salts	54–11–5	4	P075	100 (45.4)
2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2- chloroethyl)amino]-	66–75–1	4	U237	10 (4.54)
4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-	56–04–2	4	U164	10 (4.54)
Pyrrolidine, 1-nitroso-	930–55–2	4	U180	1 (0.454)
Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a- hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis)-	57476	4	P204	100 (45.4)
Quinoline	91–22–5	1,3		5000 (2270)
Quinone	106–51–4	3,4	U197	10 (4.54)
Quintobenzene	82–68–8	3,4	U185	100 (45.4)
Radionuclides (including radon)	N.A.	3		§
Reserpine	50–55–5	4	U200	5000 (2270)
Resorcinol	108–46–3	1,4	U201	5000 (2270)
Saccharin, & salts	81–07–2	4	U202	100 (45.4)
Safrole	94–59–7	4	U203	100 (45.4)
Selenious acid	7783–00–8	4	U204	10 (4.54)
Selenious acid, dithallium (1+) salt	12039–52–0	4	P114	1000 (454)
Selenium††	7782–49–2	2		100 (45.4)
SELENIUM AND COMPOUNDS	N.A.	2,3		**
Selenium Compounds	N.A.	2,3		**
Selenium dioxide	7446–08–4	1,4	U204	10 (4.54)
Selenium oxide	7446–08–4	1,4	U204	10 (4.54)
Selenium sulfide SeS2	7488–56–4	4	U205	10 (4.54)
Selenourea	630–10–4	4	P103	1000 (454)
L-Serine, diazoacetate (ester)	115–02–6	4	U015	1 (0.454)
Silver††	7440–22–4	2		1000 (454)
SILVER AND COMPOUNDS	N.A.	2		**
Silver cyanide Ag(CN)	506–64–9	4	P104	1 (0.454)
Silver nitrate	7761–88–8	1		1 (0.454)
Silvex (2,4,5-TP)	93–72–1	1,4	See F027	100 (45.4)
Sodium	7440–23–5	1		10 (4.54)
Sodium arsenate	7631–89–2	1		1 (0.454)
Sodium arsenite	7784–46–5	1		1 (0.454)
Sodium azide	26628–22–8	4	P105	1000 (454)
Sodium bichromate	10588–01–9	1		10 (4.54)
Sodium bifluoride	1333–83–1	1		100 (45.4)
Sodium bisulfite	7631–90–5	1		5000 (2270)
Sodium chromate	7775–11–3	1		10 (4.54)
Sodium cyanide Na(CN)	143–33–9	1,4	P106	10 (4.54)
Sodium dodecylbenzenesulfonate	25155–30–0	1		1000 (454)
Sodium fluoride	7681–49–4	1		1000 (454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Sodium hydrosulfide	16721-80-5	1		5000 (2270)
Sodium hydroxide	1310-73-2	1		1000 (454)
Sodium hypochlorite	7681-52-9	1		100 (45.4)
	10022-70-5			
Sodium methylate	124-41-4	1		1000 (454)
Sodium nitrite	7632-00-0	1		100 (45.4)
Sodium phosphate, dibasic	7558-79-4	1		5000 (2270)
	10039-32-4			
	10140-65-5			
Sodium phosphate, tribasic	7601-54-9	1		5000 (2270)
	7758-29-4			
	7785-84-4			
	10101-89-0			
	10124-56-8			
	10361-89-4			
Sodium selenite	7782-82-3	1		100 (45.4)
	10102-18-8			
Streptozotocin	18883-66-4	4	U206	1 (0.454)
Strontium chromate	7789-06-2	1		10 (4.54)
Strychnidin-10-one, & salts	57-24-9	1,4	P108	10 (4.54)
Strychnidin-10-one, 2,3-dimethoxy-	357-57-3	4	P018	100 (45.4)
Strychnine, & salts	57-24-9	1,4	P108	10 (4.54)
Styrene	100-42-5	1,3		1000 (454)
Styrene oxide	96-09-3	3		100 (45.4)
Sulfuric acid	7664-93-9	1		1000 (454)
	8014-95-7			
Sulfuric acid, dimethyl ester	77-78-1	3,4	U103	100 (45.4)
Sulfuric acid, dithallium (1+) salt	7446-18-6	1,4	P115	100 (45.4)
	10031-59-1			
Sulfur monochloride	12771-08-3	1		1000 (454)
Sulfur phosphide	1314-80-3	1,4	U189	100 (45.4)
2,4,5-T	93-76-5	1,4	See F027	1000 (454)
2,4,5-T acid	93-76-5	1,4	See F027	1000 (454)
2,4,5-T amines	2008-46-0	1		5000 (2270)
	1319-72-8			
	3813-14-7			
	6369-96-6			
	6369-97-7			
2,4,5-T esters	93-79-8	1		1000 (454)
	1928-47-8			
	2545-59-7			
	25168-15-4			
	61792-07-2			
2,4,5-T salts	13560-99-1	1		1000 (454)
TCDD	1746-01-6	2,3		1 (0.454)
TDE	72-54-8	1,2,4	U060	1 (0.454)
1,2,4,5-Tetrachlorobenzene	95-94-3	4	U207	5000 (2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	2,3		1 (0.454)
1,1,1,2-Tetrachloroethane	630-20-6	4	U208	100 (45.4)
1,1,2,2-Tetrachloroethane	79-34-5	2,3,4	U209	100 (45.4)
Tetrachloroethylene	127-18-4	2,3,4	U210	100 (45.4)
2,3,4,6-Tetrachlorophenol	58-90-2	4	See F027	10 (4.54)
Tetraethyl pyrophosphate	107-49-3	1,4	P111	10 (4.54)
Tetraethyl lead	78-00-2	1,4	P110	10 (4.54)
Tetraethyldithiopyrophosphate	3689-24-5	4	P109	100 (45.4)
Tetrahydrofuran	109-99-9	4	U213	1000 (454)
Tetranitromethane	509-14-8	4	P112	10 (4.54)
Tetraphosphoric acid, hexaethyl ester	757-58-4	4	P062	100 (45.4)
Thallic oxide	1314-32-5	4	P113	100 (45.4)
Thallium ††	7440-28-0	2		1000 (454)
THALLIUM AND COMPOUNDS	N.A.	2		**
Thallium (I) acetate	563-68-8	4	U214	100 (45.4)
Thallium (I) carbonate	6533-73-9	4	U215	100 (45.4)
Thallium chloride TlCl	7791-12-0	4	U216	100 (45.4)
Thallium (I) nitrate	10102-45-1	4	U217	100 (45.4)
Thallium oxide Tl2O3	1314-32-5	4	P113	100 (45.4)
Thallium (I) selenite	12039-52-0	4	P114	1000 (454)
Thallium (I) sulfate	7446-18-6	1,4	P115	100 (45.4)
	10031-59-1			

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Thioacetamide	62–55–5	4	U218	10 (4.54)
Thiodicarb	59669260	4	U410	100 (45.4)
Thiodiphosphoric acid, tetraethyl ester	3689–24–5	4	P109	100 (45.4)
Thiofanox	39196–18–4	4	P045	100 (45.4)
Thioimidodicarbonic diamide [(H2N)C(S)] 2NH	541–53–7	4	P049	100 (45.4)
Thiomethanol	74–93–1	1,4	U153	100 (45.4)
Thioperoxydicarbonic diamide [(H2N)C(S)] 2S2, tetramethyl-.	137–26–8	4	U244	10 (4.54)
Thiophanate-methyl	23564058	4	U409	10 (4.54)
Thiophenol	108–98–5	4	P014	100 (45.4)
Thiosemicarbazide	79–19–6	4	P116	100 (45.4)
Thiourea	62–56–6	4	U219	10 (4.54)
Thiourea, (2-chlorophenyl)-	5344–82–1	4	P026	100 (45.4)
Thiourea, 1-naphthalenyl-	86–88–4	4	P072	100 (45.4)
Thiourea, phenyl-	103–85–5	4	P093	100 (45.4)
Thiram	137–26–8	4	U244	10 (4.54)
Tirpate	26419738	4	P185	100 (45.4)
Titanium tetrachloride	7550–45–0	3		1,2,41000 (454)
Toluene	108–88–3	1,2,3,4	U220	1000 (454)
Toluenediamine	95–80–7 496–72–0 823–40–5 25376–45–8	3,4	U221	10 (4.54)
2,4-Toluene diamine	95–80–7 496–72–0 823–40–5 25376–45–8	3,4	U221	10 (4.54)
Toluene diisocyanate	91–08–7 584–84–9 26471–62–5	3,4	U223	100 (45.4)
2,4-Toluene diisocyanate	91–08–7 584–84–9 26471–62–5	3,4	U223	100 (45.4)
o-Toluidine	95–53–4	3,4	U328	100 (45.4)
p-Toluidine	106–49–0	4	U353	100 (45.4)
o-Toluidine hydrochloride	636–21–5	4	U222	100 (45.4)
Toxaphene	8001–35–2	1,2,3,4	P123	1 (0.454)
2,4,5-TP acid	93–72–1	1,4	See F027	100 (45.4)
2,4,5-TP esters	32534–95–5	1		100 (45.4)
Triallate	2303175	4	U389	100 (45.4)
1H-1,2,4-Triazol-3-amine	61–82–5	4	U011	10 (4.54)
Trichlorfon	52–68–6	1		100 (45.4)
1,2,4-Trichlorobenzene	120–82–1	2,3		100 (45.4)
1,1,1-Trichloroethane	71–55–6	2,3,4	U226	1000 (454)
1,1,2-Trichloroethane	79–00–5	2,3,4	U227	100 (45.4)
Trichloroethylene	79–01–6	1,2,3,4	U228	100 (45.4)
Trichloromethanesulfenyl chloride	594–42–3	4	P118	100 (45.4)
Trichloromonofluoromethane	75–69–4	4	U121	5000 (2270)
Trichlorophenol	25167–82–2	1		10 (4.54)
2,3,4-Trichlorophenol	15950–66–0			
2,3,5-Trichlorophenol	933–78–8			
2,3,6-Trichlorophenol	933–75–5			
3,4,5-Trichlorophenol	609–19–8			
2,4,5-Trichlorophenol	95–95–4	1,3,4	See F027	10 (4.54)
2,4,6-Trichlorophenol	88–06–2	1,2,3,4	See F027	10 (4.54)
Triethanolamine dodecylbenzenesulfonate	27323–41–7	1		1000 (454)
Triethylamine	121–44–8	1,3,4	U404	5000 (2270)
Trifluralin	1582–09–8	3		10 (4.54)
Trimethylamine	75–50–3	1		100 (45.4)
2,2,4-Trimethylpentane	540–84–1	3		1000 (454)
1,3,5-Trinitrobenzene	99–35–4	4	U234	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl-	123–63–7	4	U182	1000 (454)
Tris(2,3-dibromopropyl) phosphate	126–72–7	4	U235	10 (4.54)
Trypan blue	72–57–1	4	U236	10 (4.54)
Unlisted Hazardous Wastes Characteristic of Corrosivity	N.A.	4	D002	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Ignitability	N.A.	4	D001	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Reactivity	N.A.	4	D003	100 (45.4)
Unlisted Hazardous Wastes Characteristic of Toxicity: Arsenic (D004)	N.A.	4	D004	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Barium (D005)	N.A.	4	D005	1000 (454)
Benzene (D018)	N.A.	1,2,3,4	D018	10 (4.54)
Cadmium (D006)	N.A.	4	D006	10 (4.54)
Carbon tetrachloride (D019)	N.A.	1,2,4	D019	10 (4.54)
Chlordane (D020)	N.A.	1,2,4	D020	1 (0.454)
Chlorobenzene (D021)	N.A.	1,2,4	D021	100 (45.4)
Chloroform (D022)	N.A.	1,2,4	D022	10 (4.54)
Chromium (D007)	N.A.	4	D007	10 (4.54)
o-Cresol (D023)	N.A.	4	D023	100 (45.4)
m-Cresol (D024)	N.A.	4	D024	100 (45.4)
p-Cresol (D025)	N.A.	4	D025	100 (45.4)
Cresol (D026)	N.A.	4	D026	100 (45.4)
2,4-D (D016)	N.A.	1,4	D016	100 (45.4)
1,4-Dichlorobenzene (D027)	N.A.	1,2,4	D027	100 (45.4)
1,2-Dichloroethane (D028)	N.A.	1,2,4	D028	100 (45.4)
1,1-Dichloroethylene (D029)	N.A.	1,2,4	D029	100 (45.4)
2,4-Dinitrotoluene (D030)	N.A.	1,2,4	D030	10 (4.54)
Endrin (D012)	N.A.	1,4	D012	1 (0.454)
Heptachlor (and epoxide) (D031)	N.A.	1,2,4	D031	1 (0.454)
Hexachlorobenzene (D032)	N.A.	2,4	D032	10 (4.54)
Hexachlorobutadiene (D033)	N.A.	2,4	D033	1 (0.454)
Hexachloroethane (D034)	N.A.	2,4	D034	100 (45.4)
Lead (D008)	N.A.	4	D008	10 (4.54)
Lindane (D013)	N.A.	1,4	D013	1 (0.454)
Mercury (D009)	N.A.	4	D009	1 (0.454)
Methoxychlor (D014)	N.A.	1,4	D014	1 (0.454)
Methyl ethyl ketone (D035)	N.A.	4	D035	5000 (2270)
Nitrobenzene (D036)	N.A.	1,2,4	D036	1000 (454)
Pentachlorophenol (D037)	N.A.	1,2,4	D037	10 (4.54)
Pyridine (D038)	N.A.	4	D038	1000 (454)
Selenium (D010)	N.A.	4	D010	10 (4.54)
Silver (D011)	N.A.	4	D011	1 (0.454)
Tetrachloroethylene (D039)	N.A.	2,4	D039	100 (45.4)
Toxaphene (D015)	N.A.	1,4	D015	1 (0.454)
Trichloroethylene (D040)	N.A.	1,2,4	D040	100 (45.4)
2,4,5-Trichlorophenol (D041)	N.A.	1,4	D041	10 (4.54)
2,4,6-Trichlorophenol (D042)	N.A.	1,2,4	D042	10 (4.54)
2,4,5-TP (D017)	N.A.	1,4	D017	100 (45.4)
Vinyl chloride (D043)	N.A.	2,3,4	D043	1 (0.454)
Uracil mustard	66-75-1	4	U237	10 (4.54)
Uranyl acetate	541-09-3	1		100 (45.4)
Uranyl nitrate	10102-06-4	1		100 (45.4)
	36478-76-9			
Urea, N-ethyl-N-nitroso-	759-73-9	4	U176	1 (0.454)
Urea, N-methyl-N-nitroso-	684-93-5	3,4	U177	1 (0.454)
Urethane	51-79-6	3,4	U238	100 (45.4)
Vanadic acid, ammonium salt	7803-55-6	4	P119	1000 (454)
Vanadium oxide V2O5	1314-62-1	1,4	P120	1000 (454)
Vanadium pentoxide	1314-62-1	1,4	P120	1000 (454)
Vanadyl sulfate	27774-13-6	1		1000 (454)
Vinyl acetate	108-05-4	1,3		5000 (2270)
Vinyl acetate monomer	108-05-4	1,3		5000 (2270)
Vinylamine, N-methyl-N-nitroso-	4549-40-0	4	P084	10 (4.54)
Vinyl bromide	593-60-2	3		100 (45.4)
Vinyl chloride	75-01-4	2,3,4	U043	1 (0.454)
Vinylidene chloride	75-35-4	1,2,3,4	U078	100 (45.4)
Warfarin, & salts	81-81-2	4	P001, U248	100 (45.4)
Xylene	1330-20-7	1,3,4	U239	100 (45.4)
m-Xylene	108-38-3	3		1000 (454)
o-Xylene	95-47-6	3		1000 (454)
p-Xylene	106-42-3	3		100 (45.4)
Xylene (mixed)	1330-20-7	1,3,4	U239	100 (45.4)
Xylenes (isomers and mixture)	1330-20-7	1,3,4	U239	100 (45.4)
Xylenol	1300-71-6	1		1000 (454)
Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta,16beta,17alpha, 18beta,20alpha).	50-55-54	4	U200	5000 (2270)
Zinc††	7440-66-6	2		1000 (454)
ZINC AND COMPOUNDS	N.A.	2		**

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Zinc acetate	557–34–6	1		1000 (454)
Zinc ammonium chloride	52628–25–8	1		1000 (454)
	14639–97–5			
	14639–98–6			
Zinc, bis(dimethylcarbamodithioato-S,S')-	137304	4	P205	10 (4.54)
Zinc borate	1332–07–6	1		1000 (454)
Zinc bromide	7699–45–8	1		1000 (454)
Zinc carbonate	3486–35–9	1		1000 (454)
Zinc chloride	7646–85–7	1		1000 (454)
Zinc cyanide Zn(CN)2	557–21–1	1,4	P121	10 (4.54)
Zinc fluoride	7783–49–5	1		1000 (454)
Zinc formate	557–41–5	1		1000 (454)
Zinc hydrosulfite	7779–86–4	1		1000 (454)
Zinc nitrate	7779–88–6	1		1000 (454)
Zinc phenolsulfonate	127–82–2	1		5000 (2270)
Zinc phosphide Zn3P2	1314–84–7	1,4	P122, U249	100 (45.4)
Zinc silicofluoride	16871–71–9	1		5000 (2270)
Zinc sulfate	7733–02–0	1		1000 (454)
Ziram	137304	4	P205	10 (4.54)
Zirconium nitrate	13746–89–9	1		5000 (2270)
Zirconium potassium fluoride	16923–95–8	1		1000 (454)
Zirconium sulfate	14644–61–2	1		5000 (2270)
Zirconium tetrachloride	10026–11–6	1		5000 (2270)
F001		4	F001	10 (4.54)
The following spent halogenated solvents used in degreasing; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.				
(a) Tetrachloroethylene	127–18–4	2,3,4	U210	100 (45.4)
(b) Trichloroethylene	79–01–6	1,2,3,4	U228	100 (45.4)
(c) Methylene chloride	75–09–2	2,3,4	U080	1000 (454)
(d) 1,1,1-Trichloroethane	71–55–6	2,3,4	U226	1000 (454)
(e) Carbon tetrachloride	56–23–5	1,2,3,4	U211	10 (4.54)
(f) Chlorinated fluorocarbons	N.A.			5000 (2270)
F002		4	F002	10 (4.54)
The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the halogenated solvents listed below or those solvents listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.				
(a) Tetrachloroethylene	127–18–4	2,3,4	U210	100 (45.4)
(b) Methylene chloride	75–09–2	2,3,4	U080	1000 (454)
(c) Trichloroethylene	79–01–6	1,2,3,4	U228	100 (45.4)
(d) 1,1,1-Trichloroethane	71–55–6	2,3,4	U226	1000 (454)
(e) Chlorobenzene	108–90–7	1,2,3,4	U037	100 (45.4)
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	76–13–1			5000 (2270)
(g) o-Dichlorobenzene	95–50–1	1,2,4	U070	100 (45.4)
(h) Trichlorofluoromethane	75–69–4	4	U121	5000 (2270)
(i) 1,1,2-Trichloroethane	79–00–5	2,3,4	U227	100 (45.4)
F003		4	F003	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents.				
(a) Xylene	1330-20-7			1000 (454)
(b) Acetone	67–64–1			5000 (2270)
(c) Ethyl acetate	141–78–6			5000 (2270)
(d) Ethylbenzene	100–41–4			1000 (454)
(e) Ethyl ether	60–29–7			100 (45.4)
(f) Methyl isobutyl ketone	108–10–1			5000 (2270)
(g) n-Butyl alcohol	71–36–3			5000 (2270)
(h) Cyclohexanone	108–94–1			5000 (2270)
(i) Methanol	67–56–1			5000 (2270)
F004		4	F004	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:				
(a) Cresols/Cresylic acid	1319–77–3	1,3,4	U052	100 (45.4)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
(b) Nitrobenzene	98–95–3	1,2,3,4	U169	1000 (454)
F005		4	F005	100 (45.4)
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:				
(a) Toluene	108–88–3	1,2,3,4	U220	1000 (454)
(b) Methyl ethyl ketone	78–93–3	3,4	U159	5000 (2270)
(c) Carbon disulfide	75–15–0	1,3,4	P022	100 (45.4)
(d) Isobutanol	78–83–1	4	U140	5000 (2270)
(e) Pyridine	110–86–1	4	U196	1000 (454)
F006		4	F006	10 (4.54)
Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbon steel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum.				
F007		4	F007	10 (4.54)
Spent cyanide plating bath solutions from electroplating operations.				
F008		4	F008	10 (4.54)
Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.				
F009		4	F009	10 (4.54)
Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.				
F010		4	F010	10 (4.54)
Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.				
F011		4	F011	10 (4.54)
Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.				
F012		4	F012	10 (4.54)
Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.				
F019		4	F019	10 (4.54)
Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state; or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in §258.40, §264.301 or §265.301. For the purposes of this listing, motor vehicle manufacturing is defined in §261.31(b)(4)(i) and §261.31(b)(4)(ii) describes the recordkeeping requirements for motor vehicle manufacturing facilities				
F020		4	F020	1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol.)				
F021		4	F021	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol or of intermediates used to produce its derivatives.				
F022		4	F022	1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.				
F023		4	F023	1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or a component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)				
F024		4	F024	1 (0.454)
Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in 40 CFR 261.31 or 261.32.)				
F025		4	F025	1 (0.454)
Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.				
F026		4	F026	1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions.				
F027		4	F027	1 (0.454)
Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5- trichlorophenol as the sole component.)				
F028		4	F028	1 (0.454)
Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027.				
F032		4	F032	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with §261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (*i.e.*, F034 or F035), and where the generator does not resume or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.				
F034	.....	4	F034	1 (0.454)
Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.				
F035	.....	4	F035	1 (0.454)
Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.				
F037	.....	4	F037	1 (0.454)
Petroleum refinery primary oil/water/solids separation sludge-Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in §261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are not included in this listing. This listing does include residuals generated from processing or recycling oil-bearing hazardous secondary materials excluded under §261.4(a)(12)(i), if those residuals are to be disposed of.				
F038	.....	4	F038	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Petroleum refinery secondary (emulsified) oil/water/solids separation sludge-Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges and floats generated in aggressive biological treatment units as defined in §261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.				
F039	.....	4	F039	1 (0.454)
Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of 40 CFR part 261. (Leachate resulting from the disposal of one or more of the following EPA Hazardous Wastes and no other hazardous wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027, and/or F028.)				
K001	.....	4	K001	1 (0.454)
Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.				
K002	.....	4	K002	10 (4.54)
Wastewater treatment sludge from the production of chrome yellow and orange pigments.				
K003	.....	4	K003	10 (4.54)
Wastewater treatment sludge from the production of molybdate orange pigments.				
K004	.....	4	K004	10 (4.54)
Wastewater treatment sludge from the production of zinc yellow pigments.				
K005	.....	4	K005	10 (4.54)
Wastewater treatment sludge from the production of chrome green pigments.				
K006	.....	4	K006	10 (4.54)
Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).				
K007	.....	4	K007	10 (4.54)
Wastewater treatment sludge from the production of iron blue pigments.				
K008	.....	4	K008	10 (4.54)
Oven residue from the production of chrome oxide green pigments.				
K009	.....	4	K009	10 (4.54)
Distillation bottoms from the production of acetaldehyde from ethylene.				
K010	.....	4	K010	10 (4.54)
Distillation side cuts from the production of acetaldehyde from ethylene.				
K011	.....	4	K011	10 (4.54)
Bottom stream from the wastewater stripper in the production of acrylonitrile.				
K013	.....	4	K013	10 (4.54)
Bottom stream from the acetonitrile column in the production of acrylonitrile.				
K014	.....	4	K014	5000 (2270)
Bottoms from the acetonitrile purification column in the production of acrylonitrile.				
K015	.....	4	K015	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Still bottoms from the distillation of benzyl chloride. K016	.....	4	K016	1 (0.454)
Heavy ends or distillation residues from the production of carbon tetrachloride. K017	.....	4	K017	10 (4.54)
Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin. K018	.....	4	K018	1 (0.454)
Heavy ends from the fractionation column in ethyl chloride production. K019	.....	4	K019	1 (0.454)
Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production. K020	.....	4	K020	1 (0.454)
Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production. K021	.....	4	K021	10 (4.54)
Aqueous spent antimony catalyst waste from fluoromethanes production. K022	.....	4	K022	1 (0.454)
Distillation bottom tars from the production of phenol/acetone from cumene. K023	.....	4	K023	5000 (2270)
Distillation light ends from the production of phthalic anhydride from naphthalene. K024	.....	4	K024	5000 (2270)
Distillation bottoms from the production of phthalic anhydride from naphthalene. K025	.....	4	K025	10 (4.54)
Distillation bottoms from the production of nitrobenzene by the nitration of benzene. K026	.....	4	K026	1000 (454)
Stripping still tails from the production of methyl ethyl pyridines. K027		4	K027	10 (4.54)
Centrifuge and distillation residues from toluene diisocyanate production. K028		4	K028	1 (0.454)
Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane. K029		4	K029	1 (0.454)
Waste from the product steam stripper in the production of 1,1,1- trichloroethane. K030		4	K030	1 (0.454)
Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene. K031		4	K031	1 (0.454)
By-product salts generated in the production of MSMA and cacodylic acid. K032		4	K032	10 (4.54)
Wastewater treatment sludge from the production of chlordane. K033		4	K033	10 (4.54)
Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane. K034		4	K034	10 (4.54)
Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane. K035		4	K035	1 (0.454)
Wastewater treatment sludges generated in the production of creosote. K036		4	K036	1 (0.454)
Still bottoms from toluene reclamation distillation in the production of disulfoton. K037		4	K037	1 (0.454)
Wastewater treatment sludges from the production of disulfoton. K038		4	K038	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastewater from the washing and stripping of phorate production.				
K039		4	K039	10 (4.54)
Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.				
K040		4	K040	10 (4.54)
Wastewater treatment sludge from the production of phorate.				
K041		4	K041	1 (0.454)
Wastewater treatment sludge from the production of toxaphene.				
K042		4	K042	10 (4.54)
Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.				
K043		4	K043	10 (4.54)
2,6-Dichlorophenol waste from the production of 2,4-D.				
K044		4	K044	10 (4.54)
Wastewater treatment sludges from the manufacturing and processing of explosives.				
K045		4	K045	10 (4.54)
Spent carbon from the treatment of wastewater containing explosives.				
K046		4	K046	10 (4.54)
Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.				
K047		4	K047	10 (4.54)
Pink/red water from TNT operations.				
K048		4	K048	10 (4.54)
Dissolved air flotation (DAF) float from the petroleum refining industry.				
K049		4	K049	10 (4.54)
Slop oil emulsion solids from the petroleum refining industry.				
K050		4	K050	10 (4.54)
Heat exchanger bundle cleaning sludge from the petroleum refining industry.				
K051		4	K051	10 (4.54)
API separator sludge from the petroleum refining industry.				
K052		4	K052	10 (4.54)
Tank bottoms (leaded) from the petroleum refining industry.				
K060		4	K060	1 (0.454)
Ammonia still lime sludge from coking operations.				
K061		4	K061	10 (4.54)
Emission control dust/sludge from the primary production of steel in electric furnaces.				
K062		4	K062	10 (4.54)
Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).				
K064		4	K064	10 (4.54)
Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.				
K065		4	K065	10 (4.54)
Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.				
K066		4	K066	10 (4.54)
Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.				
K069		4	K069	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Emission control dust/sludge from secondary lead smelting. (Note: This listing is stayed administratively for sludge generated from secondary acid scrubber systems. The stay will remain in effect until further administrative action is taken. If EPA takes further action effecting the stay, EPA will publish a notice of the action in the FEDERAL REGISTER.)				
K071		4	K071	1 (0.454)
Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.				
K073		4	K073	10 (4.54)
Chlorinated hydrocarbon waste from the purification step of the diaphragm cellprocess using graphite anodes in chlorine production.				
K083		4	K083	100 (45.4)
Distillation bottoms from aniline production.				
K084		4	K084	1 (0.454)
Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K085		4	K085	10 (4.54)
Distillation or fractionation column bottoms from the production of chlorobenzenes.				
K086		4	K086	10 (4.54)
Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.				
K087		4	K087	100 (45.4)
Decanter tank tar sludge from coking operations.				
K088		4	K088	10 (4.54)
Spent potliners from primary aluminum reduction.				
K090		4	K090	10 (4.54)
Emission control dust or sludge from ferrochromiumsilicon production.				
K091		4	K091	10 (4.54)
Emission control dust or sludge from ferrochromium production.				
K093		4	K093	5000 (2270)
Distillation light ends from the production of phthalic anhydride from ortho-xylene.				
K094		4	K094	5000 (2270)
Distillation bottoms from the production of phthalic anhydride from ortho-xylene.				
K095		4	K095	100 (45.4)
Distillation bottoms from the production of 1,1,1-trichloroethane.				
K096		4	K096	100 (45.4)
Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.				
K097		4	K097	1 (0.454)
Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.				
K098		4	K098	1 (0.454)
Untreated process wastewater from the production of toxaphene.				
K099		4	K099	10 (4.54)
Untreated wastewater from the production of 2,4-D.				
K100		4	K100	10 (4.54)
Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.				
K101		4	K101	1 (0.454)
Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K102		4	K102	1 (0.454)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.				
K103		4	K103	100 (45.4)
Process residues from aniline extraction from the production of aniline.				
K104		4	K104	10 (4.54)
Combined wastewater streams generated from nitrobenzene/aniline production.				
K105		4	K105	10 (4.54)
Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.				
K106		4	K106	1 (0.454)
Wastewater treatment sludge from the mercury cell process in chlorine production.				
K107		4	K107	10 (4.54)
Column bottoms from product separation from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazines.				
K108		4	K108	10 (4.54)
Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K109		4	K109	10 (4.54)
Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K110		4	K110	10 (4.54)
Condensed column overheads from intermediate separation from the production of 1,1- dimethylhydrazine (UDMH) from carboxylic acid hydrazides.				
K111		4	K111	10 (4.54)
Product washwaters from the production of dinitrotoluene via nitration of toluene.				
K112		4	K112	10 (4.54)
Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K113		4	K113	10 (4.54)
Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K114		4	K114	10 (4.54)
Vicinals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K115		4	K115	10 (4.54)
Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.				
K116		4	K116	10 (4.54)
Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.				
K117		4	K117	1 (0.454)
Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.				
K118		4	K118	1 (0.454)
Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.				
K123		4	K123	10 (4.54)
Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.				
K124		4	K124	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.				
K125		4	K125	10 (4.54)
Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.				
K126		4	K126	10 (4.54)
Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.				
K131		4	K131	100 (45.4)
Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.				
K132		4	K132	1000 (454)
Spent absorbent and wastewater separator solids from the production of methyl bromide.				
K136		4	K136	1 (0.454)
Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.				
K141		4	K141	1 (0.454)
Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations).				
K142		4	K142	1 (0.454)
Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.				
K143		4	K143	1 (0.454)
Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by- products produced from coal.				
K144		4	K144	1 (0.454)
Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.				
K145		4	K145	1 (0.454)
Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.				
K147		4	K147	1 (0.454)
Tar storage tank residues from coal tar refining.				
K148		4	K148	1 (0.454)
Residues from coal tar distillation, including, but not limited to, still bottoms.				
K149		4	K149	10 (4.54)
Distillation bottoms from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzyl chloride.]				
K150		4	K150	10 [4.54)
Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.				
K151		4	K151	10 (4.54)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of waste-waters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.				
K156		4	K156	10 (4.54)
Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)				
K157		4	K157	10 (4.54)
Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)				
K158		4	K158	10 (4.54)
Bag house dusts and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylcarbamate.)				
K159		4	K159	10 (4.54)
Organics from the treatment of thiocarbamate wastes.				
K161		4	K161	1 (0.454)
Purification solids (including filtration, evaporation, and centrifugation solids), bag-house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126).				
K169[1]		4	K169	10 (4.54)
Crude oil storage tank sediment from petroleum refining operations.				
K170[1]		4	K170	1 (0.454)
Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.				
K171[1]		4	K171	1 (0.454)
Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)				
K172[1]		4	K172	1 (0.454)
Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.)				
K174[1]		4	K174	1 (0.454)
K175[1]		4	K175	1 (0.454)
K176.				
Baghouse filters from the production of antimony oxide, including filters from the production of intermediates (e.g., antimony metal or crude antimony oxide)		4	K176	1 (0.454)
K177.				
Slag from the production of antimony oxide that is speculatively accumulated or disposed, including slag from the production of intermediates (e.g., antimony metal or crude antimony oxide)		4	K177	5,000 (2270)
K178		4	K178	1000 (454)
Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process.				
K181		4	K181	##

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Statutory code†	RCRA waste No.	Final RQ pounds (Kg)
Nonwastewaters from the production of dyes and/or pigments (including nonwastewaters commingled at the point of generation with nonwastewaters from other processes) that, at the point of generation, contain mass loadings of any of the constituents identified in paragraph (c) of section 261.32 that are equal to or greater than the corresponding paragraph (c) levels, as determined on a calendar year basis				

† Indicates the statutory source defined by 1, 2, 3, and 4, as described in the note preceding Table 302.4.

† Indicates the statutory source defined by 1,2,3, and 4, as described in the note preceding Table 302.4.

†† No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers (0.004 inches).

††† The RQ for asbestos is limited to friable forms only.

The Agency may adjust the statutory RQ for this hazardous substance in a future rulemaking; until then the statutory one-pound RQ applies.

§ The adjusted RQs for radionuclides may be found in Appendix B to this table.

** Indicates that no RQ is being assigned to the generic or broad class.

[a] Benzene was already a CERCLA hazardous substance prior to the CAA Amendments of 1990 and received an adjusted 10-pound RQ based on potential carcinogenicity in an August 14, 1989, final rule (54 FR 33418). The CAA Amendments specify that "benzene (including benzene from gasoline)" is a hazardous air pollutant and, thus, a CERCLA hazardous substance.

[b] The CAA Amendments of 1990 list DDE (3547–04–4) as a CAA hazardous air pollutant. The CAS number, 3547–04–4, is for the chemical, p,p'dichlorodiphenylethane. DDE or p,p'-dichlorodiphenyldichloroethylene, CAS number 72–55–9, is already listed in Table 302.4 with a final RQ of 1 pound. The substance identified by the CAS number 3547–04–4 has been evaluated and listed as DDE to be consistent with the CAA section 112 listing, as amended.

[c] Includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less.

[d] Includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH2CH2)n-OR' where:

n = 1, 2, or 3;

R = alkyl C7 or less; or

R = phenyl or alkyl substituted phenyl;

R' = H or alkyl C7 or less; or

OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

[e] Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.

[f] See 40 CFR 302.6(b)(1) for application of the mixture rule to this hazardous waste.

Appendix B Resource Call List

Port of Portland		
PDX Communications Center	Emergency Spills	503-460-4000
PDX Communication Center	Non-Emergency	503-460-4747
Stan Jones	Mixed Media Senior Manager/Spill Response Manager	503-807-6585
Airport Operations Director	Airport Operations Director	Use Navigator directory
Jenn Bies	Environmental Ops Director	503-313-2109
Daniel Reed	Risk Management	541-729-5790-Cell For emergencies contact the Comm Center
Kama Simmonds	Public Affairs	503-702-7902-Cell For emergencies outside of business hours contact the Comm Center
Teresa Jacobs	Legal Counsel	505-501-4385
Steve Danielson	Safety and Loss Control Director	503-789-7344
State Agencies		
Oregon Emergency Response System (OERS)		1-800-452-0311
Department of Environmental Quality (DEQ) NW Region		503-229-5263
State Radiation Division		1-800-452-0311
State Department of Energy		1-800-221-8035
State Fire Marshal Hazardous Materials Duty Officer		541-527-2762 503-934-8256-general office
Poison Control Center		1-800-222-1222
Local Agencies		
City of Portland	Bureau of Environmental Services	503-823-7180
Multnomah County Drainage District		503-281-5675
City of Portland Fire Dept.	Haz-Mat Team	503-823-3946
City of Gresham	Haz-Mat Team	503-618-2590
City of Tualatin	Haz-Mat Team	503-629-0111
Columbia River Sheriff		503-288-6788
Willamette River Sheriff		503-249-7952

Federal		
National Response Center (NRC)		1-800-424-8802
US Coast Guard	Transportation Disaster Response-24hr - Hazardous Materials & Oil Spills	503-240-9370
EPA Region 10		1-800-424-4372
EPA Region 10	Portland Office	503-326-3250
Port Emergency Responders		
Terra Hydr, Inc. (24-Hour)	Emergency Responders/Haz. Mat. Cleanup	503-625-4000
Telluric	Emergency Responders/Haz. Mat. Cleanup	503-505-1995
Chemical Information		
ChemTrec	Public service hotline for emergency responders	1-800-424-9300
Chemical Reference Center	Private response resource for cargo shipping and transportation	1-800-262-8200
Port Tenant Fueling Operators		
Menzies	Scott Baker	503-752-1726
Atlantic Aviation	Office	503-331-4220
PrimeFlight	Duty Phone	281-906-9452

APPENDIX E

MATERIAL HANDLING PROCEDURES

UNLEADED & DIESEL PRODUCTS
FUELING INSTRUCTIONS

SAFETY TIPS FOR REFUELING

- ➲ No smoking within 25 feet of the fuel island
- ➲ Make sure there is a fully charged fire extinguisher readily available
- ➲ Know the location of the emergency shut off valves before pumping fuel
- ➲ Never leave your vehicle unattended while refueling

- **Pull the vehicle up to the pump of choice**
- **Turn off the vehicle's ignition and set the parking brake**
- **Insert the nozzle into the spout of the vehicle**
- **Leave the nozzle off but flip the pump handle into the on position**
- **Insert the chip key into the fuel pump and follow the prompts**

  1. **Enter your 4-digit PIN number**
  2. **Enter the odometer reading to the nearest mile OR hour (do not enter any tenths)**
  3. **Enter the pump number to be used**
  4. **Begin pumping of the fuel**
  5. **When the nozzle clicks off, turn the pump lever to the OFF position**

     DO NOT TOP OFF!

- **Return the nozzle to the pump**
- **Place absorbent on any spilled or dribbled product fitting**
- **Pick up any absorbent you put down and place it in the dirty absorbent container.**

IF THERE ARE PROBLEMS FUELING, CONTACT THE MAINTENANCE OPERATIONS CENTER AT 503-460-4683

ANY SPILLS (BEYOND MINOR DRIPS) AND/OR EMERGENCIES SHOULD BE REPORTED TO THE PDX COMM. CENTER AT 503-460-4000

For additional Information: refer to the PDX SPCC Plan and associated procedures (available on the Port's Navigator intranet site on the Environmental page) or contact Aviation Environmental if you have questions. **Updated 04-28-2011.**

TANK LOADING AND UNLOADING PROCEDURES

If there is a spill, contact the PDX Comm. Center at 503-460-4000 to implement spill response.

1. Ensure the tank trunk is accurately spotted, brakes are set and wheels are chocked. Drivers are NOT ALLOWED to remove wheel chocks until all lines are disconnected.

2. The driver must remain with the vehicle during the entire loading or unloading period.

3. No flame of any kind is permitted near the tank truck or within the vapor area around the tank truck. Smoking is strictly forbidden within this area. Only spark-proof tools are to be used.

4. Make sure the tank being loaded is vented before connecting the loading line.

5. Read the level indicator or visually inspect the receiving tank to be sure sufficient space is available to receive the material being transferred.

6. Attach ground trap to bumper of tank truck, if required. Place catch pans in position under tank truck connections as needed to catch any liquid that may leak during the transfer

7. Place spill mats over any nearby storm drains that are in the flow path of a potential spill.

8. Remove the tank truck unloading line closure carefully. If significant leakage occurs, contact your supervisor for instructions.

9. Be sure connections between dispensing and receiving tanks are secured before opening the valves for liquid transfer.

10. Start pump and check to be sure there is no leakage at any of the connections or anywhere along the transfer lines. If leak is present, immediately stop the pump, shut the valves, and repair the leak.

11. After liquid has been transferred, stop pump, close all valves, disconnect loading or unloading line, replace closures on valve lines, inspect the lowermost drain and outlets of vehicle for leakage and correct as necessary, and release truck/tank car.

12. Prior to departure, the driver of a tank truck is required to examine the lowest drain and other outlets for leakage. Where necessary, outlets are adjusted to prevent leakage in transit.

13. **In the event of a spill :**
    - **Non-Emergency/Incidental Spills**: use materials in the spill kit to contain and absorb spill. Place used absorbent in the used absorbent container.
    - **Emergency/Hazardous Material:** In the event of a spill of hazardous material, a spill you need assistance with, or any emergency, **call the PDX Comm. Center at 503-460-4000 to implement the Spill Response Plan and/or Emergency Response.**

For additional Information: refer to the PDX SPCC Plan and associated procedures (available on the Port's Navigator intranet site on the Environmental page) or contact Aviation Environmental if you have questions. **Updated 04-28-2011.**

APPENDIX F

SPCC TRAINING LOG

Port of Portland
Airport: 7000 NE Airport Way
Maintenance Facility: 7111 NE Alderwood Road
Central Utility Plant: 7110 NE Airport Way
Fire Training Facility: NW corner of airfield
PDX Fire Department: 5250 NE Marine Drive
Deicing Treatment Plant: 10150 NE 33rd Drive

Spill Prevention Control and Countermeasure Plan
Employee Training Log

Note: New employees shall receive initial training in the contents and implementation of the SPCC Plan upon start of their employment. All employees shall receive annual refresher training.

SPCC Initial and Annual Training Agenda
• An introduction to pollution control laws • Contents of SPCC Plan • Rules and regulations pertaining to the use and storage of petroleum products • Inspection, operation, and maintenance of spill equipment and petroleum storage and dispensing equipment • Spill response and cleanup • Spill notification and recordkeeping • Spill prevention practices

Instructor(s): _____

Date and Time of Training: Start _____ Finish _____

Names of Employees Attending	Employee Signatures

The training conducted on _____ identified the following corrective actions to be taken:

APPENDIX G

INSPECTION AND MAINTENANCE FORMS

PDX SPCC Monthly Spill Kit Maintenance

1 Upper Concourse North - Roadway

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

2 Upper Concourse South - Roadway

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

3 Lower Concourse North - Roadway

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

4 Lower Concourse South - Roadway

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

5 Parking Structure Exit Plaza

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

6 Economy Parking Exit Plaza

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

7 Standard Bus Lot

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

Inspector: _____ **Date:** _____

PDX SPCC Monthly Spill Kit Maintenance

8 Concourse B - West

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

9 Terminal Building Dock Security

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

10 Concourse C - North Central

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

11 Concourse D - International Bus

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

12 Concourse D - North Central

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

13 Concourse E - Northeast

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

14 Fire Department (#272: 2,000 gal Diesel Fuel)

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

Inspector: _____ **Date:** _____

PDX SPCC Monthly Spill Kit Maintenance

15 PDX Mx Used Oil Tank

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

16 PDX Mx Fuel Island

	Action	Quantity
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags

17 PDX Mx U.G. Fuel Tanks

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

18 PDX Mx Spill Response Trailer

√ **Fire Extinguisher inspect. date and gauge:**

√ **Contact MOC for maintenance**

√ **List spill equipment replaced:**

√ **Comments**

19 PDX Mx Mobile Fuel Polishing Trailer

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

	Action	Quantity
√	Spill Kit tamper seal in place	
√	Spent spill material removed	/gals
√	Clay Absorbent replaced	/bags
√	Absorbent Pads replaced	/ct
√	Small booms replaced	/ct
√	Boot covers	/ct
√	Nytril gloves	/ct
√	Spill reports completed/removed	/ct
√	Other:	
√	Kit exterior in good condition	

Inspector: _____ **Date:** _____

	Items	Size	Trailer	Spill Kits
PPE				
	Nytril Gloves	large & extra large	4 boxes	2 pair
	Heavy Chem-Resist Glove	large & extra large	2 pair	
	Safety Glasses		4 pair	
	Tyvek Coveralls	large & extra large	6	
	Tyvek Boot Covers	extra large	6 pair	2 pair
	Rubber Boots	extra large	6 pair	
	Reflective Safety Vest	extra large	2	
	Hard Hat		2	
	Ear Plugs		1 box	
	Ear Protectors		1	
	Duct Tape	roll	2	
Spill Clean-up Supplies				
	Absorbent Boom/Sock	5" x 10'	6	1
	Petroleum Absorbent Pads	50/bag	2 bags	20 pads
	Chemical Absorbent Pads	50/bag	1 bag	
	Granular Absorbent - Spill Mate	80 lbs.	1 drum	5 lbs.
	Granular Absorbent - Ultrasorb	33.33 lbs.	6 bags	
	Volatiles Absorbent - Floor Gator	30 lbs.	1	
	Clean Rags		10	
Spill Clean-up Equipment				
	Whisk Broom		1	1
	Stiff Bristle Broom		4	
	Push Broom		4	
	Large Bristle Push Broom		2	
	Long-Handled Metal Shovel		1	
	Short-Handled Plastic Shovel		4	
	Dust Pan		1	1
	Storm Drain Mat		1	
	Generator & Fuel		1	
	Blower & Hose		1	
	Shop Vac		1	
Hand Tools				
	Drum Wrench/Socket Wrench		1	
	Crescent Wrench		1	
	Channel Lock Pliers		1	
	Wire Cutters		1	
	Utility Knife		1	
	Screwdriver		1	
	Phillips Screwdriver		1	
Emergency, Safety, First Aid & Reporting				
	Clipboard		1	
	Inventory Checklist		1	1
	Emergency Contact Information		1	1
	PDX SPCC Map		1	1
	Spill Report Form		1	1
	Sharpies, Pens		2	1
	First Aid Kit		1	
	Eye Wash Station & Solution		1	
	Hand Cleaner		1	
	Fire Extinguisher (ABC)		1	
	Caution Tape	roll	1	
	Traffic Cones		20	
	Flashlight & Batteries		2	
Storage & Disposal				
	55-Gallon Drum & Lid	55 gallon	1	
	Drum Dolly		1	
	Step Ladder (4-foot)		1	
	Drum Labels (Haz, Non-Haz, Hold)		6	
	Plastic Bucket & Lid	5 gallon	2	1
	Heavy Plastic Garbage Bags		10	1

Monthly AST Inspection - PDX Maintenance Facility SPCC Inspection (Updated June 2020)

Refer to PDX SPCC Section 4, SPCC Map, and Apendix B Tank/Area Data Sheets

Date: **Inspector:**

Tank No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment / Spill Kit	Comments / Actions
Tank Vehicle 16232 PDX-0512	**7111 NE Alderwood (Service vehicle, parking in Equipment Storage Building)**	**Diesel Fuel 100 gal**	Yes No	Good Fair Bad	Good Fair Bad ***Spill Kit on truck. No engineered containment - drain to ground***	
Fuel Polishing System PDX-0390	**7111 NE Alderwood (Vehicle Storage)**	**Diesel Fuel 110 gal**	Yes No	Good Fair Bad	Good Fair Bad ***Single-walled tank, building Interior. Flows to floor.***	
Tank 273 PDX-0273	**7111 NE Alderwood (Exterior, Vehicle Maintenance Facility)**	**Used Oil 500 gal**	Yes No Level_____ Gals_____	Good Fair Bad	Good Fair Bad ***Doubled-walled AST. Flows to interstitial space. CHECK BETWEEN HOUSING AND AST for OIL OVERFLOW.***	
Tank 358 PDX-0358	**7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)**	**Transmission Fluid 275 gal (blue tank)**	Yes No	Good Fair Bad	Good Fair Bad ***Building interior. Oil Room. Floor drain is plugged. Service bay drums supported by spill pallets.***	

Date: **Inspector:**

Tank No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment / Spill Kit	Comments / Actions
Tank 12 PDX-0012	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Antifreeze 275 gal (blue tank)	Yes No	Good Fair Bad	*Building interior. Oil Room. Floor drain is plugged. Service bay drums supported by spill pallets.*	
Tank 357 PDX-0357 (10)	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Hydraulic Fluid 250 gal (1 of 4 tanks in black tank)	Yes No	Good Fair Bad		
Tank 357 PDX-0357 (13)	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Motor Oil (Triton Vego Plus Low Ash) 500 gal (1 of 4 tanks in black tank)	Yes No	Good Fair Bad		
Tank 357 PDX-0357 (14)	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Gear Oil 250 gal (1 of 4 tanks in black tank)	Yes No	Good Fair Bad		
Tank 357 PDX-0357 (15)	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Gear Oil 250 gal (Guardall Oil 15W40) (1 of 4 tanks in black tank)	Yes No	Good Fair Bad		

Date: **Inspector:**

Tank No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment / Spill Kit	Comments / Actions
Maintenance Facility Drum Storage	7111 NE Alderwood (Vehicle Maintenance Facility Oil Room)	Various petroleum Products (greases, oils - up to twelve 55-gal drums)	Yes No	Good Fair Bad	*Building interior. Oil Room. Floor drain is plugged. Service bay drums supported by spill pallets.*	
Tank 279 PDX-0279	7111 NE Alderwood (Maintenance Facility north)	Diesel Fuel 500 gal	Yes No	Good Fair Bad	Good Fair Bad ***Doubled-walled, interstitial.***	**Inspection of Tank 279 owned by Storm Water Group**
Tank 279 PDX-0417	7111 NE Alderwood (Emergency Generator Room, Ancillary Day Tank, Loading Dock east)	Diesel Fuel 100 gal	Yes No	Good Fair Bad	Good Fair Bad ***Single-walled tank, building Interior. Flows to floor.***	
HazMat Storage Building Drum Storage	NE Alderwood (HazMat Building Main Rm. No. Central Wall)	Various petroleum Products (fuels, Oils, greases - up to six 55-gal drums)	Yes No Drum count _____	Good Fair Bad	Good Fair Bad **Building interior. Floor drains to oil-water separator and containment tank.**	

Notes:

SPCC Monthly Inspection - PDX CUP Generator ASTs and Rectifier Readings (Updated June 2020)

Refer to PDX SPCC Section 4, SPCC Map and Apendix B Tank/Area Data Sheets

Date:	Inspector:

AST - Generators

AST No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment	Comments / Actions
Tank - 282 PDX-0282	**7320 NE Airport Way (Emergency Generator Room)**	**Diesel Fuel 150 gal DOT1**	Yes No	Good Fair Bad	Good Fair Bad Single-walled AST. Outer Shell surrounding tank 231 gal cap. Building interior	
Tank - 283 PDX-0283	**7320 NE Airport Way (Emergency Generator Room)**	**Diesel Fuel 150 gal EG2**	Yes No	Good Fair Bad	Good Fair Bad Single-walled AST. Outer Shell surrounding tank 231 gal cap. Building interior	
Tank - 284 PDX-0284	**7320 NE Airport Way (Emergency Generator Room)**	**Diesel Fuel 150 gal EG3**	Yes No	Good Fair Bad	Good Fair Bad Single-walled AST. Outer Shell surrounding tank 231 gal cap. Building interior	
Tank - 285 PDX-0285	**7320 NE Airport Way (Emergency Generator Room)**	**Diesel Fuel 150 gal DOT4**	Yes No	Good Fair Bad	Good Fair Bad Single-walled AST. Outer Shell surrounding tank 231 gal cap. Building interior	

Rectifier Readings

		Rectifier Voltage Reading	Rectifier Current Reading	Comments
CUP	**7320 NE Airport Way Annex Building**			

Notes:

SPCC Monthly Inspection - PDX ARFF Generator ASTs (Updated June 2020)

Refer to PDX SPCC Section 4, SPCC Map, and Apendix B Tank/Area Data Sheets

Date:	Inspector:

AST No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment	Comments / Actions
Tank 22 PDX-0022	**5250 NE Marine Dr (ARFF/ Fire Training Facility)**	**Jet Fuel 2,000 gal**	Yes No	Good Fair Bad	Good Fair Bad Concrete berm - flows to adjacent o/w separator and to holding tank for subsequent disposal	
Tank 23 PDX-0023	**5250 NE Marine Dr (ARFF/ Fire Training Facility)**	**Jet Fuel 2,000 gal**	Yes No	Good Fair Bad	Good Fair Bad Concrete berm - flows to adjacent o/w separator and to holding tank for subsequent disposal	
Tank 24 PDX-0024	**5250 NE Marine Dr (ARFF/ Fire Training Facility)**	**Recycled Jet Fuel 400 gal**	Yes No	Good Fair Bad	Good Fair Bad Concrete berm - flows to adjacent o/w separator and to holding tank for subsequent disposal	
Tank 272 PDX-0272	**5250 NE Marine Dr (ARFF/ PDX Fire Department)**	**Diesel Fuel 2,000 gal**	Yes No	Good Fair Bad	Good Fair Bad Double-walled AST and aboveground piping. Interstitial space of double-walled contianment system.	

Notes:

Monthly PDX Terminal and CUP Transformer, Regulator, and Indoor AST Inspection (Updated June 2020)

Refer to PDX SPCC Section 4, SPCC Map, and Apendix B Tank/Area Data Sheets

Date:	**Inspector:**	**Signature:**

Transformers - CUP

ID No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment	Comments / Actions
PDX Xfmr #1359002345 [northeast] PDX-0508	CUP Courtyard Xfmrs	Transformer Fluid 544 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr #1359002346 [center] PDX-0511		Transformer Fluid 544 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr #1359002365 [southeast] PDX-0509		Transformer Fluid 1,045 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr #HBB5445-001T [southwest] PDX-0510		Transformer Fluid 753 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr PDX-0551	West of CUP Courtyard	Transformer Fluid 196 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr PDX-0552		Transformer Fluid 196 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	

Date:	Inspector:	Signature:

Transformers - Parking Structure, Employee Parking, and Quick Turn Around Area

PDX Xfmr P1205A Transformer P1-A PDX-0521	Parking Structure 1st Flr. SW Corner Rooms	Transformer Fluid 550 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr P1204B Transformer P2III Emergency PDX-0522		Transformer Fluid 275 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr Pump Station PS-A PDX-0505	Pump Station PS-A	Transformer Fluid 232 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr Pump Station PS-A PDX-0506	Pump Station PS-A	Transformer Fluid 202 gallon	Yes No	Good Fair Poor	Good Fair Poor Storm drain outfitted with insert maintained in the closed position	
PDX Xfmr Employee Lot PDX-0507	Employee Lot	Transformer Fluid 175 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr QTA [northwest] PDX-0512	QTA	Transformer Fluid 215 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr QTA [south] PDX-0553		Transformer Fluid 683 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	

Date: **Inspector:**

Transformers - Terminal and Concourse B and C

ID No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment	Comments / Actions
	Concourse B at Gate B1 1st Flr. Rm B110A	Transformer Fluid 240 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and boom wrapped	
PDX Xfmr TCA [north] PDX-0520	Concourse C West at Gate C-15 Rm. C1080	Transformer Fluid 481 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr TCB [south] PDX-0519		Transformer Fluid 481 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr T2B PDX-0517	Terminal North Baggage Tunnel Rm. T1344B	Transformer Fluid 204 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr T3B PDX-0518		Transformer Fluid 204 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	

Date: **Inspector:**

Transformers - Concourse D and E

ID No.	Location	Description / Contents	Note Evidence of Leaks or Spills	Note Condition of Tank, Exposed Pipes and Supports	Note Condition of Containment	Comments / Actions
PDX Xfmr TDB [east] PDX-0513	Concourse D at gate D-9 Rm. D1620	Transformer Fluid 306 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and containment curbs	
PDX Xfmr ET-E PDX-0514	Concourse E at Gate E-1 Rm. T1550A	Transformer Fluid 188 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and boom wrapped	
PDX Xfmr TE-A [south] PDX-0516	Concourse E East of Gate E-1 Rm. E1000	Transformer Fluid 290 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and boom wrapped	
PDX Xfmr TE-B [north] PDX-0515		Transformer Fluid 290 gallon	Yes No	Good Fair Poor	Good Fair Poor Indoors and boom wrapped	

Notes:

APPENDIX H

SUBSTANTIAL HARM CRITERIA CHECKLIST [40 CFR 112.20(E)]

A "yes" to any of the checklist criteria requires submittal of a Facility Response Plan, per 112.20.

SUBSTANTIAL HARM CRITERIA APPLICABILITY FOR CERTIFICATION
(40 CFR 112.20(e), Appendix C)

FACILITY NAME: Port of Portland
FACILITY ADDRESS: Airport: 7000 NE Airport Way
Maintenance Facility: 7111 NE Alderwood Road
Central Utility Plant: 7320 NE Airport Way
Fire Training Facility: NW corner of airfield
PDX Fire Department: 5250 NE Marine Drive
Deicing Treatment Plant: 10150 NE 33rd Drive

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes ____ No ____

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
   Yes ____ No ____

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
   Yes ____ No ____

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake?
   Yes ____ No ____

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last five years?
   Yes ____ No ____

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Name (please type or print)	Signature
Title	Date