Section G
Contingency Plan

Section G—Contingency Plan

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Section G—Contingency Plan
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1. Site Location

1.1. Location and Directions

1.1.1. The Hazardous Material Building (HMB; Z-1255; Permitted Unit) is located on the Ross Complex at 5411 NE Highway 99, Vancouver in Clark County, Washington 98666, at Section 14, Township 2 N., Range 1 E. (North Latitude 45° 39' 41.8774" and West Longitude 122° 39' 29.2256"). See Figure G-1 – Site Location.

1.1.2. The Ross Complex is approximately 3 miles north of the City of Vancouver, Washington. The site is bounded to the west by Highway 99 and a lightly populated residential district, to the north by Cold Creek and the Hazel Dell residential community, to the east by the Minnehaha residential community, and to the south by the Burnt Bridge Creek and residential area. To reach this facility from Vancouver, proceed north on Interstate Highway 5 (I-5) for 3 miles to Exit 3 (Highway 99). At the first light, turn right onto N.E. Ross Street; where the road splits to the north and south, turn north (left) and proceed up the hill into the Ross Complex (North Road). Stay to the left; the HMB (Z-1255) is the second building on the left from the fueling island. Figure G-1 shows the access routes to the HMB; Figure G-2 is the HMB Floor Plan.

1.2. Objective of Contingency Plan

1.2.1. The objectives of the Permitted Unit Contingency Plan are to minimize and prevent hazards to human health or the environment inside or outside of the Permitted Unit from fires, explosions, or any unplanned, sudden or non-sudden, release of dangerous wastes or dangerous waste constituents to air, soil, or surface water. This plan also applies to the management of hazardous materials at the Permitted Unit in which a release may require preventive and responsive actions on the part of BPA. Within the complex, dangerous waste is held in central accumulation areas. The permit is specific to the Hazardous Material Building, the permitted unit, which has its own Contingency Plan which folds into the larger facility wide Contingency Plan. Current copies of this plan are maintained at the following locations or with the following personnel:

On Site:

- Emergency Coordinator
- Manager, HMB
- Chemistry Laboratories
- Heavy Equipment Garage
- Maintenance & Construction Shops
- Warehouse Flammable Storage
- Environmental Specialist

Off Site:

- Environmental Office at BPA Headquarters in Portland, Oregon

1.2.2. Additional copies were provided to the local emergency authorities listed in Section 13, Descriptions of Agreements.

2. Facility Operations and Security

2.1. Operations

2.1.1. Regulated waste operations include consolidation and storage activities prior to shipment to a permitted off-site waste management facility.

2.1.2. The Permitted Unit currently operates 4 days a week, 10 hours a day, 6:00 a.m. to 4:30 p.m. The current crew consists of three workers and one manager knowledgeable in emergency response and notification procedures. Employees receive training, instruction, and review in building operations, emergency procedures, and contents of the Contingency Plan. See Section 4.1, Duties and Authority; 4.2, Qualifications; and Section H, Personnel Training, for further discussion of these procedures.

2.2. Security

2.2.1. The Ross Complex, in which the Permitted Unit is located, is surrounded by a chain link fence topped with three strands of barbed wire. The North gate into the Ross Complex is attended by security guards 24 hours a day, 7 days a week, and access is limited to badged employees and visitors who have received entry clearances. Other gates are closed and locked at all times but are accessible to employees with proximity badges. A truck entry gate is located off Minnehaha St. at the northeast end of the complex. The truck gate is attended by a security guard when deliveries are scheduled, but it is closed and locked at all other times.

2.2.2. The Permitted Unit is locked 24 hours a day. During non-operating hours, all doors remain locked. At the close of business each operating day, the doors are checked to verify that they are secured and locked. Security guards are present at the Ross Complex 24 hours a day, 7 days a week. Guards patrol throughout the facility checking for vandalism and unauthorized entry.

2.2.3. All operational, security, safety, emergency, and container storage areas are inspected on a regular schedule based on operational experience and engineering knowledge of the equipment and systems. Scheduled inspections are completed using pre-printed forms that list the item/feature checked for the equipment or system to ensure proper safe operation and readiness. The contents of the weekly and monthly inspections are itemized in Section F, Procedures to Prevent Hazards, Attachments F-1 and F--2, respectively.

3. Dangerous Wastes Handled at the Permitted Unit

3.1. Purpose

3.1.1. The Permitted Unit is used for the storage of solid and liquid wastes prior to consolidation for shipment to a recycling facility or to a state- or EPA-permitted dangerous waste management facility. Attachment G-1, Identified Dangerous Waste Streams Managed at Permitted Unit, describes the range of materials that typically may be received at the facility. Figure G-2 shows the operational areas where wastes are received, stored, and consolidated for shipment.

4. Emergency Coordinators [WAC 173-303-360(1),(2)]

4.1. Duties and Authority

4.1.1. The Emergency Coordinator (EC) is responsible for coordinating emergency response procedures in the event of any fires, explosions, unplanned releases, spills, or other emergency situations occurring at the building (Table G-1 lists current EC and Environmental Contacts). The EC's duties include the following:

- Ensure personnel safety.
- Assess the nature, severity, and material(s) involved in the situation.
- Initiate the Contingency Plan, if appropriate, and evacuate the facility (or facilities), if necessary.
- Direct containment and control operations.
- Contact emergency agencies and notify the proper local, state, and federal agencies listed at the top of Table G-2.
- Initiate cleanup and emergency equipment replenishment (cleaning and restocking equipment).

4.1.2. The EC is thoroughly familiar with all aspects of the Permitted Unit's Contingency Plan, including all operations and activities at the building, the locations and characteristics of wastes handled, the location of all records within the building, and the building layout. In addition, this person has the authority to commit all the necessary BPA resources needed to carry out the Contingency Plan.

4.1.3. The Primary EC or an Alternate EC will be at the Ross Complex or on call at all times during both operational and non-operational hours. The Primary EC is typically at the facility Monday through Thursday from 6:00 a.m. to 4:30 p.m. and can be reached by telephone or cell phone. Table G-1 lists the name; office and cell phone numbers of the Primary EC and Alternates.

4.2. Qualifications

4.2.1. The EC has at least 24 hours of training beyond the First Responder Awareness Training Level and demonstrates competencies in the areas as outlined in WAC 173-303-360(1). Employees receiving training at this level develop:

- An understanding of what hazardous substances are, and the risks associated with them in an incident.

- An understanding of the potential outcomes associated with an emergency created when hazardous substances are present.
- The ability to recognize the presence of hazardous substances in an emergency.
- The ability to identify the hazardous substances, if possible.
- An understanding of the role of the first responder in the employer's emergency response plan, including site security and control and the U.S. Department of Transportation's Emergency Response Guidebook.
- The ability to realize the need for additional resources, and to make appropriate notifications to Alternate ECs, BPA Environmental personnel, Spill Response Contractors, and Emergency Response and Regulatory Agencies.

4.2.2. The initial 24 hours of classroom instruction completed by the ECs is provided by outside vendors who are qualified by the Occupational Safety and Health Administration (OSHA) to provide this training. The HAZWOPER 8 Hour Refresher Course will provide updated information regarding emergency response and may be provided by a vendor or in combination with BPA's Safety Office and a vendor. The course titles that the EC is required to complete are provided in Section H, Personnel Training, and completion records can be found in BPA's electronic training records database.

5. Circumstances Prompting Implementation [WAC 173-303-350(1) and (2), 360(1) and (2)]

5.1. Examples of Emergency Incidents

5.1.1. The Contingency Plan is designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of dangerous waste or dangerous waste constituents to air, soil, or surface water.

NOTE: **IN THE EVENT OF AN OIL RELEASE** at the J. D. Ross Substation/345-kV Yard, elsewhere at the HMB, the Permitted Unit, or the Ross Complex, the site-specific Spill Prevention, Control, and Countermeasure (SPCC) Plan(s) should be consulted.

5.1.2. This section lists situations that require implementation of the Contingency Plan. It shall serve as an aid to the EC and the Alternate ECs in determining when to implement the Plan. The EC and Alternates have full authority to invoke this plan when necessary to bring an emergency under control. Where human health or the environment inside or outside of the building is threatened, the emergencies would call for the implementation of the Contingency Plan.

5.1.3. Listed below are detailed examples of the emergency incidents requiring implementation of this Contingency Plan.

5.2. Fire and/or Explosion

5.2.1. Any fire or explosion at the Permitted Unit or HMB.

5.2.2. Any fire or explosion that could spread to or otherwise affect operations at the Permitted Unit.

5.3. Spills / Releases of Dangerous Waste or Hazardous Substances [WAC 173-303-145(2); WAC 173-303-360(2)(a)

5.3.1. At the Permitted Unit:

5.3.1.1. A sudden or non-sudden spill, release, or other discharge of a dangerous waste or hazardous substance which poses a threat to human health or the environment, regardless of quantity.

5.3.1.2. A spill, release, or other discharge which has the potential for contamination of soil, surface water, or groundwater regardless of size. Examples are spills or releases to soil and releases of organic solvents to asphalt.

5.3.1.3. An uncontrolled spill, release, or other discharge originating from a damaged shipment/unacceptable shipment which has arrived at the Permitted Unit in such a condition.

5.3.1.4. A container(s) of dangerous waste arriving at the facility is damaged so as to present a hazard to human health and the environment.

5.3.1.5. The shipment cannot be transported because the containers are damaged to such an extent, or the waste is in such a condition, as to present a hazard to the human health or the environment in the process of further transportation.

5.3.1.6. A spill, release, or other discharge of dangerous waste or hazardous substance greater than 100 pounds (12 gallons) or the "reportable quantity" established in the most recent version of 40 CFR Part 302 Table 302.4 (whichever is less) when any portion of the release extends beyond secondary containment.[1]

5.3.1.7. A release of gas to the air originating from an unplanned reaction of materials

5.3.1.8. Emissions to the air from a spill, release, or other discharge (including to secondary containment) of a dangerous waste or hazardous substance when:

[1] BPA considers all spills inside the Permitted Unit to be "contained" whether the spilled material is inside or outside of the trenches or sumps (for example, material spilled to concrete or steel-plated floor), except as described in Section 5.3.1.6.

5.3.1.9. The spill or release is greater than 100 pounds (12 gallons) or a reportable quantity in 40 CFR 302. Table 302.4 (whichever is less)

5.3.1.10. Any constituents in the dangerous waste or hazardous substance having a Henry's Law constant of at least 0.1 mole-fraction-in-the-gas-phase/mole-fraction-in-the-liquid-phase at 25 degrees Celsius or is a volatile organic compound detected by SW 846 Method 8260D. Attachment G-2 lists compounds extracted from Appendix VI of 40 CFR 265 and U.S. EPA Method 8260D.

5.3.1.11. A spill, release, or other discharge or potential for release of dangerous waste or hazardous substance caused by a natural disaster including but not limited to:

5.3.1.12. Earthquake or severe flooding conditions which damage equipment, foundations, structures, or tanks.

5.3.1.13. Severe storm involving high winds or lightning which damage or overturn tanks, containers, or other equipment.

6. Emergency Response Procedures [WAC 173-303-350(3)(a); 173-303-360 (2)(a), (b), (c), (d)]

6.1. Employee Response

6.1.1. Any employee, when faced with an actual or imminent emergency, will first attend to their own safety. Then, if it is safe to do so, they will attend to other employees requiring immediate assistance. The employee also will notify all building personnel by means of alarm signals listed in Table G-3, Alarm Signals. Locations of telephones/intercoms and alarm pull boxes are shown in Figure G-2. Practice emergency drills, during which employees use the various alarms and alarm signals, are held annually.

6.1.2. In all emergency situations (regardless of size or extent), the employee involved in or discovering the situation will contact the EC and provide information as to the location, nature, and extent of the incident. The names, addresses, and telephone numbers of the Primary and Alternate Emergency Coordinators are listed in Table G-1. See Section 7 for notification procedures.

6.1.3. Section 8 outlines BPA's response to emergency situations for the containment and control of emergency situations, including injured or endangered employees, fires and explosions, spills and releases, and damaged shipments.

6.2. Emergency Coordinator Response

6.2.1. The EC will assess the situation immediately after an incident occurs (or immediately on arrival at the site if not on the site at the time of the incident, or when an emergency is imminent). The EC will identify the character, source, quantity, and aerial extent of the released materials (see Section 8), and determine the appropriate

emergency response actions, including implementation of the Contingency Plan where human health or the environment are threatened. The EC will ensure that the BPA procedures for containment and control of emergency situations are initiated. If necessary, the EC will contact outside emergency service providers. In the event of any emergency (regardless of size or extent), the EC will contact the Ross Complex Environmental Specialist, who will notify the appropriate local, state, and federal agencies as required (see Section 13).

6.2.2. The selection of appropriate response actions will depend on the consideration and assessment of the following factors:

- The severity and nature of the incident: fire, explosion, or material release.
- The potential for severe consequences:
  - What is the location of the incident and to what extent might other areas become involved?
  - Are persons near the Permitted Unit or off BPA property in danger?
  - Will surrounding property not owned by BPA be damaged or contaminated?
  - Is there a threat to air and/or soil?
  - Is there a threat to surface water and/or groundwater?
  - What are current weather conditions—temperature, wind direction, and velocity—and how might response activities be affected?

6.3. Security Personnel Response

6.3.1. BPA security personnel who are present at the Ross Complex 24 hours a day, 7 days a week, are instructed to first attempt to contact the Primary Emergency Coordinator listed in Table G-1. If unable to contact the Primary EC at any of the listed numbers, they are to then attempt to contact one of the Alternate ECs listed in the order given in Table G-1. And if necessary, they will also contact appropriate emergency response agencies.

6.3.2. Security personnel are instructed to contact the EC in event of unauthorized entry, fire, power outage, severe weather events, evidence of leaks or spills, alarms, or other unusual situations, both on the site or on neighboring property, which could potentially impact the Permitted Unit.

7. Notification [WAC 173-303-145, 360(2)(d),(e)]

7.1. EC Responsibilities

7.1.1. The EC will contact the Alternate ECs, as necessary, and the Ross Complex Environmental Specialist in the event of any emergency regardless of size or extent. The EC will supply specific information as to the type, quantity, and location of the emergency. The EC will determine if the circumstances prompting implementation of

the Contingency Plan have been met (see Section 5), then the EC, the Alternate EC, or the Environmental Specialist will notify the proper local, state, and federal agencies immediately following this determination. The EC or staff designee will immediately contact these agencies if it is determined that the emergency threatens human health or the environment.

7.2. Conditions Requiring Ecology Notification

7.2.1. At a minimum, the conditions under which the agencies will be notified are as follows:

- A fire or explosion at the Permitted Unit or any fire or explosion at the Ross Complex that could spread to or otherwise affect operations at the Permitted Unit.
- An incidence of non-compliance with this permit that could threaten human health or the environment.
- Any natural disaster that could affect the operation of the Permitted Unit and as a result could threaten human health or the environment.
- In accordance with WAC 173-303-145(2) and WAC 173-303-360(2)(a), a sudden or non-sudden release of a dangerous waste or hazardous substance which poses a threat to human health or the environment, regardless of quantity.
- A spill, release, or other discharge of dangerous waste or hazardous substance at the Permitted Unit greater than 10 pounds (1.2 gallons) or the "reportable quantity" established in the most recent version of 40 CFR Part 302 Table 302.4 (whichever is less) outside of secondary containment.
- A spill, release, or other discharge of dangerous waste or hazardous substance at the Permitted Unit greater than 100 pounds (12 gallons) or the "reportable quantity" established in the most recent version of 40 CFR Part 302 Table 302.4 (whichever is less) inside secondary containment.
- Any incident that causes implementation of the Contingency Plan (see Section 5).

7.2.2. The names and phone numbers of these agencies are listed at the top of Table G-2, in the order of proper response/notification.

7.2.3. Specific information concerning the emergency must be provided to the Washington Department of Ecology (Ecology) and Local and/or State Emergency Response Committees. An example of an Emergency Information Reporting form is presented in Attachment G--3. Additional copies may be obtained from the Ross Complex Environmental Specialist or the Office of Environment.

7.3. Required Information

7.3.1. Notification to Ecology will include the following:

- Name and phone number of reporter
- Name and address of facility
- Time and type of incident (fire, release)

- Name and the quantity of material(s) involved to the extent known
- Extent of any injuries
- Possible hazards to human health or the environment outside the facility

7.3.2. Pursuant to 40 CFR 355.40(b)(1)(2), notification to Local and State Emergency Response Committees will further include, to the extent known:

- An indication of whether the substance is an extremely hazardous substance as defined by Appendices A and B of 40 CFR 355.
- Duration of the release.
- Medium or media into which the release occurred.
- Any known or anticipated acute or chronic health risks associated with the emergency and, where appropriate, advice regarding medical attention necessary for the exposed individuals.
- Proper precautions to take in the event of a release, when appropriate, including evacuation.
- Names and telephone numbers of person(s) to be contacted for further information.

7.3.3. A listing of required incident reports is presented in Section 15.

8. Emergency Situations

8.1. Hazard Assessment and Report [WAC 173-303-145, 350(3)(a), (b), 360(2)(i)(i), 630(2)]

8.1.1. Identification of the character, source, quantity, and aerial extent of the released materials can be made through the following methods and sources of information:

- Eyewitness accounts; employee discovering emergency
- Visual inspection: aerial extent, noted fumes, odors, discoloration, and reactions
- Source: origin of leak
- Containers involved, labels or placards
- Location of incident: operational or segregated storage area, or areas affected by a catastrophic event such as an earthquake or storm.
- In-plant records: waste tracking forms, shipping papers, and generator's waste profiles

8.1.2. If the proper identification cannot be made by using available information, an Environmental Contractor will be brought in to identify the material and, if necessary, to develop a /cleanup remediation plan. A sampling and analysis plan may be initiated

to quantify the extent of contamination and associated extent of cleanup needed (see Attachment G-4, Generic Cleanup Plan for Release to Concrete Surfaces or Soil).

8.1.3. The sections that follow discuss BPA emergency response procedures to minimize possible impact of emergency incidents on human health or the environment. All Permitted Unit personnel receive training in the containment and control procedures described in this section (see Section H, Personnel Training, for further discussion of job-specific introductory training). Emergency response procedures are described for the containment and control of emergency situations. This includes injured or endangered employees (Section 8.2), fires and explosions (Section 8.3), spills/releases (Section 8.4), and damaged shipments (Section 8.4.8). A written record will be kept of all incidents and the response. The reporting form will be equivalent to that shown in Attachment G-3, Emergency Information Reporting form. The forms will be maintained as part of the facility operating record. A generic cleanup plan to quantify the extent of contamination is presented in Attachment G-4.

8.1.4. It is the EC's responsibility to commit all necessary resources of the organization, including an outside contract cleanup service (when applicable), to assist in the control, containment, and cleanup of a release. The EC will notify the 911 dispatcher, if necessary, and will assume control of the emergency situation until such time as the local emergency response agency arrives.

8.1.5. Upon the arrival of the local response agency, the EC will relinquish control to the emergency response agency On-Scene Coordinator and offer support until the On-Scene Coordinator concludes the emergency response. The EC will provide the following information regarding the nature of the emergency to the On-Scene Coordinator:

- Location of the emergency.
- Identification/characteristics of dangerous materials involved or could become involved.
- If all on-site personnel have been accounted for.
- If personnel in the area either on site or off site are or may be in jeopardy.
- What responses BPA personnel have taken, are taking, or intend to take.
- Who has been notified and/or who should be notified.
- Building design layouts and available Spill Response Plans.
- Location, type, and description of emergency equipment maintained at the facility.

8.1.6. The EC may offer support to the On-Scene Coordinator by directing BPA personnel or security officers to:

- Assist with opening and controlling access through gates.
- Set up perimeter control tape.

- Conduct additional on-site evacuations and subsequent employee head counts.
- Make on-site or off-site notifications.

8.1.7. Table G-4 lists the type, location, and description of the emergency equipment maintained at the facility. Figure G-2 shows the locations of both the emergency equipment and the fire control equipment.

8.2. Injured or Endangered Employees

8.2.1. The following procedures will be followed if Permitted Unit employees are injured or endangered:

- Alert others who may be endangered, call for backup, and/or use alarm system signals (Table G-3).
- Use appropriate protective clothing and equipment.
- At employee discretion, apply first aid or CPR; first aid kits are located at various locations throughout HMB (see Figure G-2).
- If the situation is considered serious, call 911 if ambulance is needed. Send someone to the building entrance to help direct rescue personnel to the scene. Immediately notify EC (Table G-1).

8.3. Fires and Explosions

8.3.1. The following procedures will be followed in the event of fire or explosion:

- Shout "FIRE" warning.
- Alert others who may be endangered, call for backup, and use alarm signals (Table G-3).
- Cut off source, close valves, and/or shut down pumps/equipment.
- Use appropriate protective clothing and equipment.
- Should any employee choose to attempt to control a small fire, use no more than one wall-mounted fire extinguisher (extinguishers are located throughout the facility, as shown in Figure G-2).
- Install the dam hanging at door of office entering the Shipping/Receiving Room.[2]

[2] Should the sprinkler system be activated in Zone 6 (Electricians Shop: Room 101, and the Shipping and Receiving Area: Room 103), the available containment is 21,934 gallons. Required containment is approximately 15,176 gallons. The office doorway will be diked to divert fire water into rooms where adequate containment exists.

- If fire is not readily and easily controlled, then phone extension 7133 to use the intercom to evacuate building or pull the fire alarm (this will notify Security, then 5 minutes later, the Fire Department) to evacuate building (see Figure G-2 for pull box locations).
- Immediately notify EC (Table G-1).
- Attempt to contain spills or runoff by use of absorbent material and diking.
- Remove or isolate incompatible wastes, containers, and other materials away from fire when possible.

8.4. Spills and Releases

8.4.1. Covered Loading and Unloading Area

8.4.1.1. Containment trenches encircle the outer boundaries of the loading bay. Beyond the outer boundary of the bay is an asphalt apron coated with coal tar, which has a negative slope to the north, and a 6-inch concrete curb along the northern edge. Stormwater runoff accumulating along the curb is drained by catch basins tying to an oil/water separator.

8.4.1.2. Alert others who may be endangered, call for backup, and/or use intercom extension 7133 (Table G-3).

8.4.1.3. Cut off source, shut down equipment, and/or eliminate ignition sources.

8.4.1.4. Notify the EC per Section 6.1.2 and Table G-1.

8.4.1.5. The EC must refer to Section 5, Circumstances Prompting Implementation, to determine if the Contingency Plan should be implemented. Implement the Contingency Plan if required, then notify the Ross Complex Environmental Specialist.

8.4.1.6. Ross Complex Environmental Specialist will refer to Section 7, Notification, and if needed, notify Ecology.

8.4.1.7. Should fire sprinklers be activated, install the dam hanging at door of office entering the Shipping/Receiving Room.

8.4.1.8. Use appropriate protective clothing and equipment.

8.4.1.9. Attempt to contain spills in the secondary containment trenches and from reaching curb catch basins by use of absorbent material dikes and dams.

8.4.1.10. Contain and prevent further migration of any visible release to the environment outside of containment; provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.1.11. Use hand tools, sorbents, trash pumps from the Warehouse or vacuum trucks provided by outside Spill Response Contractors, to remove spilled materials from adjacent surfaces or secondary containment trenches. If the material is unknown or cannot be readily determined, enlist the services of

the Spill Response Contractor listed in Table G-2, to provide for sampling of the unknown material. Once materials are analyzed for compatibility and any constituents/parameters, provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.2. Shipping and Receiving (Room 103)

8.4.2.1. The floor in these areas is level in all directions and is epoxy-sealed, with the main transfer areas being covered by aluminum check plate. Released materials will tend to pool. Doors to the outside are protected by containment trenches or curbs.

8.4.2.2. Alert others who may be endangered, call for backup, and/or use intercom extension 7133 (Table G-3).

8.4.2.3. Cut off source, shut down equipment, and/or eliminate ignition sources.

8.4.2.4. Notify the EC per Section 6.1.2 and Table G-1.

8.4.2.5. The EC must refer to Section 5, Circumstances Prompting Implementation, determine if the Contingency Plan should be implemented. Implement the Contingency Plan if required, then notify the Ross Complex Environmental Specialist.

8.4.2.6. Ross Complex Environmental Specialist will refer to Section 7, Notification, and if needed, notify Ecology.

8.4.2.7. Should fire sprinklers be activated, install the dam hanging at door of office entering the Shipping/Receiving Room.

8.4.2.8. Use appropriate protective clothing and equipment.

8.4.2.9. Place container in overpack drum, if necessary.

8.4.2.10. Use absorbent materials to contain spill and prevent exposure to incompatible materials.

8.4.2.11. After containment is assured, transfer leaking container contents to another compatible drum. Spill residues and cleanup materials are to be placed in drums as well.

8.4.2.12. Contain and prevent further migration of any visible release to the environment outside of containment, and provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.2.13. Use hand tools, sorbents, and trash pumps from the Warehouse, or vacuum trucks provided by the Spill Response Contractor, to remove spilled materials from adjacent surfaces or secondary containment trenches. If the material is unknown or cannot be readily determined, enlist the services of the Spill Response Contractor listed in Table G-2, to provide for sampling of the unknown material. Once analyzed for compatibility and any

constituents/parameters, provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.3. Bulking Room (Room 104), Dangerous Waste Storage (Rooms 100 and 102)

8.4.3.1. The floors in these areas are coated with an epoxy sealant and sloped to containment trenches or sumps. Aluminum check plate overlays the coating in the Bulking Room.

8.4.3.2. Alert others who may be endangered, call for backup, and/or use intercom extension 7133 (Table G-3).

8.4.3.3. Cut off source, shut down equipment, and/or eliminate ignition sources.

8.4.3.4. Notify the EC per Section 6.1.2 and Table G-1.

8.4.3.5. The EC must refer to Section 5, Circumstances Prompting Implementation, to determine if the Contingency Plan should be implemented. Implement the Contingency Plan if required, then notify the Ross Complex Environmental Specialist.

8.4.3.6. Ross Complex Environmental Specialist will refer to Section 7, Notification, and if needed, notify Ecology.

8.4.3.7. Should fire sprinklers be activated, install the dam hanging at door of office entering the Bulking Room.

8.4.3.8. Use appropriate protective clothing and equipment.

8.4.3.9. If possible, isolate leaking or ruptured containers.

8.4.3.10. Place container in overpack drum, if necessary.

8.4.3.11. Use absorbent materials to contain spill and prevent exposure to incompatible materials.

8.4.3.12. After containment is assured, transfer leaky container contents to another compatible drum. Spill residues and cleanup materials are to be placed in drums as well.

8.4.3.13. Contain and prevent further migration of any visible release to the environment outside of containment and provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.3.14. Use hand tools, sorbents, and trash pumps from the Warehouse, or vacuum trucks provided by the Spill Response Contractor, to remove spilled materials from adjacent surfaces or containment trenches or sumps. If the material is unknown or cannot be readily determined, enlist the services of the Spill Response Contractor listed in Table G-2, to provide for sampling of the unknown material. Once analyzed for compatibility and any / constituents parameters, provide for cleanup and proper disposal of released materials and/or contaminated sorbents.

8.4.4. Releases to Air

8.4.4.1. The internal ventilation system vents to the outside air through a vent pipe on the roof. Air intakes are also located on the roof and, under certain conditions, air being vented may be drawn in through the outside intakes.

8.4.4.2. Alert others who may be endangered, call for backup, and/or use intercom extension 7133 (Table G-3).

8.4.4.3. Move from building to an upwind evacuation area. Move people from downwind (see Figure G-2).

8.4.4.4. Immediately notify the EC (Table G-1).

8.4.4.5. Use appropriate protective clothing and equipment.

8.4.4.6. Eliminate ignition sources.

8.4.4.7. Control emissions by cutting off source.

8.4.5. Seismic Event

8.4.5.1. Alert others who may be endangered (Table G-3), call for backup, and notify EC (Table G-1).

8.4.5.2. Use appropriate protective clothing and equipment.

8.4.5.3. If a release has occurred, cut off source, then contain and control.

8.4.5.4. Assess damage to equipment and containment structures.

8.4.5.5. If necessary, transfer waste to an authorized off-site facility.

8.4.6. Flooding Conditions

8.4.6.1. The Ross Complex, including the HMB, is located outside the 100-year floodplain, with the exception of a small portion of the southwestern corner of the complex.

8.4.6.2. Alert others who may be endangered, call for backup, and/or use alarm signals (Table G-3).

8.4.6.3. Use appropriate protective clothing and equipment.

8.4.6.4. Eliminate ignition sources and shut down operations.

8.4.6.5. Immediately notify EC (Table G-1).

8.4.6.6. Use diking to prevent flooding of critical areas indoors and outdoors, and around buildings and structures where necessary.

8.4.6.7. Use portable pumps to remove excess water from sumps and/or secondary containment areas; pump to appropriate storage tank or tank truck.

8.4.7. Freezing Conditions

8.4.7.1. Should freezing conditions result in fire sprinkler system pipes breaking and draining into the building and secondary containment structures, close valves to isolate as much of the piping system as possible.

8.4.7.2. Reposition materials as necessary to keep them out of water.

8.4.7.3. Notify EC (Table G-1) of a resulting spill or release of any kind.

8.4.7.4. Should a spill/release occur as a result of freezing conditions, follow spill/release response procedures described in the preceding scenarios.

8.4.8. **Damaged Shipments**

8.4.8.1. Damaged or leaking shipment control procedures will be initiated when (1) further transportation would present a hazard to human health or the environment, or (2) the shipment presents an unreasonable hazard to building operations or to building personnel.

8.4.8.2. Control procedures are as follows:

- Alert others who may be endangered, call for backup, and/or use alarm signals (Table G-3).
- Use appropriate protective clothing and equipment.
- Determine if leak can be stopped readily.
- Immediately notify EC (Table G-1) who will call in contractor cleanup/control assistance as needed (see Table G-2). The contractor will repackage the material to make it suitable for transport with an appropriately licensed transporter.
- Attempt to contain spills or runoff by use of absorbent materials (refer to Section 8.1, Hazard Assessment and Report).

9. Prevention of Recurrence or Spread of Fires, Explosions, or Releases [WAC 173-303-360(2)(f), (g), 360 (2)(i)(i)]

9.1. The EC will take all necessary steps to ensure that a secondary release, fire, or explosion does not recur after the initial incident. The EC will ensure that no wastes that may be incompatible with the released material will be stored in the affected area. Waste compatibility is determined in accordance with Section C, Waste Analysis, of this Part B permit application.

9.2. If the Permitted Unit stops operations in response to a fire, explosion, or release, then the EC will monitor associated containers for leaks, pressure buildup, or gas generation, or damage to other equipment in the permitted unit as well as tanks, valves, and piping in the remainder of the HMB until the emergency has ended and normal operations can resume.

9.3. The EC, together with the assistance of engineering/environment/safety staff, will evaluate the incident to understand why and how the incident occurred and what future modifications can

be initiated to prevent a recurrence of the same or similar situation. Evaluations will include equipment design, operational procedures, response tactics, and personnel safety.

10. Post-Emergency Actions [WAC 173-303-360(2)(h), 360(2)(i)(i)]

10.1. Storage of Released Materials

10.1.1. Once the emergency situation has ended, the EC, in consultation with the Ross Complex Environmental Specialist and the Manager of the HMB, will initiate the proper cleanup and storage of the released material and residues. This will occur as soon as possible in order to minimize potential danger to human health or the environment. The EC also will check to be sure that incompatible wastes are not stored in the affected area while cleanup and decontamination procedures are under way.

10.1.2. Released materials within the secondary containment areas of the building and / loading unloading bay will be pumped into appropriate containers for storage. Leaking containers will be segregated and placed in overpack drums if necessary. The released material and the contents of the leaking drums will be transferred to appropriate containers for storage.

10.1.3. Spill residues and cleanup materials, such as absorbents, diking material, and protective clothing, will be consolidated for storage and off-site disposal. Water from fire control or flooding will be analyzed for constituents that are suspected or known to be present. A determination of the appropriate management method will be made based on the results of these analyses.

10.2. Equipment Decontamination and Maintenance [WAC 173-303-360(2)(i)(ii)]

10.2.1. The EC is responsible for initiating and overseeing post-emergency equipment replenishment, maintenance, and inspection prior to resuming operations in the affected area. The entire building will be inspected after a seismic event.

10.2.2. All equipment used during the emergency will be decontaminated and ready for future use. Decontamination will be done by steam cleaning and/or triple washing with an appropriate cleaner. All rinsate will be contained analyzed, stored, and/or shipped off site. Fire extinguishers will be recharged and personnel protective equipment and absorbent materials will be replenished.

10.2.3. The emergency equipment available on the site is listed in Table G-4. The inspection of the emergency equipment will be conducted in accordance with Section F, Procedures to Prevent Hazards.

10.3. Reactivation of Activities in the Affected Area [WAC 173-303-360(2)(j)]

10.3.1. Impacted storage and operations areas will be inspected to ensure that they are in acceptable operating order as specified in Section F and in the Weekly Inspection Logs. Should any deficiencies be noted, they shall be corrected prior to resuming operations. Following consultation with the Ross Complex Environmental Specialist and Manager of the HMB, the EC will notify Ecology that the building is in compliance

with WAC 173-303-360(2)(j). This regulation specifies that before operations are resumed in the affected area(s) of the building, all emergency equipment used for the emergency must be cleaned and fit for its intended use and no waste incompatible with the released material may be stored or disposed of until cleanup procedures are completed. Additional reporting requirements are specified in Section 15, Incident Reports.

10.4. Personnel Debriefing

10.4.1. The EC, together with the assistance of the Ross Environmental Specialist and Operations personnel, will conduct debriefings of Permitted Unit personnel and local authorities to assess the effectiveness of the preparedness and prevention measures, response activities, control, and evacuation procedures related to the incident. Based on this review, the Contingency Plan will be evaluated and updated as needed.

11. Emergency Equipment [WAC 173-303-340(1), 350(3)(e)]

11.1. Table G-4 lists the type, location, and description of emergency equipment maintained at the Permitted Unit. Figure G-2 shows the locations of emergency equipment and fire control equipment. Quantities of emergency equipment listed in Table G-4 represent minimum stock quantities.

12. Coordination Agreements [WAC 173-303-340(4), 350(3)(c), 350(4)(b)]

12.1. BPA has established coordination agreements with local emergency response providers and with state and local emergency response teams. Public agencies and emergency service providers who have entered into coordination agreements are listed in Section 13.1, along with their addresses, telephone numbers, and summary statements regarding terms of each coordination agreement.

12.2. The agencies/organizations listed in Section 13.1 are provided with current copies of the Contingency Plan to familiarize their staff with the properties of the dangerous waste handled at the Permitted Unit, the associated hazards, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes.

13. Descriptions of Agreements

13.1. Local Emergency Responders

13.1.1. The City of Vancouver Fire Department will have the most significant role in emergency response and is kept up to date with hazardous materials operations at the Ross Complex through annual site visits.

13.1.2. As required in Sections 311 and 312 of SARA Title II, BPA submits Tier II Emergency and Hazardous Chemical Inventory forms annually to the State and Local Emergency Planning Committees and the Vancouver Fire Department. The information includes type, quantity, location, physical characteristics, and safety and health information of

hazardous materials (product only) stored on site above Threshold Planning Quantities. This information is available to local hospitals, police, and paramedics through the Local Emergency Planning Committee.

13.1.3. Unsigned or non-returned copies of current arrangement letters are filed in the Permitted Unit operating record.

Vancouver Fire Department, District 8 **Dial 911-EMERGENCY**
900 W Evergreen Street **(360) 696-8166**
Vancouver, WA 98660

The Vancouver Fire Department is kept familiar with this facility through site visits. The Vancouver Fire Department will respond, is capable of assisting in hazardous materials response, and has general firefighting capabilities. Medical response, hospital, and police are contacted as needed via the 911 system for injury or evacuation emergencies. In the event of an emergency requiring evacuation, such decisions will be made and implemented by the fire department after consultation with the EC.

Vancouver Police **Dial 911-EMERGENCY**
300 E 13th Street **(360) 735-8800**
Vancouver, WA 98668

The Vancouver Police Department will provide assistance with traffic and security control in the event of an emergency and will assist in the evacuation of neighboring areas should evacuation be necessary.

Legacy Salmon Creek Medical Center **EMERGENCY:** **(360) 487-1000**
2211 NE 139th Street
Vancouver, WA 98686

The Legacy Salmon Creek Medical Center will provide hospital emergency care to persons exposed to hazardous materials at the BPA Complex and to persons injured as a result of an accident or fire.

Southwest Washington Medical Center **EMERGENCY:** **(360) 256-2000**
400 NE Mother Joseph Place
Vancouver, WA 98664

The Southwest Washington Medical Center will provide hospital emergency care to persons exposed to hazardous materials at the BPA Ross Complex and to persons injured as a result of an accident or fire.

Washington State Department of Ecology **(360) 407-6300**
Southwest Region Office **24-HOUR EMERGENCY**
P.O. Box 47775

Olympia, WA 98504-7775

Ecology will be contacted immediately in the event of a reportable spill or release to the environment. All necessary information will be provided as per WAC 173-303-360 and 145.

Clark County Department of Emergency Services **(360) 737-1911**
710 W 13th Street
Vancouver, WA 98660

The Department of Emergency Services will be contacted immediately should the Contingency Plan be implemented or local emergency services are mobilized.

NRC Environmental Services **(800) 899-4672**
6211 N Ensign Street **(503) 283-1150**
Portland, OR 97217-3930

NRC Environmental Services has been contracted to provide emergency response services in the event of an incident beyond the response capabilities of the BPA personnel and equipment.

Cowlitz Clean Sweep **1-888-423-6316**
55 International Way **(503) 247-9466**
Longview, WA 98632-1020

Cowlitz Clean Sweep has been contracted to provide emergency response services in the event of an incident beyond the response capabilities of the BPA personnel and equipment.

13.2. Description Arrangements

13.2.1. An example of a letter of arrangement inviting the emergency response agencies / organizations listed above to tour the facility is located in Attachment G-5.

14. Evacuation Plan [WAC 173-303-350(3)(f)]

14.1. In the event a fire or release of a hazardous material that could endanger the lives of persons inside and/or outside the Permitted Unit occurs, evacuation will proceed according to procedures outlined below. Figure G-2 shows exit routes and assembly areas to be used during evacuation. Maps indicating the exit routes and assembly areas are posted throughout the building.

14.2. All personnel will be immediately notified by verbal or visual instruction or by audible signal of an emergency requiring evacuation to the primary or alternate assembly area (see Table G-3).

14.3. The primary assembly area is located 125 feet east of the HMB at the scale house or, if the way is blocked by releases of dangerous waste or by fire, the alternate secondary assembly area is located 125 feet southwest of the HMB in Building Z-992 parking lot (Figure G-1 and Figure G-2).

14.4. At the assembly area, the EC, the building Warden, or designee, will account for all persons by employee head count and visitor logs.

14.5. If a verbal or visual evacuation command is given, call 911.

14.6. The Vancouver Fire Department, in conjunction with the EC, will determine the need to evacuate beyond the Ross Complex premises.

14.7. No one will re-enter the HMB during evacuation conditions without the permission of the EC and without the proper protective clothing and equipment.

14.8. Safe re-occupancy approval of the facility will be determined by the EC in consultation with the responding emergency service agencies.

15. Incident Reports [WAC 173-303-145, 360(2)(j), (k)]

15.1. Following an emergency episode requiring the implementation and notification outlined in the Contingency Plan, BPA will complete the following report requirements:

15.1.1. The EC, in conjunction with the Ross Complex Environmental Specialist, will immediately notify appropriate agencies of a reportable release, following procedures described in Section 7, Notification. This includes notification of a reportable quantity release to the Local Emergency Planning Committee and the State Emergency Response Commission as required by 40 CFR 355.

15.1.2. As required by WAC 173-303-360(2)(k), the EC will note in the operating record the time, date, and details of any incident that requires implementing the Contingency Plan. BPA will submit to Ecology, within 15 days of the incident, a written report detailing the following:

- Name, address, and telephone number of the building.
- Date, time, and type of incident (for example, fire, explosion).
- Cause of the incident.
- Name and quantity of material(s) involved.
- Extent of any injuries.
- An assessment of actual or potential hazards to human health or the environment, where applicable.
- Estimated quantity and disposition of recovered material(s) that result from the incident.
- Measures taken to prevent recurrence of this type of incident.

15.1.3. BPA will submit in writing, as soon as possible, information as outlined in 40 CFR 355.40(b)(1) to the Local Emergency Planning Committee and State Emergency Response Commission. The information shall include an update regarding:

- The chemical name of substance released.
- Whether or not the substance is an Extremely Hazardous Substance.
- An estimate of the quantity released into the environment.
- The time and duration of the release.
- The medium or media into which the release occurred.
- Any known or anticipated acute or chronic health risks associated with the emergency and (where appropriate) advice regarding medical attention necessary for exposed individuals.
- Proper precautions to take as a result of the release, including evacuation.
- Names and phone numbers of persons to contact.
- Summary of actions taken to respond to and contain the release.
- Summary of any known acute or chronic health risks.
- Any advice regarding medical attention necessary for exposed individuals.

15.1.4. As described in Section 10.3.1 , prior to resuming operations and upon consultation with the Ross Complex Environmental Specialist, the EC will notify Ecology that the facility is in compliance with WAC 173-303-360(2)(j).

15.1.5. BPA will submit a written report to Clark County/Vancouver Department of Public Works of an unpermitted discharge. The report will contain the following information:

- Circumstances of release
- Remedies taken

15.1.6. BPA maintains a log of all incidents, accidents, spills, and releases, including investigations of such an event.

15.1.7. A reporting form equivalent to that shown in Attachment G-3 is completed for each type of event specified above. The forms are maintained as part of the facility operating record.

16. Amendments to Contingency Plan [WAC 173-303-350(5)(a–e)]

16.1. This contingency plan shall be amended when:

- Applicable regulations or the Permitted Unit permits are revised.
- The plan fails in an emergency.
- Changes occur at the Ross Complex or at the Permitted Unit (in its design, construction, operation, maintenance, or other circumstances) in a way that materially increases the

potential for fires or explosions at the HMB or releases of dangerous waste or dangerous waste constituents from HMB, or changes the response necessary for an emergency at the dangerous waste management unit.

- The list of emergency equipment changes
- The Emergency Coordinator changes
- Refer to Chapter 173-303-830 Appendix I for occasions when the Contingency Plan should be modified.

16.2. Copies of the updated Contingency Plan will be distributed to the emergency agencies listed in Section 13.1.3 and to primary BPA personnel responsible for its implementation listed in Table G-1 and to BPA locations listed in Table G-1. A master distribution list is maintained by the Ross Complex Environmental Specialist for verification that each agency or facility has the most recent version of the plan.

Tables – Section G

Table G-1
EMERGENCY COORDINATOR AND ENVIRONMENTAL CONTACTS

HMB INTERCOM X7133 SECURITY: (360) 418-2080 Last Updated: September 2025

FIRST attempt to contact the Primary Emergency Coordinator. If unable to contact the Primary Emergency Coordinator at any of the numbers listed, attempt to contact one of the Alternate Emergency Coordinators in the order listed. (WAC 173-303-350(3)(d) and 40 CFR 264.55)

PRIMARY EMERGENCY COORDINATOR (EC) JASON HAIRSTON	Office: Cell:	(360) 418-1622 (360) 313-9965
ALTERNATE EMERGENCY COORDINATOR DAVID FIVECOATS	Office: Cell:	(360) 418-2159 (360) 518-1790
ALTERNATE EMERGENCY COORDINATOR DERIK BRUHN	Office: Cell:	(360)-418-2893 (360)-601-2500
ALTERNATE EMERGENCY COORDINATOR DAVID BOGGS	Office: Cell:	(360) 418-2067 (360) 518-1775

SECOND the EC or their alternate **must** contact the Ross Environmental Specialist or their alternate in the event of any emergency regardless of size or extent. The EC will supply specific information as to the type, quantity, and location of released material. The EC in consultation with the Environmental Specialist together will evaluate this information (see example reporting form Section L-3).

IF it is determined that the facility has had a hazardous substance release, fire, or explosion which threatens human health or the environment inside or outside of the facility, or an uncontained release of a reportable quantity of a hazardous substance, the EC, their alternate, or the Environmental Specialist will immediately notify the proper local, state, and federal agencies listed at the top of Section A-2.

Environmental SPECIALISTS				
ROSS Environmental Specialist ZOE WELLSCHLAGER	Office:	(360) 904-1212	Cell:	(503) 896-0469
ALTERNATE Environmental SPECIALIST AARON SHURTLIFF	Office:	(503) 230-5376	Cell:	(971) 235-0072

IF an Environmental Specialist cannot be reached, notify one of the Environmental Managers below.

Environmental MANAGERS				
MGR., POLLUTION PREVENTION & ABATEMENT JOSEPH C. SHARPE	Office:	(503) 230-3654	Cell:	(503) 313-4176
MGR., TECHNICAL & REGIONAL SERVICES JUSTIN JOHNSON	Office:	(503) 230-3351	Cell:	(503) 312-3584
ENVIRONMENTAL SUPERVISOR CHAD BROWNING	Office:	(253) 638-3756	Cell:	(206) 276-1703

Table G-2
Regulatory Agency Contacts and Local Emergency Response Numbers

REGULATORY AGENCY CONTACTS	
HMB Permitted Unit	**Last Updated: September 2025**
National Response Center	1-800-424-8802
EPA Region X, Emergency Response 24-hour Hotline Environmental Cleanup Office [ECL-116] 1200 Sixth Avenue Seattle, WA 98101	(206) 553-1263
Washington State Dept. of Ecology Hotline Southwest Region P.O. Box 47775 Olympia, WA 98504-7775	1-800-258-5990 (360) 407-6300
Southwest Clean Air Agency 11815 NE 99th St., Suite 1294 Vancouver, WA 98682-2454 *(Courtesy contact in the event of a release to ambient air)*	(360) 574-3058

LOCAL EMERGENCY ASSISTANCE NUMBERS	
DESCRIPTION	**PHONE NUMBER**
FIRE	**911**
POLICE	**911**
EMERGENCY OFFICER (for further dispatch)	**911**
ROSS SECURITY	**(360) 418-2080**
ROSS COMPLEX NURSE	**(360) 418-2224**

SPILL RESPONSE CONTRACTORS (SRC)		
NAME	**PHONE #**	**SRC CONTRACT**
NRC Environmental Services	**(800) 942-4614**	**Contract #00090053**
Clean Harbors	**(800) 645-8265**	**Contract #00090054**
Cowlitz Clean Sweep	**(888) 423-6316**	**Contract #00090051**
NWFF Environmental	**(800) 942-4614**	**Contract #00090052**

Table G-3
Alarm Signals

ALARM SIGNALS

METHOD/DEVICE	ACTION/REACTION
Verbal Instruction – Telephone/Intercom (PA)	
-Dial x7133 from any phone; state location and nature of problem (e.g., fire in flammables area).	-Go to area to assist.
-Dial x7133 from any phone; declare evacuation, state which assembly area (primary or secondary) is to be used.	-Evacuate building; shut down equipment, proceed to designated assembly area, report to Warden for head count.
Audible Signal – Fire Alarm Bell	
-Pull fire alarm box: activates bell in building, sends a local alarm to security which will dispatch a security guard to the building. If security does not activate a cancel switch within 5 minutes, the alarm will automatically ring to the Fire Department.	-Evacuate building; shut down equipment, evacuate to primary assembly area, unless area is engulfed by smoke or other hazard, if so go to secondary evacuation area. Report to Warden for head count.
Visual/Verbal instruction – Hand Signal/Voice	
-Hand pulled quickly under chin, shout instructions.	-Shut down equipment.
-Directional waving or arms, pointing, shouting of instructions.	-Emergency situation (e.g., spill, fire, injury, evacuation); proceed as directed.

Table G-4
Emergency Equipment List

Hazardous Materials Building
January 2026

WAC 173-303-350(3)(e)

EQUIPMENT	DESCRIPTION	LOCATION (see Figure G-2)	QUANTITY
Absorbent Material			
• clay absorbent	”Super fine,” free liquid absorption, diking, spill containment (25 lb. bags)	Room #103, SRU #1 Room #113, SRU #2	stock 20 bags stock 20 bags
• oil absorbent rolls	Oil absorbent/water repellent or liquid absorbent 36”x150’	Room #103, SRU #1 Room #113, SRU #2	stock 4 rolls/kit stock 4 rolls
• oil absorbent pads	Oil absorbent/water repellent or liquid absorbent (100-18”x18” per bale)	Room #103, SRU #1 Room #113, SRU #2	stock 4 bales stock 2 bales
• multi-purpose sorbent socks	Acid, base, oil, and water based, sorbent socks (6-3”x10’ socks per bale)	Room #103, SRU #1 Room #113, SRU #2	stock 1 bale stock 1 bale
• Acid Neutralizer/Solidifier	Absorption, neutralization of acids (5 gallons)	Room #103, SRU #1	stock 1 bucket
• Caustic Neutralizer/Solidifier	Absorption, neutralization of alkalis (5 gallons)	Room #103, SRU #1	stock 1 bucket
Spare and Overpack Drums	Contain leaking drums (steel open-top drums with plastic liner inserts).	Loading & Unloading Area	stock 3 – 85-gal steel stock 2 – 55-gal steel/plastic stock 2 – 35-gal steel/plastic stock 2 – 8-gal steel/plastic
Dam / Dike Materials	Impermeable Rubber / Sand-filled socks (to block sprinkler water from entering office area from Shipping / Receiving Room.	Located adjacent to door from Shipping / Receiving Room to Offices	stock 1 dike
Polyurethane Drain Plug Mats	Keep spills out of curbside drains.	Loading & Unloading Area	stock 3 total
Hand Tools			
• squeegees	Corral free liquids.	Room #103	stock 2 total
• non-sparking shovels	Spreading, digging Spade and flat blades	Room #103	stock 2 total

Table G-4
Emergency Equipment List

Hazardous Materials Building
January 2026

WAC 173-303-350(3)(e)

EQUIPMENT	DESCRIPTION	LOCATION (see Figure G-2)	QUANTITY
Visqueen (plastic)	Lining boxes and trucks, covering piles (-6 mil, 24 x 100-ft rolls)	Room #103, SRU #1	stock 2 rolls
Personal Protective Equipment			
• boots	Latex, protection from acids, alcohol, salts and ketones.	Room #103, SRU #1 Room #113, SRU #2	stock 20 pairs stock 20 pairs
• protective suits	Saranex coated Tyvek suits, protection from PCB, acids, solvents	Room #103, SRU #1 Room #113, SRU #2	stock 20 pairs stock 20 pairs
• gloves	Neoprene gloves, protection from acids, corrosives, solvents, alcohols, and oil (black)	Room #103, SRU #1	stock 20 pairs
	Nitrile gloves, protection from oil, solvents, alcohols, acids, caustics (Solvex green)	Room #103, SRU #1 Room #113, SRU #2	stock 20 pairs stock 20 pairs
• duct tape	Taping PPE	Room #103, SRU #1 Room #113, SRU #2	stock 5 rolls stock 5 rolls
• eye protection	Splash-proof chemical googles	Room #103, SRU #1 Room #113, SRU #2	stock 20 stock 20
Barrier Tape	Sealing off areas	Room #103, SRU #1	stock 2 rolls
	Day-glow, high visibility, printed with caution warning		
Fork Lift	General use, equipped with a drum handling attachment for picking up drums	Room #103	stock 1 total
First Aid Kits	On-site first aid, minor injuries	Room #103, SRU #1	stock 1 total
Emergency Showers and Eye Wash Stations	Decontamination, emergency aid	Room #103	stock 1 total
	Located at potential exposure areas	Room #102	stock 1 total
Fire Hydrants	Fire control water supply	Hydrants are located approximately 100 feet south of the raised busing storage area, and approximately 75	see Figures G-1 and G-2

Table G-4
Emergency Equipment List

Hazardous Materials Building
January 2026

WAC 173-303-350(3)(e)

EQUIPMENT	DESCRIPTION	LOCATION (see Figure G-2)	QUANTITY
		feet north, in the graveled median. All exterior walls of the building have fire hose pass-through ports.	
Fire Extinguishers	A-B-C fire extinguishers (A-wood, paper, cloth, trash, B-flammable liquids: gasoline, oil, grease, acetone, C-Electrical: energized electrical equipment) are located in all storage areas.	Located in all areas of the building.	See Figure G-2
Electrical Shut-Offs	Shut off or isolate power to sections of facility	The electrical switchboard (cutoff) is located in the Electrical Room #106, adjacent to the Office RM #107.	see Figure G-2
Facility Phone/Intercom and Public Address (PA) Speakers dial X7133	Building-wide voice communications Warnings and directions All phones capable of intercom access and outside dialing '911' for fire and ambulance	Located in all areas of the building.	see Figure G-2
Internal Fire Alarm	Audible bell	Located in all areas of the building.	see Figure G-2
	Multiple fire alarm pull boxes		
	Use to evacuate facility in case of fire.		
	NOTE: a local alarm will ring to security and a security guard will be dispatched to the building; if a cancel switch is not hit by security within 5 minutes, the alarm will automatically ring to the Fire Department.		
Emergency Lighting	AC/battery units inside of storage areas and building	Located inside HazMat Bldg., throughout building.	
Sprinkler System	Water-type fire suppression Sprinkler shut offs are located in the Shipping & Receiving Room #103, on the left when you enter from Office RM #107	Each storage area is provided with a 2-riser sprinkler system with independent control valves. The sprinkler system is activated by heat sensitive fusible links. Secondary containment in this facility is sized to hold a 20-minute deluge from sprinkler systems.	see Figure G-2

Table G-4
Emergency Equipment List

Hazardous Materials Building
January 2026

WAC 173-303-350(3)(e)

EQUIPMENT	DESCRIPTION	LOCATION (see Figure G-2)	QUANTITY
Fire Walls and Doors	Storage areas are divided by concrete firewalls and roll-up doors rated to withstand fire for 1 hour.	Internal roll-up fire doors may be activated by smoke detectors or by heat sensitive fusible links. Internal roll-up doors are located between the Dangerous Waste Storage Area #100 and #102, Dangerous Waste Storage Area #102 and Shipping and Receiving #103, and between the Bulking Room #104 and Shipping and Receiving Area #103.	see Figure G-2

Figures – Section G

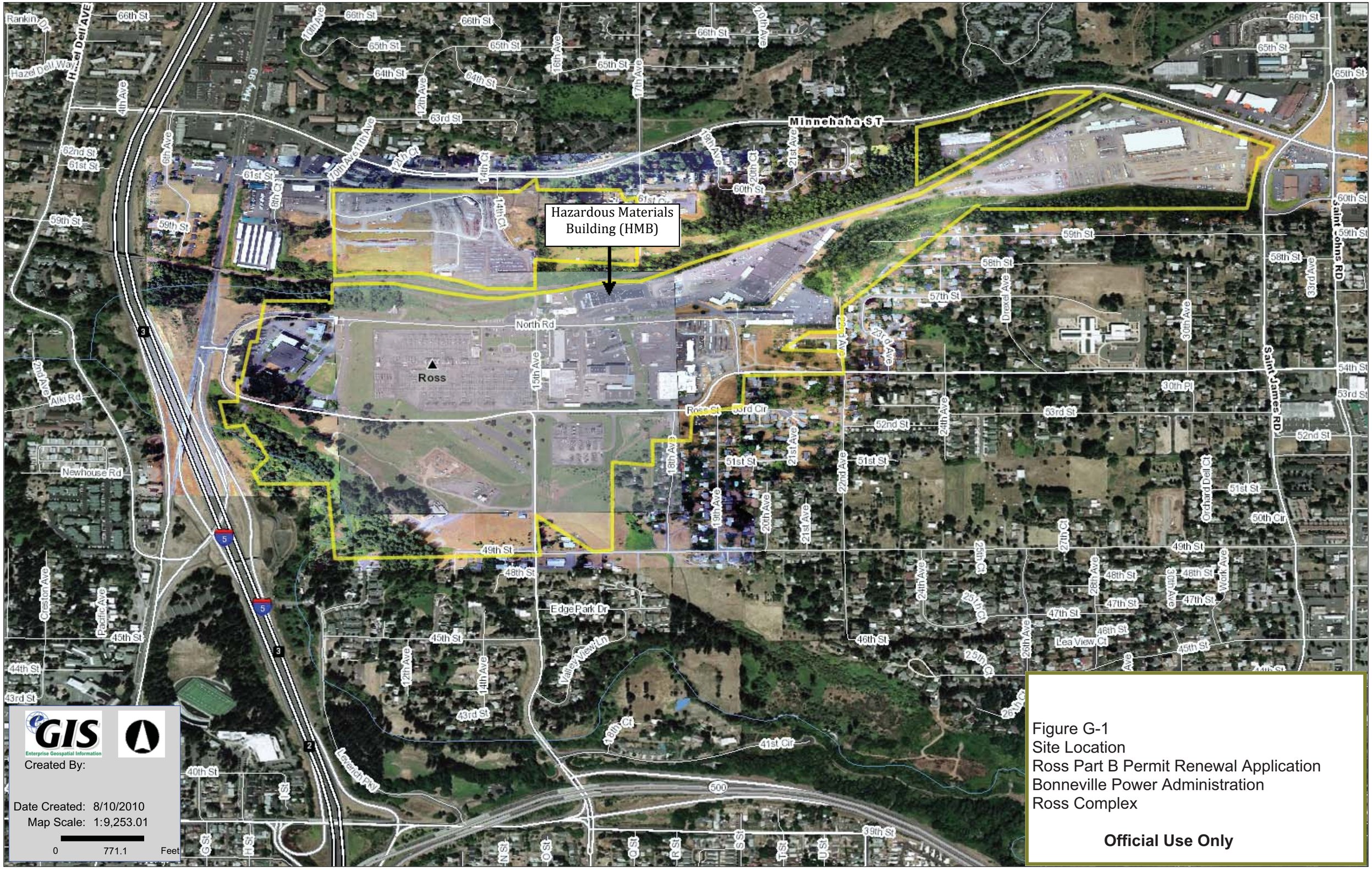


Figure G-1
Site Location
Ross Part B Permit Renewal Application
Bonneville Power Administration
Ross Complex

Official Use Only

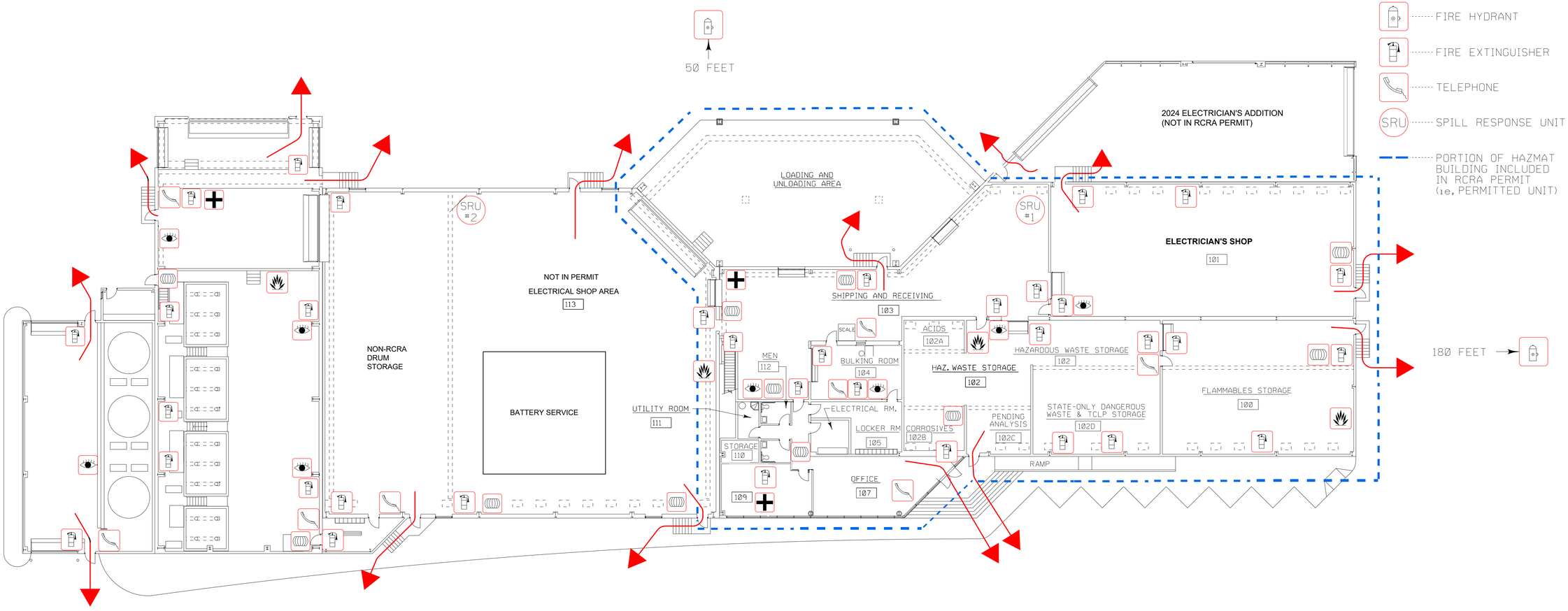
FOR FACILITY INTERCOM/PA, DIAL X7133
FROM ANY PHONE

RED ARROWS INSIDE BUILDING
INDICATE ESCAPE ROUTES

LEGEND

- EYE WASH/SHOWER
- FLAMMABLE STORAGE
- FIRST AID KIT
- FIRE ALARM
- FIRE HYDRANT
- FIRE EXTINGUISHER
- TELEPHONE
- SRU — SPILL RESPONSE UNIT
- PORTION OF HAZMAT BUILDING INCLUDED IN RCRA PERMIT (ie, PERMITTED UNIT)

DATE



UPON ARRIVAL AT DESIGNATED EVACUATION AREA, REPORT TO WARDEN FOR HEAD COUNT

PRIMARY
HAZMAT EVACUATION
AREA LOCATED
125 FEET EAST AT
SCALE HOUSE

SECONDARY
HAZMAT EVACUATION
AREA LOCATED 125 FEET
WEST IN THE PARKING LOT

SCALE
1/32" = 1'-0"

0 4 8 16 32 48 FT

Official Use Only

NO.		BY	DATE	APPROVED
PL-6	COMPUTER REVISION ONLY			

Drawn BE BOSCO
Envsp
Chkd
Appr
Date

UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
HEADQUARTERS, PORTLAND, OREGON

FIGURE G-2
HAZMAT BUILDING
(Z-1255) FLOOR PLAN

SERIAL	SOURCE	SIZE	SHEET	REVISION
PART B	KEP	B	1 OF 1	0

Attachments – Section G

Attachment G-1
Identified Dangerous Waste Streams Managed at Permitted Unit

Attachment G-1
Identified Dangerous Waste Streams
Managed at Permitted Unit[a]

IWS No.[b]	Physical State[c]	Waste and Process Descriptions by Major Waste Category	EPA Waste Code(s)	State-Only Waste Code(s)
		UNIVERSAL WASTES		
005	S	Universal Waste Batteries	N/A	
009	L	Universal Waste Mercury-Containing Equipment	N/A	
012	S	Universal Waste Light Tubes	N/A	
		SOLVENT AND COMBUSTIBLE WASTES		
246	S	Rags and sorbents contaminated with non-halogenated solvents. NO FREE LIQUIDS. LDR Notification form required.	F003, F005, D035	
		PAINT RELATED WASTES		
311	L	Used lacquer thinner. May include some paint pigment residues. LDR Notification form required.	D001, D035, F003, F005	
313	L	Waste Paint that includes alkyds, epoxies, lacquers, enamels, polyurethanes, acrylics, polysiloxanes, zinc coatings, sealers, stains, and adhesives	D001, D005, D006, D007, D018	
341	S	Paint-contaminated rags and sorbents used in paint cleanup projects. NO FREE LIQUIDS OR SOLVENTS. LDR Notification form required.	D018, D035, F003, F005	
342	S	Spend sandblast media and paint chips contaminated with heavy metals. NO FREE LIQUIDS. LDR Notification form required.	D006, D007, D008, D009	
		MISCELLANEOUS WASTES		
007	L	Aerosol Cans that include paints, lubes, solvents, cleaners, degreasers and empty cans.	D001, D008, D035, D039, D040	WT02, WP02

Attachment G-1
Identified Dangerous Waste Streams
Managed at Permitted Unit[a]

IWS No.[b]	Physical State[c]	Waste and Process Descriptions by Major Waste Category	EPA Waste Code(s)	State-Only Waste Code(s)
442	L	Waste battery electrolyte (sulfuric acid solution from lead batteries). DO NOT ADD ALKALINE TYPE ELECTROLYTE. LDR Notification form required.	D002, D008	WT02
443	L	Waste potassium hydroxide (KOH) electrolyte from grounding cells and alkaline batteries. LDR Notification form required.	D002	
444	S	Spent molecular sieves, activated alumina, sulfur hexaflouride (SF6) arc products, and contaminated solids such as HEPA filters, granular desiccants, etc. LDR Notification form required.	D005, D007, D011	
447	S	Lead Contaminated Debris that includes PPE, paint chips, filters, rags, or dust	D008	WT02
448	S	Flares from miscellaneous vendors	D001, D003	WT02
451	L	Waste Flammable/Toxic Liquids (Generic). Flammable and/or state only toxic (WT02) liquids that do not have any other dangerous characteristics	D001	WT02
		LABORATORY WASTES		
511	L	Isooctane and oil from PCB Testing. LDR Notification form required.	D001	
512	L	Sulfuric acid from PCB analysis. LDR Notification form required.	D002	
513	L	Waste non-pyridine Karl Fischer Reagent and oil from water testing (contains small quantities of flammable liquids). LDR Notification form required.	D001, D022	
514	L	Spent titrating solution consisting of a 50/50 mixture of toluene and isopropanol used in testing for neutralization number. LDR Notification form required.	D001, F005	
515	L	Waste Solvent from Chemistry Laboratory that includes acetone, acetonitrile, hexanes, methanol, 2-propanol, xylene	D001,D003 F003, F005	WT02
		GARAGE WASTES		
713	L	Spent antifreeze. No brake or power steering fluid.		WT02

Attachment G-1
Identified Dangerous Waste Streams
Managed at Permitted Unit[a]

IWS No.[b]	Physical State[c]	Waste and Process Descriptions by Major Waste Category	EPA Waste Code(s)	State-Only Waste Code(s)
		MISCELLANEOUS SITE-SPECIFIC WASTES		
911	L	Waste solvents generated from cleaning aircraft. Mixture of Chevron 325 Thinner, Toluene, and Methyl Ethyl Ketone. (No 1,1,1-Trichloroethane) LDR Notification form required.	D001, D035, F005	
912	L	Machine Coolant (water miscible cutting and grinding fluid). LDR Notification form required.		WP01

Notes:

a Information contained in this table is based upon information contained in the Identified Waste Stream Handbook and is subject to revision and amendment by BPA when the waste stream changes. Specific information regarding prior analysis, process knowledge, LDR notification information, labeling, and manifesting requirements is contained in the individual tabbed section for each waste in the IWS Handbook.

b Identified Waste Stream number from the Identified Waste Stream Handbook.

c L=Liquid, S=Solid.

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1 and Method 8260D List

Attachment G-1 Compounds with Henry's Law Constants Less Than 0.1	
Compound name	**CAS No.**
Acetaldol	107–89–1
Acetamide	60–35–5
2-Acetylaminofluorene	53–96–3
3-Acetyl-5-hydroxypiperidine	
3-Acetylpiperidine	618–42–8
1-Acetyl-2-thiourea	591–08–2
Acrylamide	79–06–1
Acrylic acid	79–10–7
Adenine	73–24–5
Adipic acid	124–04–9
Adiponitrile	111–69–3
Alachlor	15972–60–8
Aldicarb	116–06–3
Ametryn	834–12–8
4-Aminobiphenyl	92–67–1
4-Aminopyridine	504–24–5
Aniline	62–53–3
o-Anisidine	90–04–0
Anthraquinone	84–65–1
Atrazine	1912–24–9
Benzenearsonic acid	98–05–5
Benzenesulfonic acid	98–11–3
Benzidine	92–87–5
Benzo(a)anthracene	56–55–3
Benzo(k)fluoranthene	207–08–9
Benzoic acid	65–85–0

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Benzo(g,h,i)perylene	191–24–2
Benzo(a)pyrene	50–32–8
Benzyl alcohol	100–51–6
gamma-BHC	58–89–9
Bis(2-ethylhexyl)phthalate	117–81–7
Bromochloromethyl acetate	
Bromoxynil	1689–84–5
Butyric acid	107–92–6
Caprolactam (hexahydro-2H-azepin-2-one)	105–60–2
Catechol (o-dihydroxybenzene)	120–80–9
Cellulose	9004–34–6
Cell wall	
Chlorhydrin (3-Chloro-1,2-propanediol)	96–24–2
Chloroacetic acid	79–11–8
2-Chloroacetophenone	93–76–5
p-Chloroaniline	106–47–8
p-Chlorobenzophenone	134–85–0
Chlorobenzilate	510–15–6
p-Chloro-m-cresol (6-chloro-m-cresol)	59–50–7
3-Chloro-2,5-diketopyrrolidine	
Chloro-1,2-ethane diol	
4-Chlorophenol	106–48–9
Chlorophenol polymers (2-chlorophenol & 4-chlorophenol)	95–57–8 & 106–48–9
1-(o-Chlorophenyl)thiourea	5344–82–1
Chrysene	218–01–9
Citric acid	77–92–9
Creosote	8001–58–9
m-Cresol	108–39–4
o-Cresol	95–48–7
p-Cresol	106–44–5

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Cresol (mixed isomers)	1319–77–3
4-Cumylphenol	27576–86
Cyanide	57–12–5
4-Cyanomethyl benzoate	
Diazinon	333–41–5
Dibenzo(a,h)anthracene	53–70–3
Dibutylphthalate	84–74–2
2,5-Dichloroaniline (N,N′-dichloroaniline)	95–82–9
2,6-Dichlorobenzonitrile11	1194–65–6
2,6-Dichloro-4-nitroaniline	99–30–9
2,5-Dichlorophenol	333–41–5
3,4-Dichlorotetrahydrofuran	3511–19
Dichlorvos (DDVP)	62–73–7
Diethanolamine	111–42–2
N,N-Diethylaniline	91–66–7
Diethylene glycol	111–46–6
Diethylene glycol dimethyl ether (dimethyl Carbitol)	111–96–6
Diethylene glycol monobutyl ether (butyl Carbitol)	112–34–5
Diethylene glycol monoethyl ether acetate (Carbitol acetate)	112–15–2
Diethylene glycol monoethyl ether (Carbitol Cellosolve)	111–90–0
Diethylene glycol monomethyl ether (methyl Carbitol)	111–77–3
N,N′-Diethylhydrazine	1615–80–1
Diethyl (4-methylumbelliferyl) thionophosphate	299–45–6
Diethyl phosphorothioate	126–75–0
N,N′-Diethylpropionamide	15299–99–7
Dimethoate	60–51–5
2,3-Dimethoxystrychnidin-10-one	357–57–3
4-Dimethylaminoazobenzene	60–11–7
7,12-Dimethylbenz(a)anthracene	57–97–6
3,3-Dimethylbenzidine	119–93–7
Dimethylcarbamoyl chloride	79–44–7

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Dimethyldisulfide	624–92–0
Dimethylformamide	68–12–2
1,1-Dimethylhydrazine	57–14–7
Dimethylphthalate	131–11–3
Dimethylsulfone	67–71–0
Dimethylsulfoxide	67–68–5
4,6-Dinitro-o-cresol	534–52–1
1,2-Diphenylhydrazine	122–66–7
Dipropylene glycol (1,1′-oxydi-2-propanol)	110–98–5
Endrin	72–20–8
Epinephrine	51–43–4
mono-Ethanolamine	141–43–5
Ethyl carbamate (urethane)	5–17–96
Ethylene glycol	107–21–1
Ethylene glycol monobutyl ether (butyl Cellosolve)	111–76–2
Ethylene glycol monoethyl ether (Cellosolve)	110–80–5
Ethylene glycol monoethyl ether acetate (Cellosolve acetate)	111–15–9
Ethylene glycol monomethyl ether (methyl Cellosolve)	109–86–4
Ethylene glycol monophenyl ether (phenyl Cellosolve)	122–99–6
Ethylene glycol monopropyl ether (propyl Cellosolve)	2807–30–9
Ethylene thiourea (2-imidazolidinethione)	96–45–7
4-Ethylmorpholine	100–74–3
3-Ethylphenol	620–17–7
Fluoroacetic acid, sodium salt	62–74–8
Formaldehyde	50–00–0
Formamide	75–12–7
Formic acid	64–18–6
Fumaric acid	110–17–8
Glutaric acid	110–94–1
Glycerin (Glycerol)	56–81–5
Glycidol	556–52–5

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Glycinamide	598–41–4
Glyphosate	1071–83–6
Guthion	86–50–0
Hexamethylene-1,6-diisocyanate (1,6-diisocyanatohexane)	822–06–0
Hexamethyl phosphoramide	680–31–9
Hexanoic acid	142–62–1
Hydrazine	302–01–2
Hydrocyanic acid	74–90–8
Hydroquinone	123–31–9
Hydroxy-2-propionitrile (hydracrylonitrile)	109–78–4
Indeno (1,2,3-cd) pyrene	193–39–5
Lead acetate	301–04–2
Lead subacetate (lead acetate, monobasic)	1335–32–6
Leucine	61–90–5
Malathion	121–75–5
Maleic acid	110–16–7
Maleic anhydride	108–31–6
Mesityl oxide	141–79–7
Methane sulfonic acid	75–75–2
Methomyl	16752–77–5
p-Methoxyphenol	150–76–5
Methyl acrylate	96–33–3
4,4′-Methylene-bis-(2-chloroaniline)	101–14–4
4,4′-Methylenediphenyl diisocyanate (diphenyl methane diisocyanate)	101–68–8
4,4′-Methylenedianiline	101–77–9
Methylene diphenylamine (MDA)	
5-Methylfurfural	620–02–0
Methylhydrazine	60–34–4
Methyliminoacetic acid	
Methyl methane sulfonate	66–27–3

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
1-Methyl-2-methoxyaziridine	
Methylparathion	298–00–0
Methyl sulfuric acid (sulfuric acid, dimethyl ester)	77–78–1
4-Methylthiophenol	106–45–6
Monomethylformamide (N-methylformamide)	123–39–7
Nabam	142–59–6
alpha-Naphthol	90–15–3
beta-Naphthol	135–19–3
alpha-Naphthylamine	134–32–7
beta-Naphthylamine	91–59–8
Neopentyl glycol (dimethylpropane)	126–30–7
Niacinamide	98–92–0
o-Nitroaniline	88–74–4
Nitroglycerin	55–63–0
2-Nitrophenol	88–75–5
4-Nitrophenol	100–02–7
N-Nitrosodimethylamine	62–75–9
Nitrosoguanidine	674–81–7
N-Nitroso-n-methylurea	684–93–5
N-Nitrosomorpholine (4-nitrosomorpholine)	59–89–2
Oxalic acid	144–62–7
Parathion	56–38–2
Pentaerythritol	115–77–5
Phenacetin	62–44–2
Phenol	108–95–2
Phenylacetic acid	103–82–2
m-Phenylene diamine	108–45–2
o-Phenylene diamine	95–54–5
p-Phenylene diamine	106–50–3
Phenyl mercuric acetate	62–38–4
Phorate	298–02–2

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Phthalic anhydride	85–44–9
alpha-Picoline (2-methyl pyridine)	109–06–8
1,3-Propane sultone	1120–71–4
beta-Propiolactone	57–57–8
Propylene glycol	57–55–6
Pyrene	129–00–0
Pyridinium bromide	39416–48–3
Quinoline	91–22–5
Quinone (p-benzoquinone)	106–51–4
Resorcinol	108–46–3
Simazine	122–34–9
Sodium acetate	127–09–3
Sodium formate	141–53–7
Strychnine	57–24–9
Succinic acid	110–15–6
Succinimide	123–56–8
Sulfanilic acid	121–47–1
Terephthalic acid	100–21–0
Tetraethyldithiopyrophosphate	3689–24–5
Tetraethylenepentamine	112–57–2
Thiofanox	39196–18–4
Thiosemicarbazide	79–19–6
2,4-Toluenediamine	95–80–7
2,6-Toluenediamine	823–40–5
3,4-Toluenediamine	496–72–0
2,4-Toluene diisocyanate	584–84–9
p-Toluic acid	99–94–5
m-Toluidine	108–44–1
1,1,2-Trichloro-1,2,2-trifluoroethane	76–13–1
Triethanolamine	102–71–6
Triethylene glycol dimethyl ether	

Attachment G-2
Compounds with Henry's Law Constants Less Than 0.1

Compound name	CAS No.
Tripropylene glycol	24800–44–0
Warfarin	81–81–2
3,4-Xylenol (3,4-dimethylphenol)	95–65–8

Attachment G-2
Method 8260D List

Compound	CAS No.
Acetone	67-64-1
Acetonitrile	75-05-8
Acrolein (Propenal)	107-02-8
Acrylonitrile	107-13-1
Allyl alcohol	107-18-6
Allyl chloride	107-05-1
t-Amyl ethyl ether (TAEE)	919-94-8
t-Amyl methyl ether (TAME)	994-05-8
Benzene	71-43-2
Benzyl chloride	100-44-7
Bis(2-chloroethyl)sulfide	505-60-2
Bromoacetone	598-31-2
Bromochloromethane	74-97-5
Bromodichloromethane	75-27-4
4-Bromofluorobenzene (surr)	460-00-4
Bromoform	75-25-2
Bromomethane	74-83-9
n-Butanol	71-36-3
2-Butanone (MEK)	78-93-3
t-Butyl alcohol	75-65-0
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chloral hydrate	302-17-0
Chlorobenzene	108-90-7
Chlorobenzene-d5	-
Chlorodibromomethane	124-48-1
Chloroethane	75-00-3
2-Chloroethanol	107-07-3
2-Chloroethyl vinyl ether	110-75-8
Chloroform	67-66-3
Chloromethane	74-87-3
Chloroprene	126-99-8
Crotonaldehyde	4170-30-3 pp
1,2-Dibromo-3-chloropropane	96-12-8
1,2-Dibromoethane	106-93-4
Dibromomethane	74-95-3
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
1,4-Dichlorobenzene-d4	-
cis-1,4-Dichloro-2-butene	1476-11-5
trans-1,4-Dichloro-2-butene	110-57-6
Dichlorodifluoromethane	75-71-8
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	107-06-2
1,2-Dichloroethane-d4	-
1,1-Dichloroethene	75-35-4
trans-1,2-Dichloroethene	156-60-5
1,2-Dichloropropane	78-87-5

Attachment G-2 Method 8260D List	
1,3-Dichloro-2-propanol	96-23-1
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
1,2,3,4-Diepoxybutane	1464-53-5
Diethyl ether	60-29-7
Diisopropyl ether (DIPE)	108-20-3
1,4-Difluorobenzene (IS)	540-36-3
1,4-Dioxane	123-91-1
Epichlorohydrin	106-89-8
Ethanol	64-17-5
Ethyl acetate	141-78-6
Ethylbenzene	100-41-4
Ethylene oxide	75-21-8
Ethyl methacrylate	97-63-2
Fluorobenzene (IS)	462-06-6
Ethyl tert-butyl ether (ETBE)	637-92-3
Hexachlorobutadiene	87-68-3
Hexachloroethane	67-72-1
2-Hexanone	591-78-6
Iodomethane	74-88-4
Isobutyl alcohol	78-83-1
Isopropylbenzene	98-82-8
Malononitrile	109-77-3
Methacrylonitrile	126-98-7
Methanol	67-56-1
Methylene chloride	75-09-2
Methyl methacrylate	80-62-6
4-Methyl-2-pentanone (MIBK)	108-10-1
Methyl tert-butyl ether (MTBE)	1634-04-4
Naphthalene	91-20-3
Nitrobenzene	98-95-3
2-Nitropropane	79-46-9
N-Nitroso-di-n-butylamine	924-16-3
Paraldehyde	123-63-7
Pentachloroethane	76-01-7
2-Pentanone	107-87-9
2-Picoline	109-06-8
1-Propanol	71-23-8
2-Propanol	67-63-0
Propargyl alcohol	107-19-7
β-Propiolactone	57-57-8
Propionitrile (ethyl cyanide)	107-12-0
n-Propylamine	107-10-8
Pyridine	110-86-1
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethene	127-18-4
Toluene	108-88-3

Attachment G-2 Method 8260D List	
Toluene-d8 (surr)	2037-26-5
o-Toluidine	95-53-4
1,2,4-Trichlorobenzene	120-82-1
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
1,2,3-Trichloropropane	96-18-4
Vinyl acetate	108-05-4
Vinyl chloride	75-01-4
o-Xylene	95-47-6
m-Xylene	108-38-3
p-Xylene	106-42-3

Attachment G-3
Emergency Information Reporting Form

Attachment G-3

Emergency Information Reporting Form

EXAMPLE BONNEVILLE POWER ADMINISTRATION (BPA)
EMERGENCY INFORMATION REPORTING FORM

DOE F 1325.8 e Electronic Form Approved by CGIR - 01/20/95(VB) (8-89)

[This form is provided as an example only. The information contained on the form will be included on any versions of the form used for the same purpose, although the form itself may change in appearance.]

NAME AND ADDRESS OF FACILITY	NAME OF REPORTER AND PHONE# WHERE REPORTER MAY BE LOCATED
NAME AND PHONE NUMBERS OF ADDITIONAL CONTACTS FOR INFORMATION	
DATE	TIME
TYPE OF INCIDENT (SPILL, GAS RELEASE, ETC.)	MEDIA INTO WHICH RELEASE OCCURRED (WATER, AIR, SOIL ETC.)
IDENTIFICATION OF MATERIAL	
IS MATERIAL AN EXTREMELY HAZARDOUS SUBSTANCE? (REF: APPX A AND B, 40 CFR 355)	QUANTITY AND DURATION OF RELEASE
POSSIBLE HAZARDS TO THE ENVIRONMENT	
ASSOCIATED ACUTE OR CHRONIC HEALTH RISKS (KNOW OR ANTICIPATED)	
PRECAUTIONS TO BE TAKEN	
EXTENT OF INJURIES	
OTHER COMMENTS	

Attachment G-4
Generic Cleanup Plan for Release to Concrete Surfaces or Soil

Attachment G-4
Generic Cleanup Plan
For Release to Concrete Surfaces or Soil

The following generic cleanup plan would be used by BPA personnel or environmental contractors.

a. Contain and remove excess released material.

b. Based on visual observation of area extent, remove contaminated soil.

c. Take representative samples of spill and background area (as applicable), and of spilled material if necessary.

d. Analyze the samples for appropriate parameters and characteristics of the spilled material (that is, those believed to be present in the spilled material or associated breakdown products).

e. Based on analysis of the representative samples from spill and background areas, determine if the released material has contaminated the soil beyond the initial excavation and if further excavation of the spill area is needed.

f. If further excavation is necessary, repeat analytic procedures until extent of contamination is determined and further cleanup measures decontaminate the area.

g. Excavated soil will be analyzed to determine the appropriate storage or offsite disposal measures.

Standard sampling methods (that is, consistent with WAC 173-303-110), labeling, chain of custody and analytic procedures will be used. Test Methods for Evaluating Solid Waste, SW-846, U.S. Environmental Protection Agency, November 1986, will be used as a guideline.

The spill area will be cleaned up in accordance with the requirements of WAC 173-303-145(3).

Attachment G-5
Example Invitation/Letter of Arrangement

Attachment G-5
Example Invitation/Letter of Arrangement

Date

Emergency Service Provider
Address
City, State, Zip

Enclosed is the Bonneville Power Administration (BPA) Hazardous Materials Contingency Plan for Ross Complex, which contains the HMB (permitted unit). This plan provides information for mitigating and controlling the effects of an uncontrolled fire, explosion or spill originating from the Vancouver, Washington, facility.
You are invited to tour the facility at your earliest convenience. Please indicate that you have received this plan by signing and returning this letter in the addressed envelope provided.
If you have questions, please contact me at (503) 230-5224.

Sincerely,
Zoe Wellschlager
Ross Complex Environmental Specialist

_____has received a copy of the Contingency Plan. We have reviewed the capabilities described in Section 12 - Coordination Agreements, and agree that we are capable of providing these services.

_____ _____
Date Signature

_____ _____
Title