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Sent: Tuesday, November 23, 2021 7:04 AM
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Cc: Mathey, Jared (Washington Department of Ecology); Conaway, Kathleen (ECY); McKarns, Anthony C (Tony); Carter, Duane B; Szendre, Stephen A; Fergusson, Aaron P; Perry, Jon K
Subject: CI 21-734 Response to 21-NWP-162 Facility Response Plan for 4734B SAAs
Attachments: HNF-63353_-_Rev_07.pdf

Importance: High

Categories: Red Category

Adam:
In response to 21-NWP-162 dated September 28, 2021, attached is HNF-63353, *Facility Response Plan for 4734B Satellite Accumulation Areas*, Revision 7. It has been updated to include locations of equipment to address the non-compliance listed in 21-NWP-094. Due to the holidays and staff availability, there will not be a formal closeout letter sent. If you have any questions on this response, you can contact me at 509-539-3839, Steve Szendre on (509) 531-0219, or Tony McKarns for questions on template updates (509) 731-4638.

Please send a response acknowledging receipt. Thanks, akw.

HNF-63353
Revision 7

Facility Response Plan for Building 4734B Satellite Accumulation Areas

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract 89303320DEM000031

P.O. Box 943
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

HNF-63353
Revision 7

Facility Response Plan for Building 4734B Satellite Accumulation Areas

S. G. Martinez
Hanford Mission Integration Solutions (HMIS)

Date Published
November 2021

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

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P.O. Box 943
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APPROVED
By Lynn M Ayers at 8:55 am, Nov 17, 2021

Release Approval Date

Approved for Public Release;
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This plan covers the following buildings and structures: 4734B Satellite Accumulation Areas.

Approved:

Joy Shoemake Digitally signed by Joy Shoemake Date: 2021.11.11 11:31:03 -08'00'

Joy Shoemake
Cognizant Manager
Environmental Field Support

Date

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Cecilia Rocha
Emergency Preparedness Coordinator

Date

This document will be reviewed and updated if necessary, by Facility Management. The Building Warden has the authority to carry out the provisions of this plan.

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1.0 GENERAL INFORMATION

The 4734B Satellite Accumulation Areas (SAAs) are located on the Hanford Site, a 560-square-mile (1,450-square kilometer) U.S. Department of Energy (DOE) Richland Operations Office (RL) site in southeastern Washington State. The 4734B is located in the south portion of the 400 Area near the south end of the Hanford Site.

This plan contains a description of facility specific emergency planning and response and is used in conjunction with portions of the DOE/RL-94-02, *Hanford Emergency Management Plan*, to meet contingency plan requirements of Washington Administrative Code (WAC) 173-303. Pursuant to WAC 173-303, Dangerous Waste Regulations, DOE as the owner or operator of the Hanford Facility, is required to have a "contingency plan" for use in emergencies or sudden or non-sudden releases which threaten human health and the environment. Additionally, WAC 173-303-201(9) allows the owner or operator to use documentation, other than a "contingency plan," so long as the other documentation incorporates dangerous waste management provisions sufficient to comply with the requirements of WAC 173-303-201. This approach is used at Hanford. There is no specific document titled, "Contingency Plan" for the Hanford Facility. Rather, specific portions of this plan combined with portions of contractor facility/activity-specific documentation (e.g., emergency plans/procedures) are maintained to meet the contingency plan requirements of WAC 173-303.

1.1 Facility Name:

U.S. Department of Energy
Hanford Site
4734B

1.2 Facility Location:

Benton County, Washington within the 400 Area.

Buildings/facilities covered by this plan are: 4734B Satellite Accumulation Areas.

1.3 Owner:

U.S. Department of Energy
Richland Operations Office
PO Box 550
Richland, Washington 99352

Manager:
Hanford Mission Integration Solutions (HMIS)
2490 Garlick Blvd
Richland, WA 99354

1.4 Description of the Facility and Operations

The 4734B building is a central location for collection of Universal Waste (UW) and recyclable material from various Hanford Contractors.

Dangerous waste is generated from aerosol can puncturing activities that occur at the 4734B facility. The waste is accumulated in two SAAs located within the 4734B building. SAA 1 contains liquid paint waste from aerosol puncturing activities and is located within the aerosol booth. SAA 2 contains solid materials from puncturing activities, such as filters and personal protective equipment (PPE). This plan applies specifically to the SAAs and it does not apply to the other waste/areas in the building [e.g., polychlorinated biphenyl (PCB) or UW]. The facility is not subject to flooding because it is located well above the flood levels at an elevation of 169 meters (554 ft, 6 in) above sea level and 6.7 kilometers (4.2 miles) from the Columbia River, which has an elevation of 125 meters (410 feet) above sea level.

2.0 PURPOSE

This plan describes the actions which will be taken in response to upset and/or emergency conditions within the 4734B. These events may include spills or releases caused by processing, fires and explosions, transportation activities, movement of materials, packaging, storage of hazardous materials, and natural and security contingencies. Attachment B of this FRP provides a crosswalk listing applicable WAC 173-303 requirements and how/where the requirement is met.

3.0 FACILITY/BUILDING EMERGENCY RESPONSE ORGANIZATION

The facility/building emergency response organization (ERO) includes the Building Warden (BW) or on-call BW, who are responsible for implementing emergency response actions at 4734B.

The on-call BW is responsible for implementing emergency response actions at Hanford Mission Integration Solutions Facilities with Satellite Accumulation Areas. In the event of an emergency at more than one facility, the on-call BW assigns 4734B BW to manage the 4734B emergency and will assign other necessary facility ERO, to implement the on-scene response for each facility in coordination with the Incident Commander (IC) as appropriate. The BW maintains communication with the assigned personnel and/or the IC at each facility to enable him to fulfill the BW responsibilities as discussed in Section 3.1 below.

3.1 Building Warden

Emergency response will be directed by the BW until the IC arrives. The BW fulfills the role and meets the requirements of the “Emergency Coordinator” as defined in WAC 173-303-201. The senior responding Hanford Fire Department officer will be the IC. If the event is determined to primarily be a security event, the Hanford Fire Department and Hanford Patrol will operate under a unified command system with Hanford Patrol making decisions pertaining to security. These individuals have the authority to request and obtain any resources necessary for protecting people and the environment.

The BW becomes a member of the Incident Command Organization and functions under the direction of the IC. In this role, the BW continues to manage and direct 4734B operations.

A Building Warden (BW) is available, either on the premises or on-call, 24 hours a day. A listing of the "day-shift" BWs by title, work location, and work telephone number is provided in the table below. During "off-shift" hours, a BW is designated as on-call. The on-call BW name and home telephone number is available from the patrol operations center.

Building Warden (Emergency Coordinator)		
Job title	**Work location**	**Work phone**
Primary BW	2355 Stevens/Room 123	(509) 372-3960
Alternate BW	825 Jadwin/ Room 302-A	(509) 376-9314

The on-call BW name and contact number(s) of the on-call BWs are available from the Hanford Patrol Operations Center (POC) (373-3800) in accordance with the Hanford Facility RCRA Permit, Condition II.A.4.

As necessary, the BW will make the Operational Emergency categorization decision and also determine if the event is subject to the requirements of WAC 173-303-201(14)(d) prior to responding to the scene.

Environmental Field Support maintains a complete listing of qualified BWs. The list is maintained in the RCRA Permit Operating Record and co-located with this plan.

3.2 Other Members

The BW will notify other facility/building ERO to support the on-scene response. As this is a Satellite Accumulation Area (SAA), the ERO consists of the BW and On-Call BW. The BW or on-call BW will be notified via cell phone if there is an emergency within the SAA.

The complete Facility/Building Emergency Response Organization listing of positions, names, work locations, and telephone numbers for the 4734B is maintained in a separate location in a format determined appropriate by 4734B management. Copies are distributed to appropriate 4734B locations and maintained by Environmental Field Support.

4.0 IMPLEMENTATION OF THE PLAN

The BW must assess each incident to determine the response necessary to protect the personnel, facility, and the environment. If assistance from Hanford Patrol or Hanford Fire Department is required, the Hanford Emergency Response Number (911 or 509-373-0911 if using a cell phone) must be used to contact the POC and request the desired assistance.

In accordance with 173-303-201(14)(b), the BW ensures that personnel identify the character, source, amount, and areal extent of the release, fire, or explosion to the extent possible. Identification of waste can be made by activities that can include, but are not limited to, visual inspection of involved containers, dangerous waste, sampling activities in the field, reference to

inventory records, or by consulting with facility personnel. Samples of materials involved in an emergency might be taken and analyzed as appropriate. These activities must be performed with a sense of immediacy and shall include available information.

The BW shall use the following steps to determine if an emergency circumstance is subject to the contingency plan implementation and notification requirements of WAC 173-303-201:

1. The event involved an unplanned spill, release, fire, or explosion

AND

2a. The unplanned spill or release involved a dangerous waste, or the material involved became a dangerous waste as a result of the event (e.g., product that is not recoverable)

OR

2b. The unplanned fire or explosion occurred at the facility or transportation activity subject to RCRA contingency planning requirements

AND

3. The emergency circumstance poses a threat to human health or the environment.

Additional guidance to assist the BW in determining the applicability of the requirements is maintained in DOE-RL emergency plan implementing procedures. This guidance is derived from Washington State Department of Ecology (WSDOE) Dangerous Waste permit application guidelines for implementation of the contingency plan and notifications to Ecology. Contractor environmental single points-of-contact are also available to assist the BW in determining the applicability of requirements.

If assessment of an event does not allow a definitive determination of the threat to human health and the environment, then the BW shall continue to implement the emergency procedures for the event, and through that process continue the assessment of the event.

Immediately after an emergency, the BW must provide for treating, storing or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at 4734B.

If the BW determines that the event response requires contingency plan implementation, the BW must determine, in consultation with the HMIS environmental single point-of-contact, if notification to the Washington State Department of Ecology is needed in accordance with WAC 173-303-201(14)(d).

The following information must be included in the assessment report:

- The name and telephone number of reporter.
- The name and address of facility.
- The time and type of incident (e.g., release, fire).
- The name and quantity of material(s) involved, to the extent known.

- The extent of injuries, if any.
- The possible hazards to human health or the environment outside the facility.

5.0 POTENTIAL EMERGENCY CONDITIONS

Potential emergency conditions, under both WAC 173-303 and DOE requirements fall into three basic categories: (1) operations (process upsets, fires, explosions, loss of utilities, spills, and releases), (2) natural phenomena (e.g., earthquakes), and (3) security contingencies (bomb threat, hostage situation, etc.). The following are conditions that have been evaluated to determine if they may lead to an emergency at the 4734B.

5.1 Facility Operations Emergencies

5.1.1 Loss of Utilities

A loss of utilities is not expected to lead to an emergency condition or require implementation of protective actions.

5.1.2 Major Process Disruption/Loss of Plant Control

A loss of process disruption is not expected to lead to an emergency condition or require implementation of protective actions.

5.1.3 Pressure Release

A loss of pressure containing systems is not expected to lead to an emergency condition or require implementation of protective actions.

5.1.4 Fire and/or Explosion

The potential effects of a fire or explosion would be the release of hazardous materials, toxic fumes and/or vapors and evacuation of all of the facility.

5.1.5 Hazardous Material Spill

The potential effects from the accidental release of hazardous materials would be toxic fumes and/or vapors and evacuation of some or all of the facility.

5.1.6 Dangerous/Mixed Waste Spill

No dangerous/mixed waste is located at the SAAs in 4734B.

5.1.7 Transportation and /or Packaging Incidents

The potential effects from the accidental release of hazardous materials would be toxic fumes and/or vapors and evacuation of some or all of the facility. If any damaged containers are found at 4734B, potential evacuation of some or all of the facility would occur.

5.1.8 Radioactive Material Release

No radioactive material is at the SAAs in 4734B.

5.1.9 Criticality

Not applicable.

5.2 Natural Phenomena

Natural disasters can include, but are not limited to, seismic events, volcanic eruptions, high winds, tornados, etc. Depending on the circumstances, natural disasters may cause fires, releases, or explosions that threaten human health and the environment.

In the event of a natural disaster, the BW will carry out the actions described in Sections 6.0, as applicable.

5.2.1 Seismic Event

Depending on the magnitude of the event, severe structural damage can occur resulting in serious injuries or fatalities and the release of hazardous materials to the environment. Damaged electrical circuits and wiring could result in the initiation of fires.

5.2.2 Volcanic Eruption/Ash fall

Though not expected to cause structural damage, the ash resulting from a volcanic eruption could cause shorts in electrical equipment and plug ventilation system filters.

5.2.3 High Winds/Tornadoes

High winds or tornadoes may cause structural damage to systems containing hazardous materials resulting in a release of the materials to the environment.

5.2.4 Flood

Flooding can cause the release of hazardous materials depending on the type of storage containers. Floods can also cause short circuits in electrical wiring located at or below ground level. This may then result in an increased likelihood of fires.

5.2.5 Range Fire

The hazards associated with a range fire are the same as those associated with a building fire plus potential site access restrictions and travel hazards such as poor visibility.

5.2.6 Aircraft Crash

In addition to the potential for serious injuries or fatalities, an aircraft crash could result in the direct release of hazardous materials to the environment or cause a fire that could lead to the release.

5.3 Security Contingencies

The following information presents a description of the potential hazards of security-type events.

5.3.1 Bomb Threat/Explosive Device

A bomb threat may be received by anyone who answers the telephone or receives mail. The major effect on the 4734B is that personnel will need to perform emergency shutdown of the facility before evacuation. If an explosive device detonates, the effects are the same as those discussed under fire and explosion.

5.3.2 Hostage Situation/Armed Intruder

A hostage situation or the entry of an armed hostile intruder(s) can pose an emergency if either of these conditions has the potential to adversely affect facility operations.

5.3.3 Suspicious Object

If a suspicious object is discovered, the major effect on the 4734B is that personnel may need to perform an emergency shutdown of the facility before evacuation.

5.4 Unexpected/Unidentified Odors

Unexpected or unidentified odors have the potential to cause health effects and could be indicative of other events.

6.0 INCIDENT RESPONSE

The initial response to any emergency is to immediately protect the health and safety of persons in the affected area. Identification of released material is essential to determine appropriate protective actions. Containment, treatment, and disposal assessment are secondary responses.

The following sections describe the process for implementing basic protective actions as well as descriptions of response actions for the events that may affect 4734B as identified in Section 5.0 of this plan. In addition, actions to prevent secondary release, fires or explosions is provided. Attachment A provides a list of applicable procedures.

6.1 Protective Action Responses

Protective action responses are discussed in the following sections. The steps identified in the following description of actions do not have to be performed in sequence because of the unanticipated sequence of incident events.

In addition to the facility protective actions described below, the BW also reviews the site-wide and 4734B emergency response procedure(s) for categorization of the event and if necessary, initiates protective actions and Hanford Site Emergency Response Organization activation. Operational Emergency categorization is reported to the Hanford Emergency Operations Center (EOC), triggering notification to offsite officials.

A common set of initial response actions are performed by the event discoverer and the BW during all events. Those actions are described below and are not repeated in each following subsection.

The discoverer notifies the BW and initiates SWIM response as specified in the following sections.

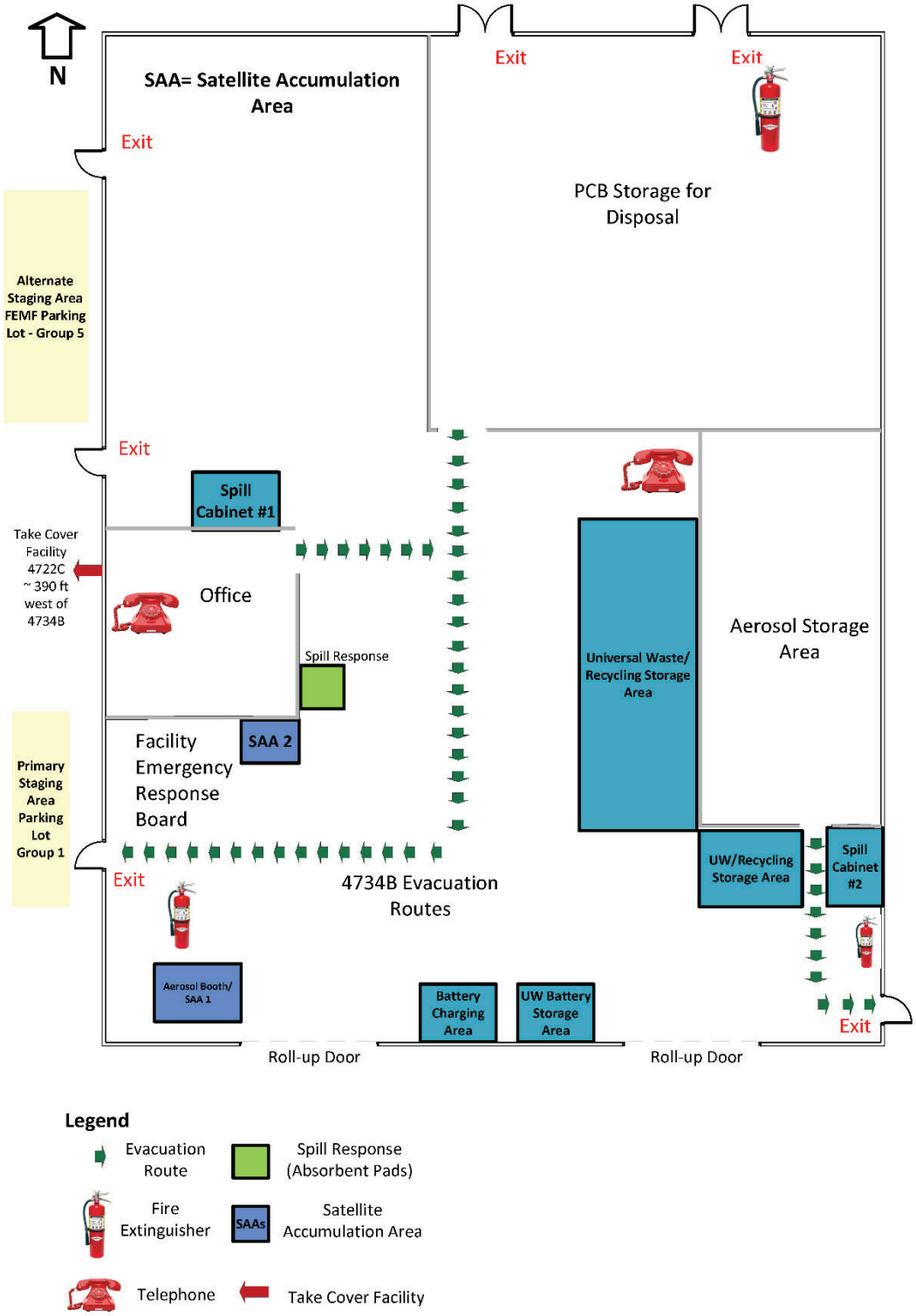
- **S**tops work.
- **W**arns others in the vicinity.
- **I**solates the area.
- **M**inimizes exposure to the hazards.

- The BW determines if emergency conditions exist requiring response from the Hanford Fire Department and evaluates the need to perform additional protective actions.
- If the Hanford Fire Department resources are not needed, the event is mitigated with resources identified in Section 8.0 of this plan and proper notifications are made.
- If the Hanford Fire Department resources are needed, the BW ensures notification to 911 from site phones (509-373-0911 from a cellular phone).
- The BW ensures a representative is sent to meet the Hanford Fire Department.
- The BW provides a formal turnover to the IC when the IC arrives at the incident command post (ICP).
- The BW informs the Hanford Site ERO as to the extent of the emergency (including estimates of dangerous waste and mixed waste quantities released to the environment, if applicable).
- If operations are stopped in response to the event, the BED ensures that systems are monitored for leaks, pressure buildup, gas generation, and ruptures, if applicable.
- Hanford Fire Department stabilizes the event.

6.1.1 Evacuation Plan

In the event of an emergency requiring evacuation from the facility, employees will be notified via two-way portable radio to evacuate to the staging area if appropriate. The nearest posted primary staging area for the evacuation from Building 4734B SAAs is located on the west side of the 4734B building. See Figure 1 below.

Figure 1. Evacuation Routes



NOTE: *The figure is not to scale and provides only approximate locations.*

6.1.2 Take Cover

In the event of a take cover, personnel will exit 4734B and walk to the nearest take cover facility, 4722C, which is on the west side of the building, roughly 390 ft. away. Personnel will be notified through the 400 Area sirens, computer notifications, and analog phone message. The BW will account for personnel once arrived at the take cover facility.

6.2 Response to Facility Operations Emergencies

The steps identified in the following description of actions do not have to be performed in sequence because of the unanticipated sequence of incident events.

6.2.1 Loss of Utilities

A loss of the utility is not expected to lead to an emergency condition or require implementation of protective actions.

6.2.2 Major Process Disruption/Loss of Plant Control

A loss of any major process or plant control is not expected to lead to an emergency condition or require implementation of protective actions.

6.2.3 Pressure Release

A loss of a pressurized system is not expected to lead to an emergency condition or require implementation of protective actions.

6.2.4 Fire and/or Explosion

In the event of a fire and/or explosion, the discoverer activates a fire alarm (pull box), calls 911 (509-373-0911 if using a cell phone) or verifies that 911 has been called. Automatic initiation of a fire alarm through the sprinkler systems is also possible.

- Unless otherwise instructed, personnel shall evacuate the area/building by the nearest safe exit and proceed to the designated staging area for accountability.
- On actuation of the fire alarm, ONLY if time permits, personnel should shut down equipment and secure waste. The alarm automatically signals the Hanford Fire Department.
- The BW establishes the initial command post, obtains all necessary information pertaining to the incident and sends a representative to meet Hanford Fire Department.
- The BW provides a formal turnover to the IC when the IC arrives at the initial command post.

- The BW informs the Hanford Site Emergency Response Organization as to the extent of the emergency (including estimates of dangerous waste and mixed waste quantities released to the environment).
- If operations are stopped in response to the fire, the BW ensures that systems are monitored for leaks, pressure buildup, gas generation and ruptures.
- Hanford Fire Department firefighters extinguish the fire as necessary.

6.2.5 Hazardous Material, Dangerous and/or Mixed Waste Spill

Spills can result from many sources including container spills or leaks, damaged packages or shipments, or personnel error.

The discoverer notifies the BW and initiates SWIM response:

- **S**tops work
- **W**arns others in the vicinity
- **I**solates the area
- **M**inimizes exposure to the hazards

- The BW determines if emergency conditions exist requiring response from the Hanford Fire Department and evaluates the need to perform additional protective actions.
- If the Hanford Fire Department resources are not needed, the spill is mitigated with resources identified in Section 8.0 of this plan and proper notifications are made.
- If the Hanford Fire Department resources are needed, the BW calls 911 (509-373-0911 if using a cell phone).
- The BW sends a representative to meet the Hanford Fire Department.
- The BW provides a formal turnover to the IC when the IC arrives at the incident command post.
- The BW informs the Hanford Site Emergency Response Organization as to the extent of the emergency (including estimates of dangerous waste quantities released to the environment).
- If operations are stopped in response to the spill, the BW ensures that systems are monitored for leaks, pressure buildup, gas generation, and ruptures.
- Hanford Fire Department stabilizes the spill.

6.2.5.1 Damaged or Unacceptable Shipments

Damaged or unacceptable shipments to the 4734B SAAs does not occur, therefore it is not expected to lead to an emergency condition or require implementation of protective actions.

6.2.6 Radioactive Material Release

No radioactive material is accepted at 4734B, therefore it is not expected to lead to an emergency condition or require implementation of protective actions.

6.2.7 Criticality

Not applicable.

6.3 Response to Natural Phenomena

The steps identified in the following description of actions do not have to be performed in sequence because of the unanticipated sequence of incident events.

6.3.1 Seismic Event

The Hanford Site Emergency Response Organization's primary role in a seismic event is coordinating the initial response to injuries, fires, fire hazards and acting to contain or control radioactive and/or hazardous material releases.

Individuals should remain calm and stay away from windows, steam lines, and hazardous material storage locations. Once the shaking has subsided, individuals should evacuate carefully and assist personnel needing help. The location of any trapped individuals should be reported to the BW or is reported to 911 (509-373-0911 if using a cell phone).

The BW takes whatever actions are necessary to minimize damage and personnel injuries. Responsibilities include the following:

- Coordinating searches for personnel and potential hazardous conditions (fires, spills, etc.).
- Conducting accountability.
- Securing utilities and facility operations.
- Arranging rescue efforts, and notifying 911 (509-373-0911 if using a cell phone) for assistance.
- Determining if hazardous materials were released.
- Determining current local meteorological conditions.
- Warning other facilities and implementing protective actions if release of hazardous materials poses an immediate danger.
- Providing personnel and resource assistance to other facilities, if required and possible.

6.3.2 Volcanic Eruption/Ash Fall

When notified of an impending ash fall, the BW will implement measures to minimize the impact of the ash fall. BW actions include the following:

- Shutting down some or all operations and processes.

- Sealing secondary use exterior doors.

If other emergency conditions arise as a result of the ash fall (e.g., fires due to electrical shorts), response is as described in other sections of this plan.

6.3.3 High Winds/Tornadoes

Upon notification of impending high winds, the BW takes steps necessary to secure all outdoor waste and hazardous material containers and storage locations. All doors and windows are shut, and personnel are warned to use extreme caution when entering or exiting the building. Ventilation, utilities, and operations will be shut down as appropriate to lessen the severity of the impact.

6.3.4 Flood

Not applicable.

6.3.5 Range Fire

Responses to range fires are handled by preventive measures (e.g., keeping hazardous material and waste accumulation areas free of combustible materials, such as weeds and brush). If a range fire breaches the 4734B boundary, the response is as described in Section 6.2.4.

6.3.6 Aircraft Crash

The response to an aircraft crash is the same as for a fire and/or explosion (Section 6.2.4).

6.4 Security Contingencies

The steps identified in the following description of actions do not have to be performed in sequence because of the unanticipated sequence of incident events. Attachment A provides a list of procedures.

6.4.1 Bomb Threat/Explosive Device

6.4.1.1 Telephone Threat

Individuals receiving telephoned threats attempt to get as much information as possible from the caller (using the bomb threat checklist if available). Upon conclusion of the call, or during the call if possible, notify the BW and Hanford Patrol by calling 911 (do not use wireless communications devices for reporting a bomb threat/explosive device unless beyond 100 feet from the suspected object).

When notified, the BW ensures the 4734B protective actions have been taken and questions personnel at the staging area regarding any suspicious objects. When Hanford Patrol personnel arrive, follow their instructions.

6.4.1.2 Written Threat

Receivers of written threats handle the letter as little as possible. Notify the BW and Hanford Patrol by calling 911 (do not use wireless communications devices for reporting a bomb threat/explosive device unless beyond 100 feet from the suspected object). Depending on the content of the letter, the BW might evacuate the affected locations. The letter is turned over to Hanford Patrol and their instructions are followed.

6.4.2 Hostage Situation/Armed Intruder

The discoverer of a hostage situation or armed intruder reports the incident to 911 (509-373-0911 if using a cell phone) and to the BW if possible. Hanford Patrol will determine the remaining response actions.

6.4.3 Suspicious Object

The discoverer of a suspicious object reports this object to the BW and to 911 (do not use wireless communications devices for reporting a bomb threat/explosive device unless beyond 100 feet from the suspected object), if possible, and ensures that the object is not disturbed.

6.5 Response to Unexpected/Unidentified Odors

Unexpected and unidentified odors should be investigated by the facility or project safety and health personnel. If the odor can be traced to an identifiable source and controlled safely with local resources, it can be resolved at the facility level. Air monitoring may aid in identification of a source and help determine if the odor is indicative of a health threat or is merely a nuisance. If facility or project safety and health personnel concur that the odor may be indicative of a health threat and cannot be safely controlled with local resources or an odor is found to be the result of an action or condition that requires emergency response, the Hanford Fire Department would be notified and respond accordingly.

6.6 Prevention of Recurrence or Spread of Fires, Explosions, or Releases

The BW, as part of the Incident Command Organization, takes the steps necessary to ensure that a secondary release, fire, or explosion does not occur. The BW will take measures, where applicable, to stop processes and operations; collect and contain released wastes and remove or isolate containers. The BW shall also monitor for leaks, pressure buildups, gas generation, or ruptures in valves, pipes or other equipment, whenever this is appropriate.

7.0 TERMINATION OF EVENT, INCIDENT RECOVERY, AND RESTART OF OPERATIONS

DOE/RL-94-02, Section 9.0, describes actions for event termination, incident recovery, restart of operations, and incompatible waste.

7.1 Termination of Event

For events where the Hanford EOC is activated, the Site Emergency Director has the authority to declare event termination. This decision is based on input from the BW, IC, and other emergency response organization members. For events where the Hanford EOC is not activated, the IC and staff will declare event termination.

7.2 Incident Recovery and Restart of Operations

Immediately after an emergency, the BW must provide for treating, storing, or disposing of recovered waste, contaminated soil, or surface water, or any other material that results from a release, fire, or explosion at 4734B. A recovery plan is developed when necessary in accordance with DOE/RL-94-02, Section 9.2.

If this plan was implemented according to Section 4.0 of this plan, Ecology is notified that the 4734B is in compliance with cleanup activities, as described in DOE/RL-94-02, Section 5.1.2.2, before operations can resume.

7.2.1 Incompatible Waste

After an event, the BW or the onsite recovery organization ensures that no waste that might be incompatible with the released material is treated, stored, and/or disposed of until cleanup is completed. Clean up actions are taken by 4734B personnel or other assigned personnel. DOE/RL-94-02, Section 9.2.3, describes actions to be taken.

Waste from cleanup activities is designated and managed as newly generated waste. A field check for compatibility is performed before storage, as necessary. Incompatible wastes are not placed in the same container. Containers of waste are placed in approved storage areas appropriate for their compatibility class.

If incompatibility of waste was a factor in the incident, the BW or the onsite recovery organization ensures that the cause is corrected.

7.2.2 Post Emergency Equipment Maintenance and Decontamination

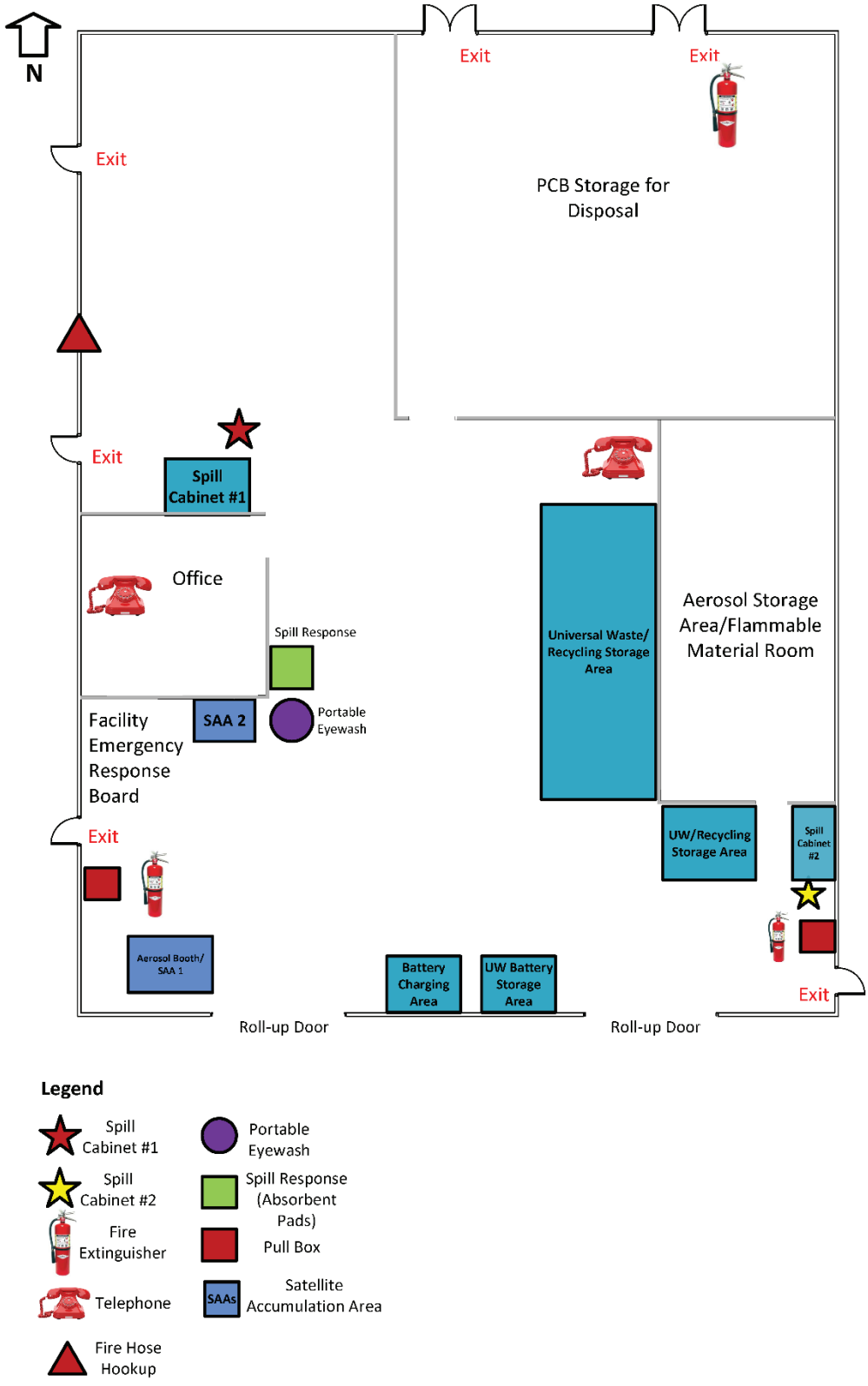
All equipment used during an incident is decontaminated (if practicable) or disposed of as spill debris. Decontaminated equipment is checked for proper operation before storage for subsequent use. Consumable and disposed materials are restocked.
The BW ensures that all equipment is cleaned and fit for its intended use before operations are resumed.

8.0 EMERGENCY EQUIPMENT

Emergency resources and equipment for the 4734B are presented in this section. Emergency equipment must be tested and maintained to assure its proper operation in time of emergency.

Sufficient space is maintained on the exterior of the 4734B to allow access of personnel and equipment responding to fires, spills, or other emergencies. The interior space is designed to allow access by emergency response personnel while maintaining barriers to contain releases of gaseous or liquid waste and hazardous substances as defined in WAC 173-303-040. Exit (egress) paths in the rooms containing dangerous waste are monitored when the building is occupied to ensure the walkways have not been obstructed. See Figure 2 below, which indicates approximate location of emergency equipment.

Figure 2. Emergency Equipment



NOTE 1: *The figure is not to scale and provides only approximate locations of equipment.*

NOTE 2: *PPE is included in both Spill Cabinets #1 and #2, except laboratory coat/coveralls, which are only in Spill Cabinet #2. Absorbent is also only located in Spill Cabinet #2.*

8.1 Fixed Emergency Equipment

The following table lists fixed emergency equipment.

Fixed Emergency Equipment		
Type	**Location**	**Capability**
Fire Sprinkler System	Building 4734B and Flammable Material Room	Fire Control for building including flammable material area
Pull boxes	East and West exit doors of Building 4734B	Alert Hanford Fire Department of Emergency Situation
Fire Hose Hookup	West side of Building outside of 4734B	For Hanford Fire Department use in fire suppression

8.2 Portable Emergency Equipment

The following table lists portable emergency equipment.

Portable Emergency Equipment		
Type	**Location**	**Capability**
Portable Eye Wash	Building 4734B, on the west side of building, next to office cubicle entrance.	For flushing unwanted materials from eyes
Fire Extinguishers	Building 4734B, near each single door on the east and west entrance, inside of building.	A, B, C – capable of putting out wood, paper, liquid, grease, paint or electrical fires

8.3 Communications Equipment/Warning Systems

Whenever dangerous waste is being poured, mixed, spread, or otherwise handled, or if there is ever just a single employee on the premises while the facility is operating, the employee or employees involved must have immediate access to a telephone or cellular telephone capable of summoning emergency assistance.

The following table lists communications equipment.

Communications Equipment		
Type	**Location**	**Capability**
Telephone	Building 4734B, in cubicle area on west side of building or Cell Phone	Used if assistance is needed at Building 4734B

NOTE: *Site-wide communications and warning systems are identified in DOE/RL-94-02, Section 5.2.5.*

8.4 Personal Protective Equipment

The following table lists personal protective equipment.

Personal Protective Equipment		
Type	**Location**	**Capability**
Safety Glasses	Building 4734B, spill cabinets #1 and #2 located on east and west side of building.	To prevent eye injuries while handling materials
Safety Goggles	Building 4734B, spill cabinets #1 and #2 located on east and west side of building.	To prevent liquid/solid materials from entering eyes
Chemical Resistant Gloves	Building 4734B, spill cabinets #1 and #2 located on east and west side of building.	To prevent hazardous chemicals from contacting hands
Face Shields	Building 4734B, spill cabinets #1 and #2 located on east and west side of building.	To prevent liquids splashing on the face and in the eyes
Laboratory Coat/Coveralls	Building 4734B, spill cabinet #2 located on east side of building.	To prevent materials and liquids from splashing on skin and clothing

8.5 Spill Control and Containment Supplies

The following lists spill kits and spill control equipment.

Spill Kits and Spill Control Equipment		
Type	**Location**	**Capability**
Absorbent	Building 4734B, located in cabinet #2 on east wall near the east entrance.	Used to absorb liquid materials
Absorbent pads	Building 4734B, located in a portable plastic tote, on the west side of building, next to office cubicle entrance.	Used for spill cleanup
Plastic bags, tape, marker	Building 4734B, spill cabinets #1 and #2 located on east and west end of building.	Used for containing materials, sealing bags, and labeling, as required, if a spill occurs

9.0 REQUIRED REPORTS

Post incident written reports are required for certain incidents on the Hanford Site. The reports are described in DOE/RL-94-02, Sections 5.1.1.2.4 and 5.1.2.2.

Facility management must note in the generator activity record, the time, date and details of any incident that requires implementation of the contingency plan (refer to Section 4.0 of this plan). Within 15 days after the incident, a written report must be submitted to Ecology. The report must include the elements specified in WAC 173-303-201(14)(k).

10.0 PLAN LOCATION AND AMENDMENTS

Copies of this plan are maintained at the following locations:

- Building 4734B
- Building 2355 Stevens, Room 123
- Building 825 Jadwin, Room 302-A

The generator activity record location will be with the RCRA Permitting Operating Record Location.

This plan will be reviewed and immediately amended, as necessary, in accordance with DOE/RL-94-02, Section 14.3.1.1.

11.0 REFERENCES

DOE/RL-94-02, *Hanford Emergency Management Plan*

Washington Administrative Code 173-303, *Washington State Dangerous Waste Regulations,* Washington State Department of Ecology, Olympia, Washington

Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Permit Number: WA7890008967, Washington State Department of Ecology, as amended

ATTACHMENT A

Listing of Procedures

DOE-0223, Emergency Plan Implementing Procedures, RLEP 1.1, *Hanford Incident Command System and Event Recognition and Classification*

DOE-0223, Emergency Plan Implementing Procedures, RLEP 3.24, *Notification, Reporting, and Processing of Operations Information*

DOE-0223, Emergency Plan Implementing Procedures, RLEP 3.4, *Emergency Termination, Reentry, and Recovery*

ATTACHMENT B

RCRA APPLICABILITY MATRIX FOR GENERATOR ACTIVITIES

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201	Preparedness, prevention, emergency procedures and contingency plans for large quantity generators.	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(1)	Applicability. The regulations of this section apply to those areas of a large quantity generator's facility where dangerous waste is generated or accumulated on site.	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(2)	A large quantity generator facility must be designed, constructed, maintained and operated to minimize the possibility of fire, explosion, or any unplanned sudden or nonsudden release of dangerous waste, hazardous substance or dangerous waste constituents to air, soil, or surface or groundwater which could threaten the public health or the environment. This section describes preparations and preventive measures which help avoid or mitigate such situations.	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(3)	Required equipment. All areas deemed applicable by subsection (1) of this section must be equipped with the following, unless it can be demonstrated to the department that none of the hazards posed by waste or hazardous substance handled at the facility could require a particular kind of equipment specified below. A large quantity generator may determine the most appropriate locations within its facility to locate equipment necessary to prepare for and respond to emergencies:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(3)(a)	(a) An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel;	DOE/RL-94-02, Section 5.2.5.	*FRP Section 8.3* *BEP Section 9.3.*
WAC 173-303-201(3)(b)	(b) A device, such as a telephone (immediately available at the scene of operations) or a hand-held, two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or state or local emergency response teams;	DOE/RL-94-02, Section 5.2.12.	*FRP Section 8.3* *BEP Section 9.3.* Units summon assistance by calling the Hanford Patrol emergency number. No offsite assistance is requested by the unit itself.
WAC 173-303-201(3)(c)	(c) Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as those using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and	DOE/RL-94-02, Sections 11.2.2, 11.2.3, 11.2.4, 11.2.8 and Appendix C.	*FRP Section 8.1, 8.2, 8.5* *BEP Section 9.1, 9.2, 9.5*
WAC 173-303-201(3)(d)	(d) Water at adequate volume and pressure to supply water hose streams, foam producing equipment, automatic sprinklers, or water spray systems.	DOE/RL-94-02, Sections 11.2.2 and 11.2.8.	*FRP Section 8.1* *BEP Section 9.1*

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(4)	Testing and maintenance of equipment. All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, must be tested and maintained as necessary to assure its proper operation in time of emergency.	DOE/RL-94-02, Sections 11.2, 11.2.8, and 11.3.	*FRP Section 8.0* *BEP Section 8.0*
WAC 173-303-201(5)	Access to communications or alarms. Personnel must have immediate access to the signaling devices described in the situations below:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(5)(a)	(a) Whenever dangerous waste is being poured, mixed, spread, or otherwise handled, all personnel involved must have immediate access (e.g., direct or unimpeded access) to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee, unless such a device is not required in subsection (3) of this section;	DOE/RL-94-02, Section 5.2.12	*FRP Section 8.3* *BEP Section 9.3*
WAC 173-303-201(5)(b)	(b) If there is ever just one employee on the premises while the facility is operating, they must have immediate access (e.g., direct or unimpeded access) to a device, such as a telephone (immediately available at the scene of operation) or a hand-held, two-way radio, capable of summoning external emergency assistance, unless such a device is not required in subsection (3) of this section.	DOE/RL-94-02, Section 5.2.12	*FRP Section 8.3* *BEP Section 9.3*
WAC 173-303-201(6)	Aisle space. The generator must maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the department that aisle space is not needed for any of these purposes.	Requirement is met at the unit level.	The process information chapters of Parts III, V, and VI of the Hanford Facility Dangerous Waste Permit (WA7890008967) describe how each unit meets this requirement. For CAAs, FRP Section 8.0. For CAAs, BEP section 9.0
WAC 173-303-201(7)	Arrangements with local authorities. The large quantity generator must attempt to make the following arrangements, as appropriate for the type of waste handled at its facility and the potential need for the services of these organizations, unless the hazards posed by wastes handled at the facility would not require these arrangements:	Introductory statement of requirement – requirements are in sections below.	Requirement is met at the site level.
WAC 173-303-201(7)(a)	(a) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of dangerous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes;	The arrangements agreed to by local police, fire departments emergency response teams to coordinate emergency services are located in DOE/RL-94-02, Sections 3.4, 3.4.1.1, 3.4.1.2, 3.7, and Table 3-1.	Requirement is met at the site level.
WAC 173-303-201(7)(b)	(b) Arrangements to familiarize local hospitals with the properties of dangerous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility;	The arrangements agreed to by local hospitals to coordinate emergency services are located in DOE/RL-94-02, Sections 3.4.1.3, 3.7, and Table 3-1.	Requirement is met at the site level.

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(7)(c)	(c) Agreements with state emergency response teams, emergency response contractors, and equipment suppliers;	The arrangements agreed to by state emergency response teams to coordinate emergency services are located in DOE/RL-94-02, Sections 3.3.1, 3.3.2, 3.7, and Table 3-1.	Requirement is met at the site level.
WAC 173-303-201(7)(d)	(d) Where more than one party might respond to an emergency, agreements designating primary emergency authority and agreements with any others to provide support to the primary emergency authority;	Discussed in the Tri-County Mutual Aid Agreement MOU and Mutual Law Enforcement Assistance MOUs. DOE/RL-94-02, Section 3.7, and Table 3-1.	Requirement is met at the site level.
WAC 173-303-201(7)(e)	(e) Where state or local authorities decline to enter into such arrangements, the generator must document the refusal in the operating record; and	If authorities decline, the documentation will be maintained in the Hanford Facility Operating Record.	Requirement is met at the site level.
WAC 173-303-201(7)(f)	(f) A facility possessing twenty-four-hour response capabilities may seek a waiver from the authority having jurisdiction (AHJ) over the fire code with the facility's locality as far as needing to make arrangements with the local fire department as well as any other organization necessary to respond to an emergency, provided that the waiver is documented in the generator's operating record.	Since the Hanford Site has its own Fire Department and its own Fire Marshal this requirement does not apply. Also, Hanford has long standing, Mutual Aid Agreements with the local fire departments. The Mutual Aid Agreements are provided in Appendix B to DOE/RL 94-02.	Since the Hanford Site has its own Fire Department and its own Fire Marshal this requirement does not apply. Also, Hanford has long standing, Mutual Aid Agreements with the local fire departments. The Mutual Aid Agreements are provided in Appendix B to DOE/RL 94-02.
WAC 173-303-201(8)	Contingency plan purpose and implementation.	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(8)(a)	(a) The large quantity generator must have a contingency plan for the facility. The purpose of a contingency plan and emergency procedures is to lessen the potential impact on the public health and the environment due to any emergency event such as, but not limited to, a fire, natural disaster, explosion, or any unplanned sudden or nonsudden release of dangerous waste, hazardous substance or dangerous waste constituents to air, soil, surface water, or groundwater.	DOE/RL-94-02, Sections 1.1 and 1.2.	*FRP Section 1.0* *BEP Section 1.0* Identified sections of the BEP/FRP are part of the contingency plan.
WAC 173-303-201(8)(b)	(b) A contingency plan must be developed to lessen the potential impacts of such emergency events, and the plan must be implemented immediately when such emergency events occur.	DOE/RL-94-02, Sections 1.1 and 1.2.	*FRP Section 1.0* *BEP Section 1.0* Identified sections of the BEP/FRP are part of the contingency plan.
WAC 173-303-201(9)	Contents of a contingency plan.	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(9)(a)	(a) Each large quantity generator must have a contingency plan at their facility for use in emergencies or any sudden or nonsudden releases which threaten human health and the environment. If the generator has already prepared a spill prevention control and countermeasures (SPCC) plan in accordance with 40 C.F.R. Part 112, or some other emergency or contingency plan, they need only amend that plan to incorporate dangerous waste management provisions that are sufficient to comply with the requirements of this section. The large quantity generator may develop one contingency plan that meets all regulatory requirements. Ecology recommends that the plan be based on the National Response Team's Integrated Contingency Plan Guidance ("One Plan").	DOE/RL-94-02, Sections 1.1 and 1.2. Portions of the Hanford emergency response program are used to meet requirements of WAC 173-303-201(8) through 201(14) under the provision of -201(9).	*FRP Section 1.0* *BEP Section 1.0* Identified sections of the BEP/FRP are part of the contingency plan.
WAC 173-303-201(9)(b)	(b) The contingency plan must contain the following:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(9)(b)(i)	(i) A description of the actions which facility personnel must take to comply with subsections (8) and (14) of this section and WAC 173-303-145;	DOE/RL-94-02, Section 1.3.4 provides an overview of how the Hanford Site responds to emergency events. More specific descriptions of actions to meet other requirements of this section are identified in those sections of this matrix. Actions to comply with WAC 173-303-145 are addressed in DOE/RL-94-02, Section 5.1.2.	*FRP Section 6.1 and subsections and Section 6.2, 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.5, 6.2.5.1* *BEP Section 7.1 and subsections and Section 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1*
WAC 173-303-201(9)(b)(ii)	(ii) A description of the actions which will be taken in the event that a dangerous waste shipment, which is damaged or otherwise presents a hazard to the public health and the environment, arrives at the facility, and is not acceptable to the large quantity generator, but cannot be transported, pursuant to the requirements of WAC 173-303-370(6), manifest system, reasons for not accepting dangerous waste shipments;	Requirement is met at the unit level.	*FRP Section 6.2.5.1* *BEP Section 7.2.5.1*
WAC 173-303-201(9)(b)(iii)	(iii) A description of the arrangements agreed to by local police departments, fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services as required in subsection (7) of this section;	The arrangements agreed to by state emergency response teams to coordinate emergency services are located in DOE/RL-94-02, Sections 3.2.3, 3.3.1, 3.3.2, 3.4, 3.4.1.1, 3.4.1.2, 3.4.1.3, 3.7, and Table 3-1.	Requirement is met at the site level.

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(9)(b)(iv)	(iv) A current list of names and emergency telephone numbers of all persons qualified to act as the emergency coordinator required in this section and this list must be kept up to date. Where more than one person is listed, one must be named as primary emergency coordinator, and others must be listed in the order in which they will assume responsibility as alternates. In situations where the large quantity generator facility has an emergency coordinator continuously on duty because it operates twenty-four hours per day, every day of the year, the plan may list the staffed position (e.g., operations manager, shift coordinator, shift operations supervisor) as well as an emergency telephone number that can be guaranteed to be answered at all times;	DOE/RL-94-02, Sections 2.2 and 2.2.1.1 discusses personnel job titles, which will fill duties and responsibilities of the Emergency Coordinator, described in WAC173-303-201(13). A list of current assigned or "on-call" BEDs/BWs is maintained at the Patrol Operations Center per II.A.4. A list of BEDs/BWs for central accumulation areas and satellite accumulation areas is maintained in Permit Attachment 4A. Changing BEDs/BWs on this list is not subject to permit modification requirements. Updates to the list will be provided to Ecology per II.A.4.a.	*FRP Sections 3.1* *BEP Sections 3.1* The list of BEDs/BWs for CAAs and SAAs is maintained and collocated with the BEP/FRP
WAC 173-303-201(9)(b)(v)	(v) A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems, and decontamination equipment), where this equipment is required. This list must be kept up to date. In addition, the plan must include the location and a physical description of each item on the list, and a brief outline of its capabilities; and	DOE/RL-94-02, Sections 11.2 and 11.2.8, and Appendix C.	*FRP Sections 8.1, 8.2, 8.3, 8.4, 8.5* *BEP Sections 9.1, 9.2, 9.3, 9.4, 9.5*
WAC 173-303-201(9)(b)(vi)	(vi) An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan must describe the signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of materials or fires).	DOE/RL-94-02, Figure 7-3, and Table 5-1.	*FRP Section 6.1.1* *BEP Section 7.1.1*
WAC 173-303-201(10)	Copies of contingency plan. A copy of the contingency plan and all revisions to the plan must be:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(10)(a)	(a) Maintained at the large quantity generator's facility; and	DOE/RL-94-02, Section 14.3.7.	*FRP Section 10.0* *BEP Section 12.0*
WAC 173-303-201(10)(b)	(b) Submitted by the large quantity generator to all local emergency responders (i.e., police departments, fire departments, hospitals, and state and local emergency response teams) that may be called upon to provide emergency services.	DOE/RL-94-02, Section 14.3.7.	Requirement is met at the site level. DOE is responsible for offering documents to offsite entities.

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(11)	Quick reference guide. (a) A large quantity generator who first becomes subject to these provisions and any current large quantity generator who is amending its contingency plan must at that time submit a quick reference guide of the contingency plan to the local emergency responders identified in subsection (10) of this section. (b) Contents of the quick reference guide. This quick reference guide must include the following elements: (i) The types and names of dangerous waste in layman's terms and the associated hazards associated with each dangerous waste present at any one time (e.g., toxic paint waste, spent ignitable solvent, corrosive acid); (ii) The estimated maximum amount of each dangerous waste that may be present at any one time; (iii) The identification of any dangerous waste where exposure would require unique or special treatment by medical or hospital staff; (iv) A map of the facility showing where dangerous wastes are generated, accumulated, recycled and treated and routes for accessing these wastes; (v) A street map of the facility in relation to surrounding businesses, schools and residential areas to understand how best to get to the facility and also evacuate citizens and workers; (vi) The locations of water supply (e.g., fire hydrant and its flow rate); (vii) The identification of on-site notification systems (e.g., a fire alarm that rings off site, smoke alarms); and (viii) The name of the emergency coordinator(s) and seven days/twenty-four-hours emergency telephone number(s) or, in the case of a facility where an emergency coordinator is continuously on duty, the emergency telephone number for the emergency coordinator. (c) Generators must update, if necessary, their quick reference guides, whenever the contingency plan is amended and submit these documents to the local emergency responders identified in this section.	Permit Condition II.A.7 and Permit Attachment 9	Requirement is met at the site level.
WAC 173-303-201(12)	Amendments of a contingency plan. The large quantity generator must review and immediately amend the contingency plan, if necessary, whenever:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(12)(a)	(a) Applicable regulations are revised;	DOE/RL-94-02, Section 14.3.1.1.	*FRP Section 10.0* *BEP Section 12.0*
WAC 173-303-201(12)(b)	(b) The plan fails in an emergency;	DOE/RL-94-02, Section 14.3.1.1.	*FRP Section 10.0* *BEP Section 12.0*
WAC 173-303-201(12)(c)	(c) The generator's facility changes (in its design, construction, operation, maintenance, or other circumstances) in a way that materially increases the potential for fires, explosions, or releases of dangerous waste or dangerous waste constituents, or in a way that changes the response necessary in an emergency;	DOE/RL-94-02, Section 14.3.1.1.	*FRP Section 10.0* *BEP Section 12.0*
WAC 173-303-201(12)(d)	(d) The list of emergency coordinators changes; or	DOE/RL-94-02, Section 14.3.1.1.	*FRP Section 10.0* *BEP Section 12.0*

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(12)(e)	(e) The list of emergency equipment changes.	DOE/RL-94-02, Section 14.3.1.1.	*FRP Section 10.0* *BEP Section 12.0*
WAC 173-303-201(13)	Emergency coordinator. At all times, there must be at least one employee either on the facility premises or on call (that is, available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures. This emergency coordinator must be thoroughly familiar with all aspects of the facility's contingency plan, required by subsection (9) of this section, all operations and activities at the facility, the location and properties of all wastes handled, the location of all records within the facility, and the facility layout. In addition, this person must have the authority to commit the resources needed to carry out the contingency plan and to implement the necessary emergency procedures outlined in subsection (14) of this section.	DOE/RL-94-02, Sections 2.2 and 2.2.1.1.	*FRP Section 3.1* *BEP Section 3.1* Permit Attachment 4A lists the BED/BW for each unit.
WAC 173-303-201(14)	Emergency procedures. The following procedures must be implemented in the event of an emergency:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(14)(a)	(a) Whenever there is an imminent or actual emergency situation, the emergency coordinator (or designee when the emergency coordinator is on call) must immediately:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(14)(a)(i)	(i) Activate internal facility alarms or communication systems, where applicable, to notify all facility personnel; and	DOE/RL-94-02, Sections 2.2.1.1.2(b), 2.2.1.1.3(b), and 5.2.5.	*FRP Section 6.1 and subsections, and 6.2 and subsections* *BEP Section 7.1 and subsections, and 7.2 and subsections*
WAC 173-303-201(14)(a)(ii)	(ii) Notify appropriate state or local agencies with designated response roles if their help is needed.	DOE/RL-94-02, Sections 1.3.4, and 5.2.1. Units summon assistance by calling the Hanford Patrol emergency number. No offsite assistance is requested by the unit itself.	*FRP Section 4.0* *BEP Section 4.0*
WAC 173-303-201(14)(b)	(b) Whenever there is a release, fire, or explosion, the emergency coordinator must immediately identify the character, exact source, amount, and areal extent of any released materials.	DOE/RL-94-02, Sections 2.2.1.1.2(f), 2.2.1.1.3(g), and 4.2.	*FRP Section 4.0* *BEP Section 4.0*
WAC 173-303-201(14)(c)	(c) Concurrently, the emergency coordinator must assess possible hazards to human health and the environment (considering direct, indirect, immediate, and long-term effects) that may result from the release, fire, or explosion.	DOE/RL-94-02, Section 4.2, and 2.2.2.2.4.	*FRP Section 4.0* *BEP Section 4.0*
WAC 173-303-201(14)(d)	(d) If the emergency coordinator determines that the facility has had a release, fire, or explosion which could threaten human health or the environment, they must report their findings as follows:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(14)(d)(i)	(i) If their assessment indicates that evacuation of local areas may be advisable, they must immediately notify appropriate local authorities. They must be available to help appropriate officials decide whether local areas should be evacuated; and	DOE/RL-94-02, Sections 2.2.1.1.2(a) & (d), 2.2.1.1.3 (a) & (e), 5.1.1, 5.1.1.2, and 5.1.2.1.	*FRP Section 6.1* *BEP Section 7.1*
WAC 173-303-201(14)(d)(ii)	(ii) They must immediately notify the department and either the government official designated as the on-scene coordinator, or the National Response Center (using their twenty-four-hour toll free number 1-800-424-8802).	DOE/RL-94-02, Sections 2.2.1.1.2(a) & (d), 2.2.1.1.3 (a) & (e), 5.1.1, 5.1.1.2, 5.1.2.1, and 5.1.2.2.	*FRP Section 4.0* *BEP Section 4.0*
WAC 173-303-201(14)(e)	(e) Their assessment report must include: (i) Name and telephone number of reporter; (ii) Name and address of facility; (iii) Time and type of incident (e.g., release, fire); (iv) Name and quantity of material(s) involved, to the extent known; (v) The extent of injuries, if any; and (vi) The possible hazards to human health or the environment outside the facility.	DOE/RL-94-02, Sections 2.2.1.1.2(d), 2.2.1.1.3(e), 5.1.1, 5.1.1.2, 5.1.2.1, and 5.1.2.2.	*FRP Section 4.0* *BEP Section 4.0*
WAC 173-303-201(14)(f)	(f) During an emergency, the emergency coordinator must take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other dangerous waste at the facility. These measures must include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.	DOE/RL-94-02, Sections 2.2.1.1, 2.2.1.1.2(f) and 2.2.1.1.3(g).	*FRP Section 6.6* *BEP Section 7.6*
WAC 173-303-201(14)(g)	(g) If the facility stops operations in response to a fire, explosion, or release, the emergency coordinator must monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.	DOE/RL-94-02, Sections 2.2.1.1.2(f) and 2.2.1.1.3(g).	*FRP Sections 6.2.4 and 6.2.5* *BEP Sections 7.2.4 and 7.2.5*
WAC 173-303-201(14)(h)	(h) Immediately after an emergency, the emergency coordinator must provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the facility.	DOE/RL-94-02, Section 9.2.3.	*FRP Section 7.2* *BEP Section 8.2*
WAC 173-303-201(14)(i)	(i) The emergency coordinator must ensure that, in the affected area(s) of the facility:	Introductory statement of requirement – requirements are in sections below.	Introductory statement of requirement – requirements are in sections below.
WAC 173-303-201(14)(i)(i)	(i) No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed; and	DOE/RL-94-02, Section 9.2.3.	*FRP Section 7.2.1* *BEP Section 8.2.1*
WAC 173-303-201(14)(i)(ii)	(ii) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.	DOE/RL-94-02, Section 11.2.	*FRP Section 7.2.2* *BEP Section 8.2.2*
WAC 173-303-201(14)(j)	(j) The large quantity generator must notify the department, and appropriate local authorities, that the facility is in compliance with this subsection (14)(i) of this section before operations are resumed in the affected area(s) of the facility.	DOE/RL-94-02, Section 5.1.2.2.	*FRP Section 7.2* *BEP Section 8.2*

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	SITE LEVEL (How/Where Met)	UNIT LEVEL (How/Where Met)
WAC 173-303-201(14)(k)	(k) The large quantity generator must note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within fifteen days after the incident, they must submit a written report on the incident to the department. The report must include: (i) Name, address, and telephone number of the generator; (ii) Name, address, and telephone number of the facility; (iii) Date, time, and type of incident (e.g., fire, explosion); (iv) Name and quantity of material(s) involved; (v) The extent of injuries, if any; (vi) An assessment of actual or potential hazards to human health or the environment, where this is applicable; (vii) Estimated quantity and disposition of recovered material that resulted from the incident; (viii) Cause of incident; and (ix) Description of corrective action taken to prevent reoccurrence of the incident.	DOE/RL-94-02, Sections 5.1.2.1 and 5.1.2.2.	*FRP Section 9.0* *BEP Section 11.0*