

1  
2  
3  
4

**ADDENDUM J**  
**CONTINGENCY PLAN**

DRAFT

1  
2  
3  
4

**This page intentionally left blank.**

DRAFT

**ADDENDUM J**  
**CONTINGENCY PLAN**

1  
2  
3 J CONTINGENCY PLAN .....J.1  
4 J.1 Building Evacuation Routing (Building Layout).....J.3  
5 J.2 Building Emergency Director .....J.3  
6 J.3 Implementation of the Contingency plan.....J.3  
7 J.3.1 Protective Action Responses.....J.4  
8 J.3.2 Response to Facility Operations Emergencies.....J.5  
9 J.3.3 Prevention of Recurrence or Spread of Fires, Explosions, or Releases .....J.7  
10 J.3.4 Incident Recovery and Restart of Operations .....J.7  
11 J.3.5 Incompatible Waste .....J.8  
12 J.3.6 Post Emergency Equipment Maintenance and Decontamination .....J.8  
13 J.4 Emergency Equipment.....J.8  
14 J.4.1 Fixed Emergency Equipment.....J.9  
15 J.4.2 Portable Emergency Equipment .....J.9  
16 J.4.3 Communications Equipment and Warning Systems.....J.9  
17 J.4.4 Personal Protective Equipment .....J.9  
18 J.4.5 Spill Kits and Spill Control Equipment .....J.10  
19 J.4.6 Incident Command Post.....J.10  
20 J.5 Required Reports .....J.10  
21 J.6 Plan Location and Amendments .....J.10  
22 J.7 Facility/Building Emergency Response Organization.....J.10  
23 J.7.1 T Plant Complex Building Emergency Director.....J.10  
24  
25  
26  
27

1  
2  
3  
4  
5

**This page intentionally left blank.**

DRAFT

1 **J CONTINGENCY PLAN**

2 The requirements in this Contingency Plan are applicable to waste that is regulated by [WAC 173-303](#)  
3 (e.g. dangerous and/or mixed waste). Pursuant to [WAC 173-303-350](#)(2), and according to the provisions  
4 of this Addendum J, the Hanford Facility Permit WA7890008967 (Permit) Attachment 4, *Hanford*  
5 *Emergency Management Plan* (DOE/RL 94 02), and the Building Emergency Plan specific to the T-Plant  
6 Facility will be amended to incorporate requirements of [WAC 173-303-350](#) and [WAC 173-303-360](#)  
7 within 30 days of the effective date of the permit.

8 Table J.1 identifies the sections of the unit-specific building emergency plan written to meet [WAC 173-](#)  
9 [303-350](#)(3) contingency plan requirements identified in this addendum. In addition, Section 12.0 of the  
10 unit-specific T-Plant building emergency plan is written to meet [WAC 173-303-350](#) and [WAC 173-303-](#)  
11 [360](#) requirements. Copies of Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-  
12 02) and the building emergency plan are located and maintained on the Hanford Facility and available as  
13 identified in Section J.6. Revisions to Addendum J require a permit modification subject to [WAC 173-](#)  
14 [303-830](#) and Permit Condition I.C.3.

15 The unit specific building emergency plan also serves to satisfy a broad range of other requirements [e.g.,  
16 Occupational Safety and Health Administration standards [29 CFR 1910], *Toxic Substance Control Act of*  
17 *1976* [40 CFR 761] and U.S. Department of Energy Orders. Therefore, revisions made to portions of this  
18 unit specific building emergency plan that are not governed by the requirements of WAC 173-303 will  
19 not be considered as a modification subject to [WAC 173-303-830](#) or Permit Condition I.C.3.

20 Any changes to sections of Attachment 4 or the BEP that are governed by the requirements of WAC 173-  
21 303-350 and -360 (identified in Table J.1) will be provided to Ecology for review to ensure compliance  
22 with the requirements of Addendum J and to determine if a permit modification request is required.

**Table J.1. Hanford Facility Documents Containing Contingency Plan Requirements of WAC 173 303-350(3)**

Requirement	Permit Attachment 4 Hanford Emergency Management Plan (DOE/RL-94-02)	Building Emergency Plan <sup>1</sup> (HNF-IP-0263-TPC)	Addendum J
<a href="#">-350(3)(a)</a> - A description of the actions which facility personnel must take to comply with this section and <a href="#">WAC 173-303-360</a>	X <sup>2</sup> Section 1.3.4	X <sup>2</sup> Sections 7.1, 7.2 through 7.2.5, and 7.3 <sup>3</sup> Sections 4.0, 8.2, 8.3, 8.4, and 11.0	X <sup>2</sup> Sections J.3.1, J.3.2, through J.3.2.5, and J.3.3 <sup>3</sup> Sections J.3, J.3.4, J.3.5, J.3.6, and J.5

An 'X' indicates requirement applies.

<sup>1</sup> Portions of Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-02) not enforceable through Appendix A of that document are not made enforceable by reference in the building emergency plan.

<sup>2</sup> Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-02) contains descriptions of actions relating to the Hanford Site Emergency Preparedness System. Other credible scenarios that exist at T-Plant and all emergency procedures at T-Plant that are different from those in Attachment 4 must be identified in the T-Plant BEP. The description of actions contained in the building emergency plan will be used during an event by a building emergency director.

<sup>3</sup> This footnote is intended to be blank.

**Table J.1. Hanford Facility Documents Containing Contingency Plan Requirements of WAC 173 303-350(3)**

Requirement	Permit Attachment 4 Hanford Emergency Management Plan (DOE/RL-94-02)	Building Emergency Plan <sup>1</sup> (HNF-IP-0263-TPC)	Addendum J
- <a href="#">350(3)(b)</a> - A description of the actions which shall 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 owner or operator, but cannot be transported pursuant to the requirements of <a href="#">WAC 173-303-370(5)</a> , Manifest system, reasons for not accepting dangerous waste shipments	X <sup>2</sup> Section 1.3.4	X <sup>2,4</sup> Section 7.2.5.1	X <sup>2,4</sup> Section J.3.2.5.1
- <a href="#">350(3)(c)</a> - 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 <a href="#">WAC 173-303-340(4)</a>	X 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		
- <a href="#">350(3)(d)</a> - A current list of names, addresses, and phone numbers (office and home) of all persons qualified to act as the emergency coordinator required under <a href="#">WAC 173-303-360(1)</a> . 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. .		X <sup>5</sup> Sections 3.1 and 13.0	X <sup>5</sup> Sections J.2 and J.7
- <a href="#">350(3)(e)</a> - 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.		X Section 9.0	X Section J.4

<sup>4</sup> This footnote is intended to be left blank.

<sup>5</sup> Emergency Coordinator names and home telephone numbers are maintained with the Patrol Operation Center (telephone number 373-0911) in accordance with Permit Condition II.A.3, and will be updated, at a minimum, monthly.

**Table J.1. Hanford Facility Documents Containing Contingency Plan Requirements of WAC 173 303-350(3)**

Requirement	Permit Attachment 4 Hanford Emergency Management Plan (DOE/RL-94-02)	Building Emergency Plan <sup>1</sup> (HNF-IP-0263-TPC)	Addendum J
-350(3)(f) - 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.	X <sup>6</sup> Figure 7-3 and Table 5-1	X <sup>7</sup> Section 1.5	X <sup>7</sup> Section J.1 and facility operating record

1 **J.1 Building Evacuation Routing (Building Layout)**

2 Evacuation routing maps will be maintained in the facility operating record and provide identification of  
3 the primary and secondary staging areas and a general layout of the T-Plant Complex. Alternate  
4 evacuation routes will be used on a case-by-case basis, based on meteorological conditions at the time of  
5 the event.

6 **J.2 Building Emergency Director**

7 The Incident Command System (ICS) and staff, with supporting on-call personnel, will meet the  
8 requirements of the Emergency Coordinator as identified in [WAC 173-303-360\(1\)](#). The Building  
9 Emergency Director (BED) will direct emergency response until the Incident Commander (IC) arrives.  
10 The Incident Command System (ICS) and staff with supporting on-call personnel, fulfill the  
11 responsibilities of the Emergency Coordinator as discussed in [WAC 173-303-360](#). The BED becomes a  
12 member of the ICP and functions under the direction of the IC. In this role, the BED will continue to  
13 manage and direct T-Plant operations. During events, T-Plant personnel will perform response duties  
14 under the direction of the BED. The senior Hanford Fire Department official will manage the Incident  
15 Command Post (ICP), unless the event is determined to be primarily a security event, in which case the  
16 Hanford Fire Department and Hanford Patrol will operate under a unified command system with Hanford  
17 Patrol making all the decisions pertaining to security. These individuals will be designated as the IC and  
18 as such, have the authority to request and obtain any resources necessary for protecting people and the  
19 environment.

20 A listing of BEDs by title, work, location, and work telephone number is contained in Section J.7 of this  
21 plan. The BED will be on the premises or be available through an "on-call" list 24-hours-a-day. Names  
22 and home telephone numbers of the BEDs are available from the Patrol Operations Center (POC) in  
23 accordance with Permit Condition II.A.3.

24 **J.3 Implementation of the Contingency plan**

25 In accordance with [WAC 173-303-360\(2\)\(b\)](#) whenever there is a release, fire, or explosion, the BED will  
26 ensure that trained personnel identify the character, exact source, amount, and areal extent of any released  
27 materials. Identification of waste can be made by activities that can include, but are not limited to, visual  
28 inspection of containers, sampling activities in the field, reference to inventory records, or by consulting  
29 with facility personnel. During the emergency, if samples of materials are required, sampling will be  
30 performed by qualified personnel and the samples will be analyzed as appropriate. These activities must  
31 be performed with a sense of immediacy and will include available information.

<sup>6</sup> The Hanford Facility signals are provided in Attachment 4, Table 5.1. T-Plant specific communication equipment and warning systems are provided in section J.4.3.

<sup>7</sup> Evacuation routes for occupied buildings surrounding the DWMU are posted on information boards within the buildings.

1 The BED will use the emergency procedures of [WAC 173-303-360\(2\)\(d\)](#) to implement an emergency  
2 event:

3 “If the emergency coordinator determines that the facility has had a release, fire, or explosion which could  
4 threaten human health or the environment, he must report his findings as follows:

5 (i) If his assessment indicates that evacuation of local areas may be advisable, he must immediately  
6 notify appropriate local authorities. He must be available to help appropriate officials decide whether  
7 local areas should be evacuated; and

8 (ii) He must immediately notify the department and either the government official designated as the  
9 on-scene coordinator, or the National Response Center (using their 24-hour toll free number (800)  
10 424-8802).”

11 As soon as possible after stabilizing event conditions, the BED will determine, in consultation with the  
12 site contractor environmental single-point-of-contact, if notification to Washington State Department of  
13 Ecology (Ecology) is needed to meet [WAC 173-303-360\(2\)\(d\)](#) reporting requirements. Additional  
14 information is found in Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-02),  
15 Section 4.2.

16 If review of all available information does not yield a definitive assessment of the danger posed by the  
17 incident, a worst-case condition will be presumed and appropriate protective actions and notifications will  
18 be initiated. The BED will be responsible for initiating any protective actions based on their best  
19 judgment of the incident.

20 The BED will assess each incident to determine the response necessary to protect the personnel, facility,  
21 and the environment. If assistance from Hanford Patrol, Hanford Fire Department, or ambulance units is  
22 required, the Hanford Emergency Response Number (911 from site office phones/373-0911 from cellular  
23 phones) will be used to contact the Patrol Operation Center and request the desired assistance. To request  
24 other resources or assistance from outside the T Plant Complex, the Patrol Operations Center business  
25 number is used (373-3800).

### 26 **J.3.1 Protective Action Responses**

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

#### 30 **J.3.1.1 Evacuation**

31 If an evacuation is ordered or the evacuation siren sounds, personnel will leave the building by the nearest  
32 exit and proceed to the staging area (refer to Section J.1) for accountability unless told otherwise.

33 The order to evacuate is normally passed via the Site Alerting Systems. When possible, the following  
34 steps must be conducted concurrently.

---

### AREA EVACUATION PROCESS

---

- Halt any operations or work and place the structures in a safe condition, time permitting. Use emergency shutdown procedures if necessary.
  - Use whatever means are available (PA system, bullhorns, runners, etc.) to pass the evacuation information to personnel.
  - Sound the evacuation siren (if available), or issue the order to evacuate by any available means.
  - Evacuate personnel to the staging area. Assist those needing help (temporary/permanent/ disabled).
  - Conduct personnel accountability. If unable to account for personnel, report personnel accountability results to the Protective Action Coordinator in the Hanford-Emergency Operations Center (Hanford-EOC).
  - Inform IC of any potentially affected personnel (e.g., injured, contaminated, exposed, etc.) once the IC arrives at the ICP.
  - Segregate personnel into four groups: PPE clothing-clad personnel, persons with keys to immediately available private vehicles, persons with keys to government vehicles, and all others.
  - Load personnel in civilian clothes into private and government vehicles, load PPE-clad persons into a separate government vehicle, if possible, and try to provide reserve transportation for people with late shutdown duties.
  - Relay pertinent evacuation information (routes, destination, etc.) to personnel with vehicle keys.
  - Dispatch vehicles as soon as the vehicles are loaded.
  - Load remaining personnel into private vehicles, maintaining segregation if possible.
  - Report status to the Hanford-EOC, request additional transportation if required, and report if any personnel remain who are performing late shutdown duties.
- 

#### 1 **J.3.1.2 Take Cover**

2 When the Take Cover Alarm is activated, personnel will take cover in the nearest habitable building or  
3 trailer. A message followed by the Take Cover siren is transmitted over the area emergency sirens. The  
4 following actions will be taken or considered:

- 5 • Shut doors and windows and wait for further instructions.
- 6 • Secure unfiltered ventilation.
- 7 • Lock up classified documents, follow normal exit procedures from radiological areas (in  
8 preparation for a possible evacuation) etc.
- 9 • Report your location to the Accountability Aide or the BED.
- 10 • Accountability Aides provide accountability status to the Staging Area Manager for facility  
11 personnel during an event.
- 12 • Inform IC of potentially affected personnel (i.e., injured, contaminated, exposed, etc.) once the IC  
13 arrives at the ICP.

#### 14 **J.3.2 Response to Facility Operations Emergencies**

15 Depending on the severity of the event, the BED will review the site-wide and T-Plant Complex  
16 emergency response procedure(s) and, as required, categorize and/or classify the event. If necessary, the  
17 BED will initiate area protective actions and Hanford Site Emergency Response Organization activation.  
18 The steps identified in the following description of actions do not have to be performed in sequence  
19 because of the unanticipated sequence of incident events.

1 **J.3.2.1 Loss of Utilities**

2 A case-by-case evaluation is required for each event to determine loss of utility impacts. When a BED  
3 determines a loss of utility impact, actions will be taken to ensure dangerous and/or mixed waste is being  
4 properly managed. As necessary, the BED will stop operations and take appropriate actions until the  
5 utility is restored.

6 **J.3.2.2 Major Process Disruption/Loss of Plant Control**

7 If a large diameter container is partially or completely dropped or becomes immobilized during  
8 movement, work activities cease, the area will be placed in a safe configuration, and recovery activities  
9 will be initiated.

10 **J.3.2.3 Pressure Release**

11 Response to a pressure release includes the following:

- 12 • Notify personnel to leave the area of the hazard. In the event of any injuries, personnel will  
13 immediately call 911 from site office phones/373-0911 from cellular phones for medical  
14 response.
- 15 • Inform the BED.
- 16 • If possible, shut off the affected system's source (e.g., steam decontamination unit by use of  
17 valves).
- 18 • Evacuate affected areas.
- 19 • Determine impacts/risks associated with reentry (e.g., hazardous or radioactive releases, moisture  
20 or heat conditions).
- 21 • Inform appropriate maintenance personnel for repair.

22 **J.3.2.4 Fire and/or Explosion**

23 In the event of a fire, the discoverer will activate a fire alarm (pull box); calls 911 from Site office  
24 phones/373-0911 from cellular phones, or verify that the Hanford Emergency Response Number has been  
25 called. Automatic initiation of a fire alarm (through the smoke detectors and sprinkler systems) is also  
26 possible.

- 27 • Unless otherwise instructed, personnel will evacuate the area/building by the nearest safe exit and  
28 proceed to the designated staging area for accountability.
- 29 • On actuation of the fire alarm, ONLY if time permits, personnel will shut down equipment,  
30 secure waste, and lock up classified materials (or hand carry them out). The alarm automatically  
31 signals the Hanford Fire Department.
- 32 • The BED will proceed directly to the ICP, obtain all necessary information pertaining to the  
33 incident, and send a representative to meet the Hanford Fire Department.
- 34 • The BED will provide a formal turnover to the IC, when the IC arrives at the ICP.
- 35 • The BED will inform the Hanford Site Emergency Response Organization as to the extent of the  
36 emergency (including estimates of dangerous waste and mixed waste quantities released to the  
37 environment).
- 38 • If operations are stopped in response to the fire, the BED will ensure that systems are monitored  
39 for leaks, pressure buildup, gas generation, and ruptures.
- 40 • Hanford Fire Department firefighters will extinguish the fire as necessary.

41 **J.3.2.5 Hazardous Material, Dangerous and/or Mixed Waste Spill**

42 Spills can result from many sources including process leaks, container spills or leaks, damaged packages  
43 or shipments, or personnel error. Spills of mixed waste are complicated by the need to deal with the extra  
44 hazards posed by the presence of *Atomic Energy Act* materials.

45

- 1 • The discoverer will notify the BED and initiate SWIMS response:
  - 2 – **S**tops work
  - 3 – **W**arns others in the vicinity
  - 4 – **I**solates the area
  - 5 – **M**inimizes exposure to the hazards
  - 6 – Requests the BED **S**ecure ventilation.
- 7 • The BED will determine if emergency conditions exist requiring response from the Hanford Fire
- 8 Department based on classification of the spill and injured personnel, and will evaluate the need
- 9 to perform additional protective actions.
- 10 • If the Hanford Fire Department resources are not needed, the spill will be mitigated with
- 11 resources identified in Section J.4 and proper notifications will be made.
- 12 • If the Hanford Fire Department resources are needed, the BED calls 911 from site office phones/  
13 373-0911 from cellular phones.
- 14 • The BED will send a representative to meet the Hanford Fire Department.
- 15 • The BED will provide a formal turnover to the IC when the IC arrives at the ICP.
- 16 • The BED will inform the Hanford Site Emergency Response Organization as to the extent of the
- 17 emergency (including estimates of dangerous waste and mixed waste quantities released to the
- 18 environment).
- 19 • If operations are stopped in response to the spill, the BED will ensure that systems are monitored
- 20 for leaks, pressure buildup, gas generation, and ruptures.
- 21 • Hanford Fire Department will stabilize the spill.

#### 22 **J.3.2.5.1 Damaged or Unacceptable Shipments**

23 During the course of receiving dangerous or mixed waste at T Plant Complex, an unanticipated event  
24 could be discovered resulting in a conformance issue concerning the waste. In some cases, the  
25 conformance issue will result from receiving an off-site shipment, manifested pursuant to Permit,  
26 Condition II.N.2, or [WAC 173-303-370](#) that is damaged or otherwise presents a hazard and cannot be  
27 transported. Damaged or unacceptable shipments resulting from onsite transfers are not subject to  
28 [WAC 173-303-370](#); however, conformance issues will be resolved in order to maintain proper records.

29 Regardless of whether the waste is received as an off-site shipment or onsite transfer, the following  
30 actions will be taken:

- 31 • Operations management will be notified of the damaged or unacceptable waste to be received.
- 32 • If the conformance issue results in a spill or release, actions described in Section J.3.2.5 will be  
33 taken.
- 34 • The generating organization will be notified of the conformance issue.
- 35 • An operations representative, in conjunction with the generating organization, will determine the  
36 course of action to resolve the conformance issue.

#### 37 **J.3.3 Prevention of Recurrence or Spread of Fires, Explosions, or Releases**

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

#### 43 **J.3.4 Incident Recovery and Restart of Operations**

44 A written recovery plan is needed following an event when the recovery actions could result in further  
45 risk to human health or the environment. This written recovery plan will be developed when necessary in

1 accordance with Permit Attachment 4, Hanford Emergency Management Plan (DOE/RL-94-02), Section  
2 9.2. Permit Attachment 4, Hanford Emergency Management Plan (DOE/RL-94-02), Section 5.1, also  
3 discusses different reports to outside agencies.

4 If the contingency plan was implemented, Ecology will be notified before operations can resume [[WAC](#)  
5 [173-303-360\(2\)\(j\)](#)]. This notification must include the following statements.

- 6 • No waste that may be incompatible with the released material is treated, stored, or disposed of  
7 until cleanup procedures are completed. [WAC 173-303-360\(2\)\(i\)](#); and
- 8 • All emergency equipment listed in the contingency plan is cleaned, and fit for its intended use  
9 before operations are resumed. [WAC 173-303-360\(2\)\(i\)\(ii\)](#).

10 The notification required by [WAC 173-303-360\(2\)\(j\)](#) may be made via telephone and documentation of  
11 the notification will be included in the T-Plant operating record. Additional information that Ecology  
12 requests will be included in the required 15-day report identified in Section J.5 and required by [WAC](#)  
13 [173-303-360\(2\)\(k\)](#).

14 For emergencies not involving activation of the Hanford-EOC, the BED will ensure that conditions are  
15 restored to normal before operations are resumed. If the Hanford Site Emergency Response Organization  
16 was activated and the emergency phase is complete, a special recovery organization could be appointed at  
17 the discretion of RL to restore conditions to normal. This process is detailed in RL and contractor  
18 emergency procedures. The makeup of this organization depends on the extent of the damage and the  
19 effects. The onsite recovery organization will be appointed by the appropriate contractor's management.

### 20 **J.3.5 Incompatible Waste**

21 After an emergency, the BED or the onsite recovery organization will ensure that no waste that may be  
22 incompatible with the released material is treated, stored, or disposed of until cleanup procedures are  
23 completed pursuant to [WAC 173-303-360\(2\)\(i\)](#). Clean up actions will be taken by T-Plant personnel or  
24 other assigned personnel. Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-  
25 02), Section 9.2.3, describes actions to be taken.

26 Waste from cleanup activities will be designated and managed as newly generated waste. A field check  
27 for compatibility will be performed before storage, as necessary. Incompatible wastes will not be placed  
28 in the same container and will follow the requirements of [WAC 173-303-630\(9\)](#). Containers of waste  
29 will be placed in approved storage areas appropriate for their compatibility class.

30 If incompatibility of waste was a factor in the incident, the BED or the onsite recovery organization will  
31 ensure that the cause is identified and corrected.

### 32 **J.3.6 Post Emergency Equipment Maintenance and Decontamination**

33 The BED will ensure that all emergency equipment listed in the Section J.4 is cleaned and fit for its  
34 intended use before operations are resumed in accordance with [WAC 173-303-360\(2\)\(i\)\(ii\)](#). Depleted  
35 stocks of neutralizing and absorbing materials will be replenished; protective clothing will be cleaned or  
36 disposed of and restocked, etc.

37 All equipment used during an incident will be decontaminated (if practicable) or disposed of as spill  
38 debris. Decontaminated equipment will be checked for proper operation before storage for subsequent  
39 use. Consumable and disposed materials will be restocked. Fire extinguishers will be replaced.

## 40 **J.4 Emergency Equipment**

41 Emergency resources and equipment for the T Plant Complex are presented in this section.

1 **J.4.1 Fixed Emergency Equipment**

Type	Location	Capability
Fire Detection Equipment	Master Fire Alarm Boxes located in 2706-T Electrical Room and 271-T Entry Foyer.	Manual pull station or detector transmits signal to master fire alarm box and then the Hanford Fire Department.
Automatic Sprinkler System	Installed throughout 271-T, 2706-T, and MO-433.	Automatically activates and controls or extinguishes fire.

2 **J.4.2 Portable Emergency Equipment**

Type	Location	Capability
Fire Extinguisher	Throughout the complex	Manually operated first aid for small fires.
Eye Wash/Safety Shower	Pipe Gallery for storage, work location for use	Assists in flushing chemical/material from eyes, clothes, and body.

3 **J.4.3 Communications Equipment and Warning Systems**

Type	Location	Capability
PA System	Throughout complex	Public address system used for communication

4 Note: Site wide communications and warning systems are identified in Permit Attachment 4, *Hanford*  
5 *Emergency Management Plan* (DOE/RL-94-02), Table 5.1.

6 **J.4.4 Personal Protective Equipment**

Type	Location	Capability
Protective Clothing	Section 20, Operating Gallery; Section 20, Pipe Gallery; MO-433; 2716-T, Section 11, 271-T third floor; Head End	Protect personnel from exposure to hazardous chemicals/materials
Respirators	Mask Station, 271-T	Protect personnel from hazardous atmosphere and airborne particulates
Powered Air Purifying Respirators (PAPRs)	Mask Station, 271-T	Protect personnel from hazardous atmosphere and airborne particulates
Acid Suit	First floor, Pipe Gallery, 221-T	Provides personnel protection from acids/caustics

1 **J.4.5 Spill Kits and Spill Control Equipment**

Type	Location	Capability
Absorbents, spill pigs and pillows, and gloves	First floor Pipe Gallery Spill Cabinet	Use to clean up most liquid spills and some solids
Magnetic mat	First floor Pipe Gallery Spill Cabinet	Sealing floor drains for spill containment
Non-sparking cleanup tools	First floor Pipe Gallery Spill Cabinet	Opening-closing drums, sweeping/shoveling ignitable
Sampling containers and supplies	First floor Pipe Gallery Spill Cabinet	Sampling most liquids and solids
Emergency response equipment and supplies	Emergency Supply Cage	Use for emergency response

2 **J.4.6 Incident Command Post**

3 The ICPs will be identified in a fixed location or the IC will determine a location appropriate for the  
4 event. Emergency resource materials will be stored at each location. The IC will activate the Hanford  
5 Fire Department Mobile Command Unit if necessary.

6 **J.5 Required Reports**

7 Post incident written reports are required for certain incidents on the Hanford Site. The reports are  
8 described in Permit Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-02), Section 5.1.

9 Facility management will note in the Hanford Facility Operating Record, T Plant Complex File, the time,  
10 date and details of any incident that requires implementation of the contingency plan (refer to  
11 Section J.3). Within fifteen (15) days after the incident, a written report must be submitted to Ecology.  
12 The report must include the elements specified in [WAC 173-303-360\(2\)\(k\)](#).

13 **J.6 Plan Location and Amendments**

14 Copies of Attachment 4 [*Hanford Emergency Management Plan* (DOE/RL-94-02)] will be maintained  
15 per permit condition I.M.1. C. Copies of this Building Emergency Plan, and T-Plant Complex Permit  
16 Addendum J, and Attachment 4 [*Hanford Emergency Management Plan* (DOE/RL-94-02)], will be  
17 maintained at the following locations:

- 18 • 271-T Room 213
- 19 • MO-892.

20 These documents will be available in either hard copy or electronic form.

21 This plan will be reviewed and immediately amended as necessary, in accordance with Permit  
22 Attachment 4, *Hanford Emergency Management Plan* (DOE/RL-94-02), Section 14.3.1.1.

23 **J.7 Facility/Building Emergency Response Organization**

24 **J.7.1 T Plant Complex Building Emergency Director**

Title	Work Location	Work Phone
Building Emergency Director	Various	373-1077

25 Names and home telephone numbers of the BEDs are available from the Patrol Operations Center (373-  
26 0911) in accordance with Permit Condition II.A.3.

27

1  
2  
3

**This page intentionally left blank.**

DRAFT