

1
2
3
4

ADDENDUM F
PREPAREDNESS AND PREVENTION

DRAFT

1
2
3
4

This page intentionally left blank.

DRAFT

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

ADDENDUM F
PREPAREDNESS AND PREVENTION

Contents

F PREPAREDNESS AND PREVENTION F.1

F.1 Preparedness and Prevention Requirements..... F.1

F.1.1 Equipment Requirements F.1

F.1.2 Aisle Space Requirement F.1

F.2 Preventive Procedures, Structures, and Equipment..... F.1

F.2.1 Unloading Operations F.1

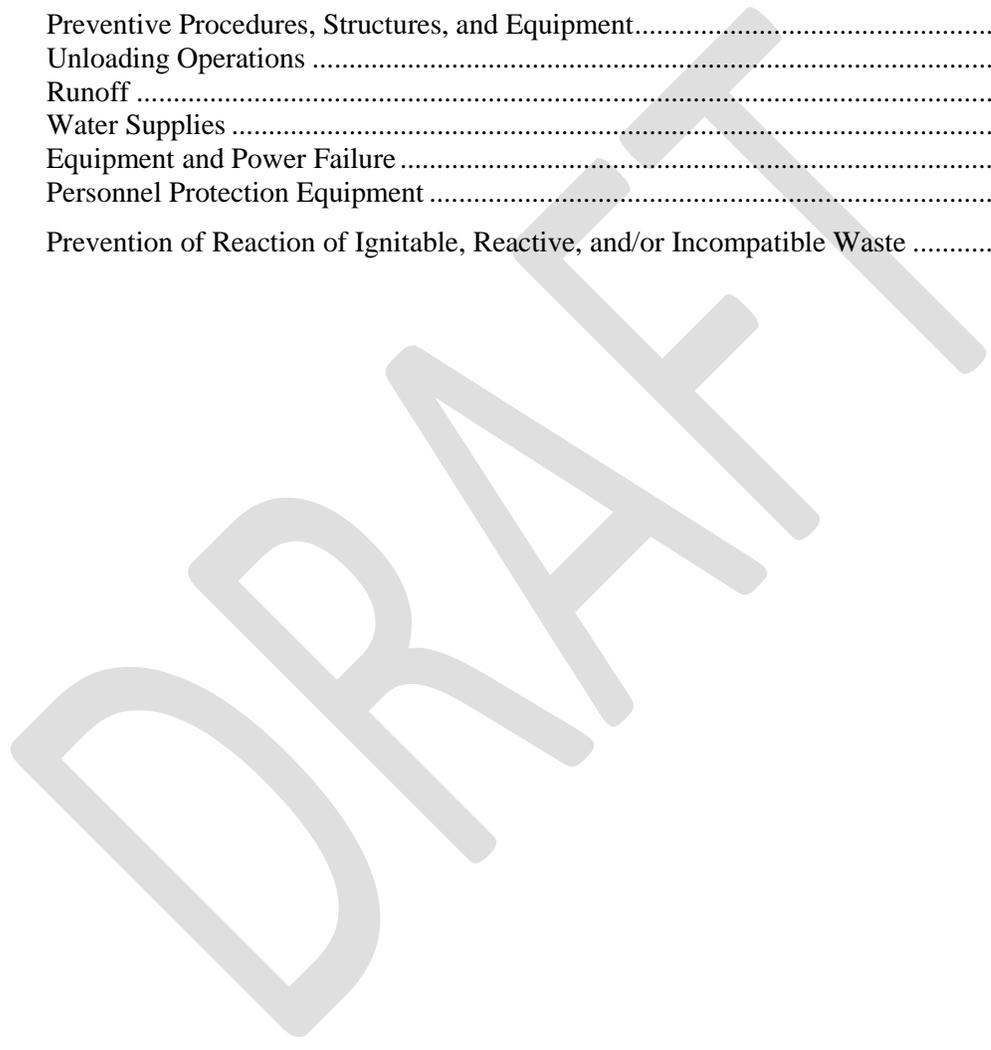
F.2.2 Runoff F.2

F.2.3 Water Supplies F.2

F.2.4 Equipment and Power Failure F.2

F.2.5 Personnel Protection Equipment F.2

F.3 Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Waste F.2



1
2 **F PREPAREDNESS AND PREVENTION**

3 **F.1 Preparedness and Prevention Requirements**

4 The following sections document the preparedness and prevention requirement of Low-Level Burial
5 Ground (LLBG) Trench 94.

6 **F.1.1 Equipment Requirements**

7 The following sections describe the internal and external communications systems and the emergency
8 equipment required that could be activated by the LLBG Trench 94 Building Emergency Director (BED).

9 **F.1.1.1 Internal Communications**

10 LLBG Trench 94 will be equipped with an internal communication system to provide immediate
11 emergency instructions to personnel. The communication system will include two-way radios or cellular
12 telephones.

13 **F.1.1.2 External Communications**

14 LLBG Trench 94 personnel at the LLBG Trench 94 have voice communication or equivalent (e.g., hand
15 signals) during work assignments for summoning emergency assistance from the Hanford Fire
16 Department, the Hazardous Materials Response Team, and/or local emergency response teams as
17 necessary. External communication will be made through the telephone communication system, a two-
18 way radio (hand-held and vehicle-mounted), two-way portable radios, and cellular telephones. In
19 addition, the following external communication systems will be available for notifying persons assigned
20 to emergency response organizations:

- 21 • Telephone number 911 from site office phones/373-0911 from cellular phones, contact point for
22 the Hanford Facility; the Hanford Patrol Operations Center notifies and/or dispatches required
23 emergency responders.
- 24 • Telephone number 373-3800, is the single point of contact for the Hanford Patrol Operations
25 Center.

26 **F.1.1.3 Emergency Equipment**

27 Emergency equipment will be available for use at LLBG Trench 94 as required by [WAC 173-303-340\(1\)](#).
28 The LLBG Trench 94 relies on the Hanford Fire Department to respond to fires and other emergencies as
29 described in Permit Attachment 4, *Hanford Emergency Management Plan*, (DOE/RL-94-02). The LLBG
30 Trench 94 operations personnel are trained in the use of emergency equipment according to Addendum G
31 (Personnel Training). A list of equipment is included in Addendum J (Contingency Plan).

32 **F.1.1.4 Water for Fire Control**

33 The Hanford Fire Department will be equipped with fire engines to provide needed water for fire control
34 for fires requiring high water volume and pressure at the LLBG Trench 94 operable unit.

35 **F.1.2 Aisle Space Requirement**

36 Aisle space requirements are not required because once the defueled reactor compartments are placed in
37 the trench they are considered disposed.

38 **F.2 Preventive Procedures, Structures, and Equipment**

39 The following sections describe preventive procedures, structures, and equipment.

40 **F.2.1 Unloading Operations**

41 Unloading operations for the defueled reactor compartments will be performed by the U.S. Navy
42 Department contractors and will be not turned over to the U.S. Department of Energy until the
43 compartment is set in position for disposal.

1 If there is an incident during transport and/or disposal of the defueled reactor compartments, they will be
2 managed as identified in Permit Conditions II.A and III.18.G.

3 **F.2.2 Runoff**

4 Addendum C (Process Information), contains the information on run-off and run-on for LLBG Trench 94.

5 **F.2.3 Water Supplies**

6 Descriptions of activities that prevent contamination of water supplies or groundwater include the
7 following:

- 8 • Placement of defueled reactor compartments in LLBG Trench 94, refer to Addendum C (Process
9 Information).
 - 10 – Waste will be containerized or stabilized to control migration of mixed waste.
 - 11 – Inspections will be performed.

12 **F.2.4 Equipment and Power Failure**

13 Electrical power loss for LLBG Trench 94 does not constitute an emergency.

14 **F.2.5 Personnel Protection Equipment**

15 Refer to the Contingency Plan requirements indentified in Permit Conditions II.A and III.18.G for
16 information regarding required personnel protection equipment at LLBG Trench 94.

17 **F.3 Prevention of Ignitable, Reactive, and/or Incompatible Waste**

18 LLBG Trench 94 will not dispose of ignitable, reactive, and /or incompatible waste.
19

1
2
3
4

This page intentionally left blank.

DRAFT