

Addendum I

Inspection Plans

SWOC Closure Units

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Addendum I1

Inspection Requirements

LLBG Trenches 31-34-94

Permit Modification Request
October 24, 2013

WA7890008967, Part V Closure Unit Group 7
LLBG Trenches 31-34-94

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Addendum I1

Inspection Requirements

I1.1 Inspection Plan

This inspection plan describes the method(s) and schedule for inspection of the Solid Waste Operations Complex (SWOC) Low Level Burial Ground (LLBG) 31-34-94 Closure Units that are undergoing closure. For dangerous waste management units (DWMUs) undergoing closure where dangerous waste is still present, Table I1-1 of this inspection plan provides for continued inspection of waste containers for units where actions to remove the containers are proceeding until such a time as the dangerous waste containers can be moved to another treatment, storage, and disposal location. The inspections specified in Table I1-1 identify leaking containers, check for corroding or degrading containers, verifies proper labeling is on the containers and/or container covers, and checks the safety equipment and/or systems. These inspections ensure that situations do not exist that might cause or lead to the release of dangerous waste constituents to the environment or that might pose a threat to human health. Abnormal conditions identified by inspections must be corrected on a schedule that prevents hazards to personnel, the public, and the environment as determined by facility operations management. In addition to the requirements in Permit Condition II, the Permittees will ensure that these container storage areas are maintained in accordance with WAC 173-303-630(7), "Dangerous Waste Regulations," "Use and Management of Containers," and the requirements in the approved closure plan, that was submitted per WAC 173-303-610, "Dangerous Waste Regulations," "Closure and Post-Closure" requirements. The Permittees will ensure that inspections, at a minimum, meet the requirements of WAC 173-303-320(2), "Dangerous Waste Regulations," "General Inspection," and WAC 173-303-630(6). No LLBG 31-34-94 closure units have dangerous waste present and will, therefore, not undergo inspections using Table I1-1.

For DWMUs undergoing closure where dangerous waste is no longer present, Table I1-2 details the inspection requirements and frequency. The purpose of these inspections is to assess the DWMU closure areas where all dangerous waste containers have been removed and final closure activities are ongoing or may be deferred to coordinate with other cleanup activities. Inspection of these closing DWMUs, where no waste is present, is performed on an annual (calendar year) basis. This inspection assesses the unit for the presence of signage and ensures that there are no unusual conditions associated with the site. The LLBG Trench 31-34-94 closure unit that will undergo inspections using Table I1-2 is FS-1.

I1.1.1 General Inspection Requirements

The content and frequency of inspections are described in this section and Tables I1-1 and I1-2. The inspections are documented on inspection checklists. The schedule and inspection records are maintained in the Hanford Facility Operating Record applicable closure unit file and retained in accordance with Permit Condition II.I.

The inspections are performed by personnel qualified to inspect the DWMU closure areas. The Table I1-1 inspection checklists include items to be assessed during each inspection when dangerous waste is being managed at the location. A yes/no or a check mark/circle response is made for each listed item. A yes or check mark response means that the item is in compliance with the conditions stated on the checklist. Any problems identified during the inspection, as indicated by a no response or a circle on the checklist, are reported to facility operations management. When all dangerous waste has been removed from a closing DWMU, a final weekly inspection will be performed. Closing DWMUs with all dangerous waste removed will be inspected in accordance with the frequency identified in Table I1-2 for the conditions stated in the checklist.

1 **I1.1.1.1 Types of Problems**

2 The conditions of the following items are included in the LLBG 31-34-94 Closure Unit Table I1-1
3 inspections:

- 4 • Storage
- 5 • Container condition
- 6 • Labels on containers and/or covers
- 7 • Safety and emergency equipment
- 8 • Proper signage

9 The SWOC Closure Unit Table I1-2 annual inspection is focused on the following:

- 10 • Unusual conditions
- 11 • Proper signage

12 Discrepancies are noted in the additional information/comment section of the checklist. When completed,
13 the inspector prints his/her name, signs, and dates the inspection checklist. The checklist is reviewed by
14 Operations Management and the information is placed in the Hanford Facility Operating Record file. The
15 completed inspection checklist is stored in accordance with Permit Condition II.I.

16 **I1.1.1.2 Frequency of Inspections**

17 In accordance with [WAC 173-303-320](#), the inspection schedule, including the frequency of inspections, is
18 identified in Table I1-1 and Table I1-2.

19 **I1.1.2 Schedule for Remedial Action for Problems Revealed**

20 Problems identified will be remediated in accordance with Permit Condition II.O.2.

21 **I1.1.3 Specific Process Inspection Requirements**

22 Tables I1-1 and I1-2 describe the specific process inspection requirements.

23 **I1.1.3.1 Container Inspection**

24 Table I1-1 identifies specific items and/or problems, to be noted during weekly inspections.

Table I1-1. WAC 173-303-320(2) Inspection Schedule for Closure Units Managing Dangerous Waste

Requirement Description	Frequency	Inspection
Container and container storage areas	Weekly	Check for container condition, aisle space, leaks, spills, and accumulated liquids.
Posted warning signs at each entrance to the facility	Weekly	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet).
Container labels (may be on protective container covers)	Weekly	Verify visibility, readability, and adequate identification of risks.
Spill response kits	Quarterly	Verify that equipment is present and functional.
Safety showers, eyewash stations, fire extinguishers	Monthly	Verify that equipment is present and functional.

Sources: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."

WAC 173-303-630, "Dangerous Waste Regulations," "Use and Management of Containers."

Permit Modification Request
October 24, 2013

WA7890008967, Part V Closure Unit Group 7
LLBG Trenches 31-34-94

1 **Table I1-2. WAC 173-303-320(2) Inspection Schedule for Units Where Dangerous Waste Has Been Removed**

Requirement Description	Frequency	Inspection
Perform DWMU surveillance	Annual	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet). Find no evidence of unusual conditions at the closing DWMU site.

Source: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."

DWMU = dangerous waste management unit

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Permit Modification Request
October 24, 2013

WA7890008967, Part V Closure Unit Group 7
LLBG Trenches 31-34-94

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Addendum I2

Inspection Requirements

T-Plant Complex

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Addendum I2**Inspection Requirements****I2.1 Inspection Plan**

This inspection plan describes the method(s) and schedule for inspection of the Solid Waste Operations Complex (SWOC) T-Plant areas that are undergoing closure. For dangerous waste management units (DWMUs) undergoing closure where dangerous waste is still present, Table I2-1 of this inspection plan provides for continued inspection of waste containers for units where actions to remove the containers are proceeding until such a time as the dangerous waste containers can be moved to another treatment, storage, and disposal location. The inspections specified in Table I2-1 identify leaking containers, check for corroding or degrading containers verifies proper labeling is on the containers and/or container covers, as applicable, and checks the safety equipment and/or systems. These inspections ensure that situations do not exist that might cause or lead to the release of dangerous waste constituents to the environment or that might pose a threat to human health. Abnormal conditions identified by inspections must be corrected on a schedule that prevents hazards to personnel, the public, and the environment as determined by facility operations management. In addition to the requirements in Permit Condition II, the Permittees will ensure that these container storage areas are maintained in accordance with WAC 173-303-630(7), "Dangerous Waste Regulations," "Use and Management of Containers," and the requirements in the approved closure plan, that was submitted per WAC 173-303-610, "Dangerous Waste Regulations," "Closure and Post-Closure" requirements. The Permittees will ensure that inspections, at a minimum, meet the requirements of WAC 173-303-320(2), "Dangerous Waste Regulations," "General Inspection," and WAC 173-303-630(6). Currently, one T-Plant closing DWMU, the 221-T Tank System, has mixed waste residue waste present and will undergo inspections using Table I2-1. The 221-T Tank System is an unclosed, non-operating tank system containing mixed waste residue and will be inspected annually. See the 221-T Tank System closure plan for further information about the tank system's current status and safe configuration. Due to ALARA considerations, the tanks are not accessible for visual inspection so the inspectors use the following: Monitoring and leak detection equipment, annunciator panels, and alarms.

No container storage units that currently store dangerous waste containers are undergoing closure at the T-Plant Complex. Additional units would be added via the permit modification process in accordance with WAC 173-303-830.

For DWMUs undergoing closure where dangerous waste is no longer present, Table I2-2 details the inspection requirements and frequency. The purpose of these inspections is to assess the DWMU closure areas where all dangerous waste containers have been removed, and final closure activities are ongoing or may be deferred to coordinate with other cleanup activities. Inspection of these closing DWMUs, where no waste is present, is performed on an annual (calendar year) basis. This inspection assesses the unit for the presence of signage and ensures that there are no unusual conditions associated with the site. One Tank System, the 2706-TB Tank System, is currently out of service, does not contain waste, and is blanked off to prevent the addition and discharge to the tanks. The 2706-TB Tank System will be inspected annually.

The T-Plant closure units that will undergo inspections using Table I2-2 are as follows:

- 211-T Pad
- 221-T-R5 waste storage area
- 221-T Pipe Gallery Storage
- 221-T Railroad Cut
- 221-T Sand Filter Pad
- 2706-TB Tank system
- 271-T Cage

- 1 • 277-T Building
- 2 • 277-T outdoor storage area

3 **I2.1.1 General Inspection Requirements**

4 The content and frequency of inspections are described in this section and Tables I2-1 and I2-2.
5 The inspections are documented on inspection checklists. The schedule and inspection records are
6 maintained in the Hanford Facility Operating Record applicable closure unit file and retained in
7 accordance with Permit Condition II.I.

8 The inspections are performed by personnel qualified to inspect the DWMU closure areas. The Table I2-1
9 inspection checklists consist of a listing of items that are to be assessed during each inspection when
10 dangerous waste is being managed at the location. A yes/no or a check mark/circle response is made for
11 each listed item. A yes or check mark response means that the item is in compliance with the conditions
12 stated on the checklist. Any problems identified during the inspection, as indicated by a no response or a
13 circle on the checklist, are reported to the facility operations management. When all dangerous waste has
14 been removed from a closing DWMU, a final weekly inspection will be performed. Closing DWMUs
15 with all dangerous waste removed will be inspected in accordance with the frequency identified in Table
16 I2-2 for the conditions stated in the checklist.

17 **I2.1.1.1 Types of Problems**

18 The conditions of the following items are included in the T Plant Closure Unit Table I2-1 inspections:

- 19 • Storage
- 20 • Container condition
- 21 • Labels on containers and/or covers
- 22 • Safety and emergency equipment
- 23 • Proper signage

24 The SWOC Closure Unit Table I2-2 annual inspection is focused on the following:

- 25 • Unusual conditions at the site
- 26 • Proper signage

27 Discrepancies are noted in the additional information/comment section of the checklist. When completed,
28 the inspector prints his/her name, signs, and dates the inspection checklist. The checklist is reviewed by
29 Operations Management and the information is placed in the Hanford Facility Operating Record file. The
30 completed inspection checklist is stored in accordance with Permit Condition II.I.

31 **I2.1.1.2 Frequency of Inspections**

32 In accordance with [WAC 173-303-320](#), the inspection schedule, including the frequency of inspections, is
33 identified in Table I2-1 and Table I2-2.

34 **I2.1.2 Schedule for Remedial Action for Problems Revealed**

35 Problems identified will be remediated in accordance with Permit Condition II.O.2.

36 **I2.1.3 Specific Process Inspection Requirements**

37 Tables I2-1 and I2-2 describe the specific process inspection requirements.

38 **I2.1.3.1 Container Inspection**

39 Table I2-1 identifies specific items and/or problems to be noted during weekly inspections.

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Table I2-1. WAC 173-303-320(2) Inspection Schedule for Units Managing Dangerous Waste

Requirement Description	Frequency	Inspection
Container Storage Area Inspection Requirements		
Container and container storage areas	Weekly	Check for container condition, aisle space, leaks, spills, and accumulated liquids.
Posted warning signs at each entrance to the facility	Weekly	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet).
Container labels (may be on protective container covers)	Weekly	Verify visibility, readability, and adequate identification of risks.
Spill response kits	Quarterly	Verify that equipment is present and functional.
Safety showers, eyewash stations, fire extinguishers	Monthly	Verify that equipment is present and functional.
Tank system Inspection Requirements		
221-T Tank System	Annually	Check tank level remote indicators, annunciator panels, and alarms. Assess sump for change in conditions.

Sources: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."
WAC 173-303-630, "Dangerous Waste Regulations," "Use and Management of Containers."

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Table I2-2. WAC 173-303-320(2) Inspection Schedule For Units Where Dangerous Waste Has Been Removed

Requirement Description	Frequency	Inspection
Perform DWMU surveillance	Annual	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet). Find no evidence of unusual conditions at the closing DWMU site.
2706-TB Tank system	Annual	Visually check for leaks, spills, and accumulated liquids.

Source: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."
DWMU = dangerous waste management unit

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Permit Modification Request
October 24, 2013

WA7890008967, Part V Closure Unit Group 7
T-Plant Complex

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Addendum I3

Inspection Requirements

CWC-WRAP

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Addendum I3

Inspection Requirements

I3.1 Inspection Plan

This inspection plan describes the method(s) and schedule for inspection of the Solid Waste Operations Complex (SWOC) Central Waste Complex (CWC)-Waste Receiving and Processing (WRAP) areas that are undergoing closure. For dangerous waste management units (DWMUs) undergoing closure where dangerous waste is still present, Table I3-1 of this inspection plan provides for continued inspection of waste containers for units where actions to remove the containers are proceeding until such a time as the dangerous waste containers can be moved to another treatment, storage, and disposal location.

The inspections specified in Table I3-1 identify leaking containers, check for corroding or degrading containers verifies proper labeling is on the containers and/or container covers, as applicable, and checks the safety equipment and/or systems. These inspections ensure that situations do not exist that might cause or lead to the release of dangerous waste constituents to the environment or that might pose a threat to human health. Abnormal conditions identified by inspections must be corrected on a schedule that prevents hazards to personnel, the public, and the environment as determined by facility operations management. In addition to the requirements in Permit Condition II, the Permittees will ensure that these container storage areas are maintained in accordance with [WAC 173-303-630\(7\)](#), "Dangerous Waste Regulations," "Use and Management of Containers," and the requirements in the approved closure plan, that was submitted per WAC 173-303-610, "Dangerous Waste Regulations," "Closure and Post-Closure" requirements. The Permittees will ensure that inspections, at a minimum, meet the requirements of [WAC 173-303-320\(2\)](#), "Dangerous Waste Regulations," "General Inspection," and [WAC 173-303-630\(6\)](#). Currently CWC-WRAP closing DWMUs with dangerous waste present that will undergo inspections using Table I3-1 are as follows:

- Outside Storage A
- Outside Storage B

For DWMUs undergoing closure where dangerous waste is no longer present, Table I3-2 details the inspection requirements and frequency. The purpose of these inspections is to assess the DWMU closure areas where all dangerous waste containers have been removed, and final closure activities are ongoing or may be deferred to coordinate with other cleanup activities. Inspection of these closing DWMUs, where no waste is present, is performed on an annual (calendar year) basis. This inspection assesses the unit for the presence of signage and ensures that there are no unusual conditions associated with the site. The CWC-WRAP closure unit that will undergo inspections using Table I3-2 is Building 2401-W.

I3.1.1 General Inspection Requirements

The content and frequency of inspections are described in this section and Tables I3-1 and I3-2. The inspections are documented on inspection checklists. The schedule and inspection records are maintained in the Hanford Facility Operating Record applicable closure unit file and retained in accordance with Permit Condition II.I.

The inspections are performed by personnel qualified to inspect the DWMU closure areas. The Table I3-1 inspection checklists include items to be assessed during each inspection when dangerous waste is being managed at the location. A yes/no or a check mark/circle response is made for each listed item. A yes or check mark response means that the item is in compliance with the conditions stated on the checklist. Any problems identified during the inspection, as indicated by a no response or a circle on the checklist, are reported to facility operations management. When all dangerous waste has been removed from a closing DWMU, a final weekly inspection will be performed. Closing DWMUs with all dangerous waste removed will be inspected in accordance with the frequency identified in Table I3-2 for the conditions stated in the checklist.

1 **13.1.1.1 Types of Problems**

2 The conditions of the following items are included in the CWC-WRAP Closure Unit Table I3-1
3 inspections:

- 4 • Storage
- 5 • Container condition
- 6 • Labels on containers and/or covers
- 7 • Safety and emergency equipment
- 8 • Proper signage

9 The SWOC Closure Unit Table I3-2 annual inspection is focused on the following:

- 10 • Unusual conditions
- 11 • Proper signage

12 Discrepancies are noted in the additional information/comment section of the checklist. When completed,
13 the inspector prints his/her name, signs, and dates the inspection checklist. The checklist is reviewed by
14 Operations Management and the information is placed in the Hanford Facility Operating Record file. The
15 completed inspection checklist is stored in accordance with Permit Condition II.I.

16 **13.1.1.2 Frequency of Inspections**

17 In accordance with [WAC 173-303-320](#), the inspection schedule, including the frequency of inspections, is
18 identified in Table I3-1 and Table I3-.2.

19 **13.1.2 Schedule for Remedial Action for Problems Revealed**

20 Problems identified will be remediated in accordance with Permit Condition II.O.2.

21 **13.1.3 Specific Process Inspection Requirements**

22 Tables I3-1 and I3-2 describe the specific process inspection requirements.

23 **13.1.3.1 Container Inspection**

24 Table I3-1 identifies specific items and/or problems to be noted during weekly inspections.

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Table I3-1. WAC 173-303-320(2) Inspection Schedule for Units Managing Waste

Requirement Description	Frequency	Inspection
Containers and container storage areas	Weekly	Check for container condition, aisle space, leaks, spills, and accumulated liquids.
Posted warning signs at each entrance to the facility	Weekly	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet).
Container labels (may be on protective container covers)	Weekly	Verify visibility, readability, and adequate identification of risks.
Spill response kits	Quarterly	Verify that equipment is present and functional.
Safety showers, eyewash stations, fire extinguishers	Monthly	Verify that equipment is present and functional.

Sources: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."

WAC 173-303-630, "Dangerous Waste Regulations," "Use and Management of Containers."

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2 **Table I3-2. WAC 173-303-320(2) Inspection Schedule for Units Where Dangerous Waste Has Been Removed**

Requirement Description	Frequency	Inspection
Perform DWMU surveillance	Annual	Verify posted warning signs at each entrance to the Operating Unit Group are present, legible, and visible at 7.6 meters (25 feet). Find no evidence of unusual conditions at the closing DWMU site.

Source: WAC 173-303-320, "Dangerous Waste Regulations," "General Inspection."

DWMU = dangerous waste management unit

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Permit Modification Request
October 24, 2013

WA7890008967, Part V Closure Unit Group 7
CWC-WRAP

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