

**221-T RAILROAD CUT
PART V, CLOSURE UNIT GROUP 41 UNIT-SPECIFIC PERMIT CONDITIONS
CHANGE CONTROL LOG**

Change Control Logs ensure that changes to this unit are performed in a methodical, controlled, coordinated, and transparent manner. Each unit addendum will have its own change control log with a modification history table. The “**Modification Number**” represents Ecology’s method for tracking the different versions of the permit. This log will serve as an up to date record of modifications and version history of the unit.

Modification History Table

Modification Date	Modification Number

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**PART V, CLOSURE UNIT GROUP 41 PERMIT CONDITIONS
221-T RAILROAD CUT**

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2 **PART V, CLOSURE UNIT 41 CONDITIONS**
3 **221-T RAILROAD CUT**
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6 **UNIT DESCRIPTION**

7 The 221-T Railroad Cut Dangerous Waste Management Unit (DWMU) is located on the north end of the
8 T Plant Canyon Building outside of the 221-T Railroad Tunnel. The 221-T Railroad Cut is an uncovered
9 gravel area with railroad tracks and is approximately 309 ft long by 50 ft wide at the fence and 33 ft wide
10 at the 221-T Railroad Tunnel end for a total approximate area of 14,603 ft². The 221-T Railroad Cut was
11 used to store mixed waste in a central accumulation area or satellite accumulation area while being
12 transferred into or out of the 221-T Railroad Tunnel. All waste inventory has been removed from the
13 221-T Railroad Cut. Future storage of dangerous or mixed waste is not authorized within the 221-T
14 Railroad Cut DWMU.

15 This Closure Plan addresses closure requirements, and includes inspection and training requirements as
16 related to closure activities.

17 **LIST OF ADDENDA SPECIFIC TO CLOSURE UNIT 41:**

18 Addenda H “Closure Plan”

19 **DEFINITIONS**

20 Reserved

21 **ACRONYMS**

22 Reserved

23 **V.41.A COMPLIANCE WITH UNIT-SPECIFIC PERMIT CONDITIONS**

24 The Permittees shall comply with all requirements set forth in the Hanford Facility
25 Resource Conservation and Recovery Act Permit (Permit) as specified in Permit
26 Attachment 9, *Permit Applicability Matrix*, including all approved modifications.
27 All addenda, subsections, figures, tables, and appendices included in the following
28 Unit-Specific Permit Conditions are enforceable in their entirety.

29 In the event that the Part V, Unit Conditions for Closure Unit 41, 221-T Railroad Cut
30 conflict with the Part I-Standard Conditions and/or Part II-General Facility Conditions of
31 the Permit, the unit conditions will prevail for Closure Unit 41, 221-T Railroad Cut.

32 **V.41.B CLOSURE**

33 **V.41.B.1** The Permittees will comply with all requirements set forth in the Addendum H,
34 “Closure Plan” for the 221-T Railroad Cut, and close the 221-T Railroad Cut in
35 accordance with the Addendum H, “Closure Plan.” [Washington Administrative Code
36 (WAC) 173-303-610(3)(a)]

37 **V.41.B.2** The Permittees will notify Department of Ecology (Ecology) within 24 hours of any
38 deviations from the approved Addendum H, “Closure Plan.” Ecology and the Permittees
39 will review the deviation to determine if it will affect the ability to meet final acceptance
40 of closure.

41 **V.41.B.3** Review of Sampling Data to Determine Clean Closure.

1 **V.41.B.3.a** For Statistical Grid Sampling: Upon receipt of the final laboratory analytical report, the
2 Permittees will use the data analysis function in the Visual Sample Plan to generate the
3 Data Analysis Report for the results of the statistical grid sampling. The Data Analysis
4 Report will demonstrate whether the sampling assumptions in the Addendum H,
5 “Closure Plan,” Visual Sampling Plan Supporting Documentation were met. The
6 Permittees will provide the Data Analysis Report to Ecology within 30 days from receipt
7 of the final laboratory analytical report. If sampling assumptions/closure performance
8 standards were not met, the Permittees will submit a permit modification request in
9 accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the
10 additional work that would need to be done to achieve clean closure. The permit
11 modification request must be submitted within 60 days of completion of the submittal of
12 the Visual Sample Plan Data Analysis Report to Ecology.

13 **V.41.B.3.b** For Non-Statistical Grid Sampling and/or Focused Sampling: The Permittees will
14 conduct a review of the non-statistical grid and/or focused sampling data for purposes of
15 verifying the closure performance standards specified in the sampling plan in
16 Addendum H, “Closure Plan,” have not been exceeded. If the closure performance
17 standards have been exceeded, the Permittees will submit a permit modification request
18 in accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the
19 additional work and/or sampling that would need to be done to achieve clean closure.
20 The permit modification request must be submitted within 60 days of completion of the
21 review of sampling data results

22 **V.41.B.4** Within sixty days of completion of closure for the 221-T Railroad Cut, the Permittees
23 must submit to Ecology by registered mail or other means that establish proof of receipt
24 (including applicable electronic means), a certification that the 221-T Railroad Cut has
25 been closed in accordance with the specifications of the Addendum H, “Closure Plan”
26 [WAC 173-303-610 (6)]. The certification must be signed by the Permittees and by an
27 Independent Qualified Registered Professional Engineer (IQRPE). Documentation
28 (reports, etc.) supporting the IQRPE's certification will be submitted to Ecology at the
29 same time as the written certification described above.