

**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
12/06/2021	8C.2021.1F

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UNIT-SPECIFIC PERMIT CONDITIONS**

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2 **PART V, CLOSURE UNIT 41, UNIT-SPECIFIC PERMIT 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
14 221-T 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 Addendum 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. The Permittees will notify the Department of Ecology (Ecology) within~~
41 ~~four (4) business days of the discovery of an unexpected event occurring during closure~~
42 ~~that results in any deviation from the approved Addendum H, "Closure Plan" in addition~~
43 ~~to documenting such deviations in the operating record in accordance with~~
44 ~~Permit Condition II.K.6. Within four (4) business days after receiving such notifications,~~

1 Ecology will notify the Permittees in writing of Ecology’s preliminary determination as
2 to whether the deviation is likely to affect the ability to meet final acceptance of closure.
3 The Permittees may proceed with implementing the closure plan pending Ecology’s
4 preliminary determination.

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

6 **V.41.B.3.a** For Statistical Grid Sampling: Upon receipt of the final laboratory analytical report, the
7 Permittees will use the data analysis function in the Visual Sample Plan to generate the
8 Data Analysis Report for the results of the statistical grid sampling. The Data Analysis
9 Report will demonstrate whether the sampling assumptions in the Addendum H,
10 “Closure Plan,” Visual Sampling Plan Supporting Documentation and the closure
11 performance standards specified in Table H-4 of the Addendum H, “Closure Plan,” have
12 been met. The Permittees will provide the Data Analysis Report to Ecology within
13 thirty (30) days from receipt of the final laboratory analytical report. If, after remediation
14 and confirmatory sampling, sampling assumptions and/or closure performance standards
15 have not been met, the Permittees will submit a permit modification request in
16 accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the
17 additional work that would need to be done to achieve clean closure. The permit
18 modification request must be submitted within sixty (60) days of the submittal of the
19 Visual Sample Plan Data Analysis Report to Ecology.

20 **V.41.B.4** Within sixty (60) days of completion of closure for the 221-T Railroad Cut, the
21 Permittees must submit to Ecology by registered mail or other means that establish proof
22 of receipt (including applicable electronic means), a certification that the 221-T Railroad
23 Cut has been closed in accordance with the specifications of the Addendum H,
24 “Closure Plan” [WAC 173-303-610(6)]. The certification must be signed by the
25 Permittees and by an Independent Qualified Registered Professional Engineer (IQRPE).
26 Documentation (reports, etc.) supporting the IQRPE’s certification will be submitted to
27 Ecology at the same time as the written certification described above.