

**277-T OUTDOOR STORAGE AREA  
PART V, CLOSURE UNIT GROUP 28  
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

<b>Modification Date</b>	<b>Modification Number</b>
12/06/2021	8C.2021.1F

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**277-T OUTDOOR STORAGE AREA  
PART V, CLOSURE UNIT 28  
UNIT-SPECIFIC PERMIT CONDITIONS**

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2 **PART V, CLOSURE UNIT 28, UNIT-SPECIFIC PERMIT CONDITIONS**  
3 **277-T OUTDOOR STORAGE AREA**  
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6 **UNIT DESCRIPTION**

7 The 277-T Outdoor Storage Area (OSA) Dangerous Waste Management Unit (DWMU) is located west of  
8 the 221-T Canyon Building and north of the 221-T Railroad Tunnel. The 277-T OSA consists of two  
9 uncoated concrete pads and an asphalt area surrounding the 277-T Building is approximately 95 ft on the  
10 south side by 86 ft on the west side by 135 ft on the north side by 76 ft on the east side. The 277-T OSA  
11 was used to store mixed waste in a central accumulation area or satellite accumulation area to support  
12 T Plant activities. All waste inventory has been removed from the 277-T OSA. Future storage of  
13 dangerous or mixed waste is not authorized within the 277-T OSA DWMU.

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

16 **LIST OF ADDENDA SPECIFIC TO CLOSURE UNIT 28**

17 Addendum H Closure Plan

18 **DEFINITIONS**

19 Reserved

20 **ACRONYMS**

21 Reserved

22 **V.28.A COMPLIANCE WITH UNIT-SPECIFIC PERMIT CONDITIONS**

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

28 In the event that the Part V, Unit Conditions for Closure Unit 28, 277-T OSA conflict  
29 with the Part I-Standard Conditions and/or Part II-General Facility Conditions of the  
30 Permit, the unit conditions will prevail for Closure Unit 28, 277-T OSA.

31 **V.28.B CLOSURE**

32 **V.28.B.1** The Permittees will comply with all requirements set forth in the Addendum H,  
33 “Closure Plan,” for the 277-T OSA, and close the 277-T OSA in accordance with the  
34 Addendum H, “Closure Plan.” [Washington Administrative Code (WAC) 173-303-  
35 610(3)(a)].

36 **V.28.B.2** ~~The Permittees will notify Department of Ecology (Ecology) within 24 hours of any~~  
37 ~~deviations from the approved Addendum H, “Closure Plan.” Ecology and the Permittees~~  
38 ~~will review the deviation to determine if it will affect the ability to meet final acceptance~~  
39 ~~of closure. The Permittees will notify the Department of Ecology (Ecology) within~~  
40 ~~four (4) business days of the discovery of an unexpected event occurring during closure~~  
41 ~~that results in any deviation from the approved Addendum H, “Closure Plan” in addition~~  
42 ~~to documenting such deviations in the operating record in accordance with~~  
43 ~~Permit Condition II.K.6. Within four (4) business days after receiving such notifications,~~  
44 ~~Ecology will notify the Permittees in writing of Ecology’s preliminary determination as~~

1 to whether the deviation is likely to affect the ability to meet final acceptance of closure.  
2 The Permittees may proceed with implementing the closure plan pending Ecology's  
3 preliminary determination.

4 **V.28.B.3** Review of Sampling Data to Determine Clean Closure

5 **V.28.B.3.a** For Statistical Grid Sampling: Upon receipt of the final laboratory analytical report, the  
6 Permittees will use the data analysis function in the Visual Sample Plan to generate the  
7 Data Analysis Report for the results of the statistical grid sampling. The Data Analysis  
8 Report will demonstrate whether the sampling assumptions in the Addendum H,  
9 "Closure Plan," Visual Sampling Plan Supporting Documentation and the closure  
10 performance standards specified in Table H-4 of the Addendum H, "Closure Plan," have  
11 been met. The Permittees will provide the Data Analysis Report to Ecology within  
12 thirty (30) days from receipt of the final laboratory analytical report. If, after remediation  
13 and confirmatory sampling, sampling assumptions and/or closure performance standards  
14 have not been met, the Permittees will submit a permit modification request in  
15 accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the  
16 additional work that would need to be done to achieve clean closure. The permit  
17 modification request must be submitted within sixty (60) days of the submittal of the  
18 Visual Sample Plan Data Analysis Report to Ecology.

19 **V.28.B.3.b** For Non-Statistical Grid Sampling and/or Focused Sampling: The Permittees will  
20 conduct a review of the non-statistical grid and/or focused sampling data for purposes of  
21 verifying the closure performance standards specified in Table H-4 of the Addendum H,  
22 "Closure Plan," have been met. If, after remediation and confirmatory sampling, the  
23 closure performance standards have not been met, the Permittees will submit a permit  
24 modification request in accordance with Permit Condition I.C.3 to amend the Closure  
25 Plan to reflect the additional work and/or sampling that would need to be done to achieve  
26 clean closure. The permit modification request must be submitted within sixty (60) days  
27 of completion of the review of sampling data results.

28 **V.28.B.4** Within sixty (60) days of completion of closure for the 277-T OSA, the Permittees must  
29 submit to Ecology by registered mail or other means that establish proof of receipt  
30 (including applicable electronic means), a certification that the 277-T OSA has been  
31 closed in accordance with the specifications of the Addendum H, "Closure Plan"  
32 [WAC 173-303-610(6)]. The certification must be signed by the Permittees and by an  
33 Independent Qualified Registered Professional Engineer (IQRPE). Documentation  
34 (reports, etc.) supporting the IQRPE's certification will be submitted to Ecology at the  
35 same time as the written certification described above.