

**277-T BUILDING**  
**PART V, CLOSURE UNIT GROUP 27**  
**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>
08/17/2023	8C.2023.3F
12/06/2021	8C.2021.1F

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PART V, CLOSURE UNIT GROUP 27  
UNIT-SPECIFIC PERMIT CONDITIONS**

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2 **PART V, CLOSURE UNIT 27, UNIT-SPECIFIC PERMIT CONDITIONS**  
3 **277-T BUILDING**  
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6 **UNIT DESCRIPTION**

7 The 277-T Building Dangerous Waste Management Unit (DWMU) is located in the northern portion of  
8 the T Plant Complex in the 200 West Area of the Hanford Site, west of the 221-T Canyon Building and  
9 adjacent to the 277-T Outdoor Storage Area. The 277-T Building a single story, pre-engineered, steel  
10 structure constructed of I-beams covered with corrugated steel on an uncoated, concrete slab-on-grade  
11 foundation. The building is approximately 33 ft wide by 39 ft long by 23 ft high. The 277-T Building  
12 contains one sump on the north side of the building approximately 10 ft long by 2 ft wide that provided  
13 for the collection and drainage of water from condensate blowdown lines. The 277-T Building also stored  
14 one container of mixed waste with a total volume of 27 m<sup>3</sup>. The waste container was over-packed and  
15 stored from December 2002 until September 2003. Future storage of dangerous or mixed waste is not  
16 authorized within the 277-T Building DWMU. The 277-T Building is currently used for equipment and  
17 material storage to support T-Plant operations.

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

20 **LIST OF ADDENDA SPECIFIC TO CLOSURE UNIT 27**

21 Addendum H Closure Plan

22 **DEFINITIONS**

23 RESERVED

24 **ACRONYMS**

25 RESERVED

26 **V.27.A COMPLIANCE WITH PERMIT CONDITIONS**

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

32 In the event that the Part V, Unit-Specific Conditions for Closure Unit 27, 277-T Building  
33 conflict with the Part I-Standard Conditions and/or Part II-General Facility Conditions of  
34 the Permit, the unit conditions will prevail for Closure Unit 27, 277-T Building.

35 **V.27.B CLOSURE**

36 **V.27.B.1** The Permittees will comply with all requirements set forth in the Addendum H,  
37 "Closure Plan," for the 277-T Building, and close the 277-T Building in accordance with  
38 the Addendum H, "Closure Plan." [Washington Administrative Code (WAC) 173-303-  
39 610(3)(a)].

40 **V.27.B.2** The Permittees will notify the Department of Ecology (Ecology) within four (4) business  
41 days of the discovery of an unexpected event occurring during closure that results in any  
42 deviation from the approved Addendum H, "Closure Plan" in addition to documenting  
43 such deviations in the operating record in accordance with Permit Condition II.K.6.  
44 Within four (4) business days after receiving such notifications, Ecology will notify the

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

5 **V.27.B.3** The Permitees will notify Ecology at least five (5) working days prior to conducting the  
6 visual inspection required by Section H.3.4.1 of the Addendum H, “Closure Plan,” that  
7 will take place following removal of stored equipment in order for Ecology to conduct a  
8 final inspection.

9 **V.27.B.4** Review of Sampling Data to Determine Clean Closure.

10 **V.27.B.4.a** For Non-Statistical Grid Sampling and/or Focused Sampling: The Permitees will  
11 conduct a review of the non-statistical grid and/or focused sampling data for purposes of  
12 verifying the closure performance standards specified in Table H-5 of the Addendum H,  
13 “Closure Plan,” have been met. If, after remediation and confirmatory sampling, the  
14 closure performance standards have not been met, the Permitees will submit a permit  
15 modification request in accordance with Permit Condition I.C.3 to amend the Closure  
16 Plan to reflect the additional work and/or sampling that would need to be done to achieve  
17 clean closure. The permit modification request must be submitted within sixty (60) days  
18 of completion of the review of sampling data results.

19 **V.27.B.5** Within sixty (60) days of completion of closure for the 277-T Building, the Permitees  
20 must submit to Ecology by registered mail or other means that establish proof of receipt  
21 (including applicable electronic means), a certification that the 277-T Building has been  
22 closed in accordance with the specifications of the Addendum H, “Closure Plan”  
23 [WAC 173-303-610(6)]. The certification must be signed by the Permitees and by an  
24 Independent Qualified Registered Professional Engineer (IQRPE). Documentation  
25 (reports, etc.) supporting the IQRPE’s certification will be submitted to Ecology at the  
26 same time as the written certification described above.