

**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

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 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 m³. 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 Permit
29 Attachment 9, *Permit Applicability Matrix*, including all approved modifications. All
30 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 Department of Ecology (Ecology) within 24 hours of any~~
41 ~~deviations from the approved Addendum H, "Closure Plan." Ecology and the Permittees~~
42 ~~will review the deviation to determine if it will affect the ability to meet final acceptance~~
43 ~~of closure. The Permittees will notify the Department of Ecology (Ecology) within~~
44 ~~four (4) business days of the discovery of an unexpected event occurring during closure~~

1 that results in any deviation from the approved Addendum H, "Closure Plan" in addition
2 to documenting such deviations in the operating record in accordance with
3 Permit Condition II.K.6. Within four (4) business days after receiving such notifications,
4 Ecology will notify the Permittees in writing of Ecology's preliminary determination as
5 to whether the deviation is likely to affect the ability to meet final acceptance of closure.
6 The Permittees may proceed with implementing the closure plan pending Ecology's
7 preliminary determination.

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

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

13 **V.27.B.4.a** 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 Table H-5 of the Addendum H,
16 "Closure Plan," have been met. If, after remediation and confirmatory sampling, the
17 closure performance standards have not been met, the Permittees will submit a permit
18 modification request in accordance with Permit Condition I.C.3 to amend the Closure
19 Plan to reflect the additional work and/or sampling that would need to be done to achieve
20 clean closure. The permit modification request must be submitted within sixty (60) days
21 of completion of the review of sampling data results.

22 **V.27.B.5** Within sixty (60) days of completion of closure for the 277-T Building, 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 277-T Building has been
25 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.