

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

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**PART V, CLOSURE UNIT GROUP 27 PERMIT CONDITIONS
277-T BUILDING**

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2 **PART V, CLOSURE UNIT 27 CONDITIONS**
3 **277-T BUILDING DANGEROUS WASTE MANAGEMENT UNIT**
4

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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 feet wide by 39 feet long by 23 feet high. The 277-T
12 Building contains one sump on the north side of the building approximately 10 feet long by 2 feet wide
13 that provided for the collection and drainage of water from condensate blowdown lines. The 277-T
14 Building also stored one container of mixed waste with a total volume of 27 m³. The waste container was
15 over-packed and stored from December 2002 until September 2003. Future storage of dangerous or
16 mixed waste is not authorized within the 277-T Building DWMU. The 277-T Building is currently used
17 for equipment and 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 Addenda 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.
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-Conditions for Closure Unit 27, 277-T Building conflict
33 with the Part I-Standard Conditions and/or Part II-General Facility Conditions of the
34 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.

- 1 **V.27.B.3** The Permittees will notify Ecology in advance of conducting the visual inspection in the
2 Addendum H, "Closure Plan," that will take place following removal of stored
3 equipment, in order for Ecology to witness the inspection.
- 4 **V.27.B.4** Review of Sampling Data to Determine Clean Closure.
- 5 **V.27.B.4.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 were met. The
10 Permittees will provide the Data Analysis Report to Ecology within 30 days from receipt
11 of the final laboratory analytical report. If sampling assumptions/closure performance
12 standards were not met, the Permittees will submit a permit modification request in
13 accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the
14 additional work that would need to be done to achieve clean closure. The permit
15 modification request must be submitted within 60 days of completion of the submittal of
16 the Visual Sample Plan Data Analysis Report to Ecology.
- 17 **V.27.B.4.b** For Non-Statistical Grid Sampling and/or Focused Sampling: The Permittees will
18 conduct a review of the non-statistical grid and/or focused sampling data for purposes of
19 verifying the closure performance standards specified in the sampling plan in
20 Addendum H, "Closure Plan," have not been exceeded. If the closure performance
21 standards have been exceeded, the Permittees will submit a permit modification request
22 in accordance with Permit Condition I.C.3 to amend the Closure Plan to reflect the
23 additional work and/or sampling that would need to be done to achieve clean closure.
24 The permit modification request must be submitted within 60 days of completion of the
25 review of sampling data results
- 26 **V.27.B.5** Within sixty days of completion of closure for the 277-T Building, the Permittees must
27 submit to Ecology by registered mail or other means that establish proof of receipt
28 (including applicable electronic means), a certification that the 277-T building has been
29 closed in accordance with the specifications of the Addendum H, "Closure Plan"
30 [WAC 173-303-610(6)]. The certification must be signed by the Permittees and by an
31 Independent Qualified Registered Professional Engineer (IQRPE). Documentation
32 (reports, etc.) supporting the IQRPE's certification will be submitted to Ecology at the
33 same time as the written certification described above.