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**FACT SHEET**  
**PART V, CLOSURE UNIT GROUP 2, 1301-N LIQUID WASTE DISPOSAL FACILITY**

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1 **FACT SHEET**

2 **PART V, CLOSURE UNIT GROUP 2, 1301-N LIQUID WASTE DISPOSAL FACILITY**

3 **UNIT DESCRIPTION**

4 The 1301-N Liquid Waste Disposal Facility (1301-N) is an inactive treatment, storage, and disposal unit,  
5 located northeast of the 100-N Reactor. It consists of a large trench and pipelines from other N Area  
6 facilities to the trench.

7 The 1301-N LWDF received waste from 1963 to 1985. Contaminants discharged to this unit have  
8 contaminated the groundwater.

9 Closure activities at the trench portion of the unit have been completed. The pipelines are now  
10 undergoing closure. The closure of 1301-N will be coordinated with final Comprehensive Environmental  
11 Response, Compensation, and Liability Act (CERCLA) remedial actions in the 100-N Area.

12 **TYPE AND QUANTITY OF WASTE**

13 1301-N received mixed waste process and cooling waste water from N Reactor. It also received  
14 dangerous waste from laboratories, and may have received waste from spills within the reactor building.  
15 The nature and quantity of mixed waste managed by the 1301-N LWDF is known and identified on the  
16 Part A Form. The form states the unit received about 4.3 million gallons a day at a maximum.

17 **BASIS FOR PERMIT CONDITIONS**

18 The unit's closure is being conducted as part of the CERCLA remediation of the soils in 100-N Area. Tri-  
19 Party Agreement Milestone M-15-62-T01 requires the Permittees to submit an integrated  
20 RCRA/CERCLA groundwater monitoring plan for 100-NR-2 Operable Unit for groundwater by  
21 September 17, 2012.

22 **CLOSURE AND POST-CLOSURE**

23 **Closure Activities**

24 The Permittees will submit the following documents to comply with the closure requirements in [WAC](#)  
25 [173-303-610](#)(3):

- 26 • A detailed plan for a final cover that complies with the requirements of [WAC 173-303-](#)  
27 [650](#)(6)(a)(ii) within 30 days of the issuance of this permit.
- 28 • An integrated groundwater monitoring plan as required by Condition V.2.E.3.

29 The Permittees will install the final cover as a part of the final remedial action work plan for the 100-N  
30 Area.

31 **Post-closure**

32 The Permittees will submit a revised post-closure plan to include maintenance and repair of the final  
33 cover as necessary.

34 Once the unit closure is certified, the Permittees will comply with the post-closure plan in Addendum K.

35 **Groundwater**

36 The Permittees will continue interim status groundwater monitoring until a final status integrated  
37 groundwater monitoring plan, as required by Condition V.2.E.3, is incorporated into the Permit. The  
38 interim status groundwater monitoring plan is in Addendum D.

39 In addition to the groundwater monitoring requirements in Condition V.2.E.1, the Permittees must sample  
40 wells listed in Condition V.2.E.2 at a minimum at the indicated rate and for ICP metals (unfiltered) and

1 anions. The Permittees shall evaluate the effectiveness of the 100-NR-2 remedy for groundwater. That  
2 evaluation will be summarized in the annual Hanford Site Groundwater Monitoring Report.

3 The reporting requirement of [WAC 173-303-645](#)(11)(g) will be met by a single report that is included in  
4 the annual Hanford Site groundwater monitoring report, rather than two semiannual reports.

#### 5 **GENERAL WASTE MANAGEMENT REQUIREMENTS**

6 The Permittees must conduct all waste analysis required by Condition V.2.d.1 according to the approved  
7 sampling and analysis plan.

#### 8 **RECORDKEEPING AND REPORTING**

9 Condition V.2.F requires the Permittees to place documentation of all work conducted (including results  
10 of monitoring, testing, and analytical work and quality assurance and control data) in the Hanford Facility  
11 Operating Record.

#### 12 **SECURITY**

13 1301-N is within the secured area of Hanford. Access to the unit is subject to the general security  
14 provision of Condition II.L. Security provisions, access controls, and signage specific to this unit will  
15 comply with the requirements of [WAC 173-303-310](#).

#### 16 **CONTINGENCY PLAN**

17 Because 1301-N no longer accepts waste and is not in operation, there is no need for a unit-specific  
18 contingency plan. However, to ensure the safety of Hanford workers and to protect public health and the  
19 environment during closure, the Permittees must follow contingency planning and emergency  
20 management requirements for Hanford.

21 Condition II.A describes the requirements for facility contingency planning and refers to the requirements  
22 of Permit Attachment 4, *Hanford Emergency Management Plan*.

#### 23 **INSPECTIONS**

24 Addendum I contains the inspection schedule. If any potential threats to human health or the environment  
25 arise, the Permittees will increase inspections to quarterly until the threats are removed.

#### 26 **TRAINING PLAN**

27 The Permittees will follow Condition II.C requirements for personnel training. Requirements include a  
28 training program, a written training plan, and training records. WAC 173-303-330 is the basis for these  
29 conditions.

#### 30 **REQUESTED VARIANCES OR ALTERNATIVES**

31 [WAC 173-303-645](#)(11)(g) requires the Permittees to submit reports on the effectiveness of a corrective  
32 action program twice a year. Ecology believes a yearly summary of the program's effectiveness in the  
33 annual Hanford Site Groundwater Monitoring Report is sufficient.

#### 34 **STATE ENVIRONMENTAL POLICY ACT (SEPA)**

35 The SEPA determination for this unit is in the Hanford-Wide Permit Fact Sheet.

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