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FACT SHEET

PART VI, POST-CLOSURE UNIT GROUP 3, 1325-N LIQUID WASTE DISPOSAL FACILITY

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1 **FACT SHEET**

2 **PART VI, POST-CLOSURE UNIT GROUP 3, 1325-N LIQUID WASTE DISPOSAL FACILITY**

3 **UNIT DESCRIPTION**

4 The 1325-N Liquid Waste Disposal Facility (1325-N), also known by WIDS number 116-N-3, is an
5 inactive Treatment, Storage, and Disposal (TSD) unit. It is located northeast of the 100-N Reactor.

6 1325-N was a liquid waste disposal facility for radioactively mixed waste and cooling waste water from
7 the N Reactor. It also received dangerous waste from laboratories.

8 The 1325-N received waste from 1985 to 1991, and has since undergone closure activities.

9 **TYPE AND QUANTITY OF WASTE**

10 The 1325-N LWDF was a percolation unit designed for the disposal of liquid waste through the soil
11 column. The process design capacity for the 1325-N LWDF was 16,353,000 liters (4,320,000 gallons)
12 per day. The process design capacity reflects the maximum amount discharged daily, rather than the
13 physical capacity of the LWDF.

14 The nature and quantity of mixed waste managed by the 1325-N LWDF is in the Dangerous Waste Permit
15 Application Part A Form.

16 **BASIS FOR PERMIT CONDITIONS**

17 The 1325-N LWDF was closed under Revision 8C of the Hanford Facility Dangerous Waste Permit. (See
18 Closure Unit 1, Chapter 4, Closure Plan.) Ecology received the certification of closure from the
19 Permittees and an independent qualified registered professional engineer on April 19, 2005 (Letter 05-
20 AMRC-0214).

21 This unit was not clean closed. Section A4.6 of the Closure Plan (DOE/RL-96-39) states that if
22 dangerous waste contaminants above MTCA Method C levels are left in the soil column, a landfill cover
23 would need to be designed and constructed over the unit. In April 2005, DOE submitted to Ecology a
24 certification of closure stating that the closure activities in the closure plan were completed.

25 This permit sets forth the post-closure and ground water monitoring requirements for this unit. It requires
26 post-closure care and a groundwater monitoring plan to be protective of human health and the
27 environment.

28 **CLOSURE**

29 The Permittees will submit the following documents to comply with the closure requirements in [WAC](#)
30 [173-303-610\(3\)](#):

- 31 • A detailed plan for a final cover that complies with the requirements of [WAC 173-303-](#)
32 [650\(6\)\(a\)\(ii\)](#) within 6 months after the 100-NR-1 Operable Unit Record of Decision is issued.
- 33 • An final status integrated groundwater monitoring plan as required by Condition VI.3.D.4 will be
34 submitted 6 months after the Record of Decision for the 100-NR-1 Operable Unit is issued

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

37 **POST-CLOSURE CARE AND MAINTENANCE**

38 Condition VI.3.B.1 requires the Permittees to submit a revised, updated post-closure plan to include
39 maintenance and repair of the final cover as necessary six months after the 100-NR-1 Operable Unit
40 Record of Decision is issued. Condition VI.3.B.2 requires the Permittees to comply with the post-closure
41 plan in Addendum K.

1 **GENERAL WASTE MANAGEMENT REQUIREMENTS**

2 Condition VI.3.C.1 requires the Permittees to conduct all waste analysis required by this permit according
3 to the approved sampling and analysis plan. Condition VI.3.C.2 requires the Permittees to submit a
4 revised sampling and analysis plan 60 days after the effective date of this permit.

5 **GROUNDWATER MONITORING REQUIREMENTS**

6 Condition VI.3.D.1 requires the Permittees to follow the interim status groundwater monitoring plan until
7 a final status integrated groundwater monitoring plan is incorporated into the Permit. Addendum D
8 contains the interim status groundwater monitoring plan for 1325-N.

9 Condition VI.3.D.2 lists monitoring wells and how often they must be sampled. A list of wells listed in
10 Condition VI.3.D.2 shall at a minimum be sampled at the indicated rate for ICP metals (unfiltered) and
11 anions.

12 Condition VI.D.3 requires the Permittees to evaluate the effectiveness of the 100-NR-2 remedy for
13 groundwater. The Permittees shall summarize that evaluation in the Annual Hanford Site Groundwater
14 Monitoring Report. The reporting requirement of [WAC 173-303-645\(11\)\(g\)](#) will be met by a single
15 report that is included in the annual Hanford Site groundwater monitoring report, rather than two
16 semiannual reports.

17 Condition VI.D.4 requires the Permittees to submit a final status integrated groundwater monitoring plan
18 6 months after the Record of Decision for the 100-NR-1 Operable Unit is issued.

19 **RECORDKEEPING AND REPORTING**

20 Condition VI.3.E requires the Permittees to place documentation of all work conducted (such as results
21 of monitoring, testing, or analytical work and quality assurance and control data in the Hanford Facility
22 Operating Record.

23 **SECURITY**

24 1325-N is within the secured area of Hanford. Access to the unit is subject to the general security
25 provision of Condition II.L. Security provisions, access controls, and signage specific to this unit will
26 comply with the requirements of [WAC 173-303-310](#).

27 **INSPECTIONS**

28 Addendum I contains the inspection schedule. Since this unit is inactive, the permit requires an
29 inspection once a year. If any potential threats to human health or the environment arise, the Permittees
30 will increase inspections to quarterly until the threats are removed.

31 **TRAINING**

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

35 **REQUESTED VARIANCES OR ALTERNATIVES**

36 There are no requested variances or alternatives for 1325-N.

37 **STATE ENVIRONMENTAL POLICY ACT (SEPA)**

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

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