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

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

3 **UNIT DESCRIPTION**

4 The 1301-N Liquid Waste Disposal Facility (LWDF), also known by WIDS number 116-N-1, is an
5 inactive Treatment, Storage, and Disposal (TSD) unit that is currently undergoing closure activities. The
6 1301-N LWDF received waste from 1963 to 1985. The 1301-N LWDF was operated as a liquid waste
7 disposal facility for radioactively mixed waste process and cooling waste water from N Reactor. The
8 1301-N LWDF also received dangerous waste from laboratories and may have received waste from spills
9 within the N Reactor Building. The nature and quantity of mixed waste managed by the 1301-N LWDF
10 is known and identified on the Part A Form.

11 The closure of 1301-N will be coordinated with final CERCLA remedial actions in the 100-N Area.

12 This permit sets forth the closure and ground water monitoring requirements for this unit.

13 **LIST OF ADDENDA**

14	Addendum A	Part A Form
15	Addendum B	Sampling and Analysis Plan – Reserved
16	Addendum C	Process Information – Reserved
17	Addendum D	Groundwater Monitoring Plan
18	Addendum E	Security Requirements - Reserved
19	Addendum F	Preparedness and Prevention Plan – Reserved
20	Addendum G	Personnel Training
21	Addendum H	Closure Plan and Post-Closure Plan
22	Addendum I	Inspection Schedule
23	Addendum J	Contingency Plan – Reserved
24	Addendum K	Recordkeeping and Reporting – Reserved

25 **DEFINITIONS**

26 Reserved

27 **ACRONYMS**

28 Reserved

29 **V.2.A COMPLIANCE WITH PERMIT CONDITIONS**

30 The Permittees will comply with all permit conditions in this Chapter and its addenda
31 with respect to the applicable requirements in Part I and Part II of the Hanford Facility
32 Dangerous Waste Permit.

33 **V.2.B CLOSURE**

34 **V.2.B.1** The Permittees will submit the following documents to comply with the closure
35 requirements in [WAC 173-303-610\(3\)](#):

36 **V.2.B.1.a** A detailed plan for a final cover that complies with the requirements of [WAC 173-303-](#)
37 [650\(6\)\(a\)\(ii\)](#) within 60 days of the issuance of this permit.

38 **V.2.B.1.b** An integrated groundwater monitoring plan as required by Condition V.2.E.3.

39 **V.2.B.2** The Permittees will install the final cover as a part of the final remedial action work plan
40 for the 100-N Area.

- 1 **V.2.C POST-CLOSURE CARE AND MAINTENANCE**
- 2 **V.2.C.1** The Permittees will submit a revised postclosure plan to include maintenance and repair
3 of the final cover as necessary.
- 4 **V.2.C.2** Upon certification of unit closure the Permittees will comply with the post-closure plan in
5 Addendum H.
- 6 **V.2.D GENERAL WASTE MANAGEMENT REQUIREMENTS**
- 7 **V.2.D.1** All waste analysis required by the following conditions will be conducted according to
8 the approved sampling and analysis plan.
- 9 **V.2.E GROUNDWATER MONITORING REQUIREMENTS FOR REGULATED UNITS**
- 10 **V.2.E.1** The Permittees will continue interim status groundwater monitoring plan until a final
11 status integrated groundwater monitoring plan, as required by Condition V.2.E.3, is
12 incorporated into the Permit. The interim status groundwater monitoring plan for the
13 1301-N is contained in Addendum D to this Chapter (Groundwater Monitoring Plan for
14 the 1301 N,1325 N, and 1324 N/NA Sites (Hartman 1996b)”).
- 15 **V.2.E.2** In addition to the requirements in Condition V.2.E.1, wells listed below shall at a
16 minimum be sampled at the indicated rate and for ICP metals (unfiltered) and anions.
- 17 **V.2.E.2.a** 199-N-67 semiannually
- 18 **V.2.E.2.b** 199-N-69 semiannually
- 19 **V.2.E.2.c** 199-N-75 semiannually
- 20 **V.2.E.2.d** 199-N-76 semiannually
- 21 **V.2.E.2.e** 199-N-103A semiannually
- 22 **V.2.E.2.f** 199-N-105A semiannually
- 23 **V.2.E.2.g** 199-N-2 semiannually
- 24 **V.2.E.2.h** 199-N-80 semiannually
- 25 **V.2.E.2.i** 199-N-106A annually
- 26 **V.2.E.2.j** 199-N-14 semiannually
- 27 **V.2.E.2.k** 199-N-56 semiannually
- 28 **V.2.E.2.l** 199-N-3 semiannually
- 29 **V.2.E.2.m** New well “3” (C8188) ternarily
- 30 **V.2.E.2.n** New well “4” ternarily
- 31 **V.2.E.2.o** New well R1 (C8184) semiannually
- 32 **V.2.E.2.p** New well “1” semiannually
- 33 **V.2.E.3** The Permittees will submit an integrated RCRA/CERCLA groundwater monitoring plan
34 for 100-NR-2 for Ecology review no later than the date imposed by milestone M-15-62-
35 T01 for submission of an FS Report for 100-NR-2.
- 36 **V.2.E.4** Permittees shall evaluate the effectiveness of the 100-NR-2 remedy for groundwater.
37 Permittees shall summarize that evaluation in the Annual Hanford Site Groundwater
38 Monitoring Report. The reporting requirement of [WAC 173-303-645](#)(11)(g) will be met

1 by a single report that is included in the annual Hanford Site groundwater monitoring
2 report, rather than two semiannual reports.

3 **V.2.F RECORDKEEPING AND REPORTING**

4 The Permittees will place documentation of all work conducted pursuant to this Chapter
5 including results of all monitoring, testing, or analytical work and associated quality
6 assurance and quality control data in the Hanford Facility Operating Record, as required
7 by Condition II.I.2. [[WAC 173-303-380](#)]

8 **V.2.G SECURITY**

9 The Permittees will post signs at points surrounding the 1301-N LWDF stating the
10 following (or an equivalent legend): Danger – Unauthorized Personnel Keep Out. These
11 signs will be written in English, legible from a distance of 7.6 meters (25 feet), and
12 visible from all angles of approach. [[WAC 173-303-310](#)(2)(a)]

13 **V.2.H PREPAREDNESS AND PREVENTION**

14 Reserved

15 **V.2.I CONTINGENCY PLAN**

16 Reserved

17 **V.2.J INSPECTIONS**

18 **V.2.J.1** The Permittees will follow the inspection schedule in Addendum I and Condition II.X
19 until closure of the unit.

20 **V.2.J.2** In the event of any potential threats to human health or the environment, the Permittees
21 will increase inspections to quarterly until the threats are removed.

22 **V.2.K TRAINING PLAN**

23 The Permittees will comply with the training requirements as described in Condition II.C
24 (Personnel Training), Permit Attachment 5 (Hanford Facility Personnel Training Plan),
25 and Addendum G (Personnel Training).

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