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

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

The closure of 1301-N will be coordinated with final CERCLA remedial actions in the 100-N Area. This permit sets forth the closure and ground water monitoring requirements for this unit.

LIST OF ADDENDA
Addendum A Part A Form
Addendum B Sampling and Analysis Plan – Reserved
Addendum C Process Information – Reserved
Addendum D Groundwater Monitoring Plan
Addendum E Security Requirements - Reserved
Addendum F Preparedness and Prevention Plan – Reserved
Addendum G Personnel Training
Addendum H Closure Plan and Post-Closure Plan
Addendum I Inspection Schedule
Addendum J Contingency Plan – Reserved
Addendum K Recordkeeping and Reporting – Reserved

DEFINITIONS
Reserved

ACRONYMS
Reserved

V.2.A COMPLIANCE WITH PERMIT CONDITIONS
The Permittees will comply with all permit conditions in this Chapter and its addenda with respect to the applicable requirements in Part I and Part II of the Hanford Facility Dangerous Waste Permit.

V.2.B CLOSURE

V.2.B.1 The Permittees will submit the following documents to comply with the closure requirements in WAC 173-303-610(3):

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

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

V.2.B.2 The Permittees will install the final cover as a part of the final remedial action work plan for the 100-N Area.
V.2.C  POST-CLOSURE CARE AND MAINTENANCE

V.2.C.1  The Permittees will submit a revised postclosure plan to include maintenance and repair of the final cover as necessary.

V.2.C.2  Upon certification of unit closure the Permittees will comply with the post-closure plan in Addendum H.

V.2.D  GENERAL WASTE MANAGEMENT REQUIREMENTS

V.2.D.1  All waste analysis required by the following conditions will be conducted according to the approved sampling and analysis plan.

V.2.E  GROUNDWATER MONITORING REQUIREMENTS FOR REGULATED UNITS

V.2.E.1  The Permittees will continue interim status groundwater monitoring plan until a final status integrated groundwater monitoring plan, as required by Condition V.2.E.3, is incorporated into the Permit. The interim status groundwater monitoring plan for the 1301-N is contained in Addendum D to this Chapter (Groundwater Monitoring Plan for the 1301 N, 1325 N, and 1324 N/NA Sites (Hartman 1996b)).

V.2.E.2  In addition to the requirements in Condition V.2.E.1, wells listed below shall at a minimum be sampled at the indicated rate and for ICP metals (unfiltered) and anions.

V.2.E.2.a  199-N-67 semiannually
V.2.E.2.b  199-N-69 semiannually
V.2.E.2.c  199-N-75 semiannually
V.2.E.2.d  199-N-76 semiannually
V.2.E.2.e  199-N-103A semiannually
V.2.E.2.f  199-N-105A semiannually
V.2.E.2.g  199-N-2 semiannually
V.2.E.2.h  199-N-80 semiannually
V.2.E.2.i  199-N-106A annually
V.2.E.2.j  199-N-14 semiannually
V.2.E.2.k  199-N-56 semiannually
V.2.E.2.l  199-N-3 semiannually
V.2.E.2.m  New well “3” (C8188) ternarily
V.2.E.2.n  New well “4” ternarily
V.2.E.2.o  New well R1 (C8184) semiannually
V.2.E.2.p  New well “1” semiannually

V.2.E.3  The Permittees will submit an integrated RCRA/CERCLA groundwater monitoring plan for 100-NR-2 for Ecology review no later than the date imposed by milestone M-15-62-T01 for submission of an FS Report for 100-NR-2.

V.2.E.4  Permittees shall evaluate the effectiveness of the 100-NR-2 remedy for groundwater. Permittees shall summarize that evaluation in the Annual Hanford Site Groundwater Monitoring Report. The reporting requirement of WAC 173-303-645(11)(g) will be met
by a single report that is included in the annual Hanford Site groundwater monitoring report, rather than two semiannual reports.

V.2.F RECORDKEEPING AND REPORTING

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

V.2.G SECURITY

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

V.2.H PREPAREDNESS AND PREVENTION

Reserved

V.2.I CONTINGENCY PLAN

Reserved

V.2.J INSPECTIONS

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

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

V.2.K TRAINING PLAN

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