FACT SHEET

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

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

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

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

TYPE AND QUANTITY OF WASTE
1301-N received mixed waste process and cooling waste water from N Reactor. It also received dangerous waste from laboratories, and may have received waste from spills within the 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 form states the unit received about 4.3 million gallons a day at a maximum.

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

CLOSURE AND POST-CLOSURE
Closure Activities
The Permittees will submit the following documents to comply with the closure requirements in WAC 173-303-610(3):

• A detailed plan for a final cover that complies with the requirements of WAC 173-303-650(6)(a)(ii) within 30 days of the issuance of this permit.

• An integrated groundwater monitoring plan as required by Condition V.2.E.3.

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

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

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

Groundwater
The Permittees will continue interim status groundwater monitoring 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 is in Addendum D.

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

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anions. The Permittees shall evaluate the effectiveness of the 100-NR-2 remedy for groundwater. That
evaluation will be summarized 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.

GENERAL WASTE MANAGEMENT REQUIREMENTS
The Permittees must conduct all waste analysis required by Condition V.2.d.1 according to the approved
sampling and analysis plan.

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

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

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

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

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

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

REQUESTED VARIANCES OR ALTERNATIVES
WAC 173-303-645(11)(g) requires the Permittees to submit reports on the effectiveness of a corrective
action program twice a year. Ecology believes a yearly summary of the program’s effectiveness in the
annual Hanford Site Groundwater Monitoring Report is sufficient.

STATE ENVIRONMENTAL POLICY ACT (SEPA)
The SEPA determination for this unit is in the Hanford-Wide Permit Fact Sheet.
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