



Department of Energy
Office of River Protection
P.O. Box 450
Richland, Washington 99352

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MEMORANDUM FOR ENVIRONMENTAL COMPLIANCE DIVISION OFFICE FILE

FROM:

M.E. BURANDT, GENERAL ENGINEER
ENVIRONMENTAL COMPLIANCE DIVISION

Mary Burandt

SUBJECT:

CLARIFICATION: NOTICE OF INTENT, LOW-ACTIVITY
WASTE PRETREATMENT SYSTEM, RPP-ENV-59521, REV. 0

The *Notice of Intent, Low Activity Waste Pretreatment System, RPP-ENV-59521, Rev. 0*, was transmitted to the Washington State Department of Ecology on April 28, 2016 (Letter 16-ECD-0016). This memorandum serves as clarification to that Notice of Intent as described in the following information.

Mission needs and design evolution from 2016 through calendar year 2018 resulted in necessary adjustments to the feed portion of the Direct Feed Low-Activity Waste program. This includes a phased approach to the Low-Activity Waste Pretreatment System (LAWPS), which requires a modest adjustment of the facility location closer to the 241-AP Double-Shell Tank Farm. Phase 1 includes use of an early "near-tank" pretreatment technology known as the Tank Side Cesium Removal (TSCR) System to provide pretreated feed for hot commissioning of the Waste Treatment and Immobilization Plant (WTP) Low-Activity Waste (LAW) Facility. TSCR will function similar to the original LAWPS and remove cesium from tank waste supernate before transfer to the WTP LAW Facility for vitrification. Phase 2 will consist of either the use of a permanent cesium removal capability or an additional TSCR unit to provide the necessary throughput to support full operation of the WTP LAW Facility.

The LAWPS remains in the 200 East Area of the Hanford Site, immediately adjacent to the East side of the 241-AP Double-Shell Tank Farm and is shown on the attached topographic map.

Attachment

cc w/attach:

M.E. Jones, Ecology

T.G. Beam, WRPS

C.P. Strand, WRPS

Administrative Record (TS-2-8)

WRPS Correspondence

**Attachment
19-ECD-0010
(1 Page Excluding Cover Sheet)**

**Clarification: Notice of Intent, Low-Activity Waste Pretreatment System,
RPP-ENV-59521, Rev. 0**



The Hanford Site



Unit Location

- TSD Unit Group Boundary
- Contours at 1 Meter Intervals
- Depression Contours at 1 Meter Intervals
- Wells
- DOE Operating Areas
- Hanford Facility

- SWMUs and Known Releases
- Linear SWMUs and Known Releases
- Spot SWMUs and Known Releases
- Buildings & Mobiles
- Structures
- Major Roads
- Service Roads
- Railroads
- Fences

