



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950  
711 for Washington Relay Service • Persons with a speech disability can call (877) 833-6341

December 16, 2021

21-NWP-211

Brian T. Vance, Manager  
Office of River Protection  
United States Department of Energy  
PO Box 450, MSIN: H6-60  
Richland, Washington 99352

John R. Eschenberg, President  
Washington River Protection Solutions  
PO Box 850, MSIN: H3-04  
Richland, Washington 99352

Re: Submittal of the Certification of Construction for the Low-Activity Waste Pretreatment System (TS-2-8), Meeting the *Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste*, Part III, Operating Unit Group 1, Low-Activity Waste Pretreatment System (LAWPS Permit), WA7890008967

Reference: See page 2

Dear Brian T. Vance and John R. Eschenberg:

The Department of Ecology (Ecology) received the Low-Activity Waste Pretreatment System (LAWPS) Tank-Side Cesium Removal (TSCR) Facility Certification Package (Reference), in accordance with LAWPS Permit Condition III.1.B.1.

The submitted package is the final component of the construction certification process. The LAWPS TSCR construction certification was a coordinated effort between Ecology, and the United States Department of Energy—Office of River Protection and Washington River Protection Solutions, the Permittees. The scope of this certification includes the following TSCR Facility components to support the Direct Feed Low-Activity Waste (DFLAW) effort:

- TSCR System
  - Process Enclosure and Associated Equipment
  - Ancillary Enclosure
  - Control Enclosure
  - Balance of Facilities Pad
- TSCR Ion Exchange Column Storage Pad
- TSCR Hose-In-Hose Transfer Line Upgrades
- Portions of the Waste Feed Delivery (Hard-Walled Transfer Lines), as detailed in Attachment 2 of the Reference.

Ecology is required to verify that the facility has been constructed or modified in accordance with the LAWPS Permit in compliance with Washington Administrative Code 173-303-810(14)(a). This is performed through document reviews, facility walk downs, and the Permittees' submittal of the certification package. The purpose of these steps is to ensure that Ecology can make a thorough assessment that construction and installation of permit-affecting systems and components has occurred in compliance with the LAWPS Permit.

Brian T. Vance and John R. Eschenberg  
December 16, 2021  
Page 2 of 3

21-NWP-211

Ecology reviewed the information submitted in the Reference. We fully accept the Permittees' certification that the LAWPS TSCR Facility has been constructed in accordance with the LAWPS Permit.

Ecology's determination is based on the agreed-to process between Ecology and the Permittees. This process was established to fulfill the construction certification requirements. Ecology appreciates the cooperative spirit and effort by the Permittees for the LAWPS TSCR Facility.

If there are any questions, please contact Jay Decker, WTP Lead Design Engineer, at (509) 372-7948 or [jay.decker@ecy.wa.gov](mailto:jay.decker@ecy.wa.gov).

Sincerely,

Dahl, Suzanne  
(ECY)

Digitally signed by Dahl,  
Suzanne (ECY)  
Date: 2021.12.16 15:43:31  
-08'00'

Suzanne Dahl  
Tank Waste Treatment Section Manager  
Nuclear Waste Program

nc/ag

cc: See page 3

Reference: Letter 21-ECD-003447, dated October 28, 2021, "Certification of Construction for the Low-Activity Waste Pretreatment System (TS-2-8)"

cc electronic:

David Einan, EPA  
Duane Carter, USDOE  
Janet Diedeker, USDOE  
Tom Fletcher, USDOE  
Roger Gordon, USDOE  
Tony McKarns, USDOE  
Delmar Noyes, USDOE  
Bryan Trimberger, USDOE  
Jon Perry, HMIS  
Tom Beam, WRPS  
James Hamilton, WRPS  
Mike Leonard, WRPS  
Chris Strand, WRPS  
Gordon Warwick, WRPS  
Mason Murphy, CTUIR  
Jack Bell, NPT  
Rex Buck, Jr., Wanapum  
Laurene Contreras, YN  
ERWM Staff, YN  
Steve Wiegman, HAB  
David Reeploeg, Hanford Communities  
Max Woods, ODOE

Gail Laws, WDOH  
Debra Alexander, Ecology  
Jennifer Cantu, Ecology  
Annette Carlson, Ecology  
Nitya Chandran, Ecology  
Suzanne Dahl, Ecology  
Jay Decker, Ecology  
Tracy Gao, Ecology  
Yoana Lucatero, Ecology  
Jeff Marusich, Ecology  
Dan McDonald, Ecology  
Stephanie Schleif, Ecology  
Oliver Wang, Ecology  
Environmental Portal  
EPA Region 10 Hanford Field Office  
Correspondence Control  
Hanford Administrative Record  
Hanford Facility Operating Record  
HMIS Correspondence Control  
USDOE Correspondence Control  
WRPS Correspondence Control