



**U.S. Department of Energy  
Hanford Site**

December 4, 2020

20-ECD-0057

Ms. Stephanie N. Schleif  
Acting Program Manager  
Nuclear Waste Program  
Washington State Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Dear Ms. Schleif:

**COMPLETION OF TRI-PARTY AGREEMENT MILESTONE M-062-50**

Tri-Party Agreement (TPA) Milestone M-062-50 states the following:

“Submit to Ecology, as a secondary document, a Mass Balance Flow from Tank Farms to Low Activity Waste Pretreatment Capability to Low Activity Waste to Effluent Management Facility to Recycle to Tank Farms and to LERF/ETF.”

Mass balance information has been submitted with various permit application related to the following facilities include:

- Waste Treatment and Immobilization Plant (WTP) Direct Feed Low-Activity Waste and Effluent Management Facility (EMF) mass balance information was submitted in April 2017.
- Tank Side Cesium Removal mass balance information was submitted in May 2019.
- Erik Olds provided revised information for EMF mass balance to the Liquid Effluent Retention Facility/Effluent Treatment Facility to Washington State Department of Ecology (Ecology) on March 25, 2020. A briefing was provided on April 13, 2020, and a subsequent briefing was provided on October 27, 2020.

In addition to the continued submittal of mass balance information related to the permit application and modifications, which addresses the more near term request related to mass balance information, Ecology has two WTP Interim Compliance Schedule Items, which address the longer-term issue related to mass balance.

Interim Compliance Schedule Item states the following related to mass balance, which were agreed upon in November 2017:

WTP-47 states: "Within nine (9) months of completion of the Pretreatment Facility (PTF) and High Level Waste (HLW) redesign, complete a gap analysis to determine if the PTF and HLW redesign changes affect the WTP mass balance. The analysis will be submitted to Ecology for inclusion in the Administrative Record." Due date September 30, 2025.

WTP-48 states: "After completing five (5) years of operations under the DFLAW configuration, complete a gap analysis to determine if DFLAW operations affect the WTP mass balance. The analysis will be submitted to Ecology for inclusion in the Administrative Record." Due date June 30, 2029.

U.S. Department of Energy (DOE) believes the requirement to submit mass balance information with permit submittals, and the interim compliance schedule items already in place meet the intent of the TPA milestone. Based on the information presented above, and discussions with John Price on November 2, 2020 DOE and Ecology believe TPA M-62-50 is complete.

If you have any questions, please contact me, or your staff may contact Christopher J. Kemp, Director, Environmental Compliance Division, Office of River Protection, on (509) 373-0649, or Janet Diediker, Low Activity Waste Pretreatment System Federal Project Director, Office of River Protection, on (509) 372-3043.

Sincerely,



Digitally signed by GLYN D. TRENCHARD  
DN: c=us, o=u.s. government,  
ou=department of energy, ou=Energy IT  
Services, ou=Hanford Site, ou=People,  
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Glyn D. Trenchard, Assistant Manager  
Technical and Regulatory Support  
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ECD:MEB

cc: T. Beam, WRPS  
C. Strand, WRPS  
S. Dahl, Ecology  
M. Jones, Ecology  
Administrative Record  
Environmental Portal  
WRPS Correspondence