



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

July 24, 2015

15-NWP-141

Ms. Stacy L. Charboneau, Manager  
Richland Operations Office  
United States Department of Energy  
PO Box 550, MSIN: A7-50  
Richland, Washington 99352

Mr. John A. Ciucci, President and CEO  
CH2M HILL Plateau Remediation Company  
PO Box 1600, MSIN: H7-30  
Richland, Washington 99352

Re: Request for Temporary Authorization to Implement a Class 3 Permit Modification Related to the Closure of the 207-A South Retention Basin

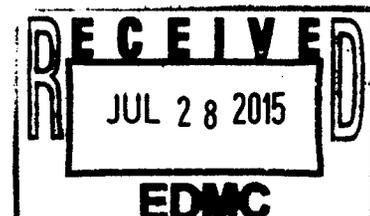
Reference: Letter 15-AMRP-0228, received June 25, 2015, from S. L. Charboneau, USDOE-RL, to J. A. Hedges, Ecology, "Submittal of Permit Modification Request, Temporary Authorization Request, and Closure Plan for the 207-A SRB Treatment, Storage, and Disposal Unit"

Dear Ms. Charboneau and Mr. Ciucci:

The United States Department of Energy – Richland Operations Office (USDOE-RL) and CH2M Hill Plateau Remediation Company (CHPRC) (Permittees) requested that the Department of Ecology (Ecology) issue a Temporary Authorization (TA) related to a Class 3 Permit Modification request for the closure of the 207-A South Retention Basin (SRB) treatment, storage, and/or disposal unit.

The 207-A SRB to be closed is described below:

The 207-A SRB is located in the 200 East Area of the Hanford Site, directly east of the 242-A Evaporator. The 207-A SRB consists of three cells which historically stored influent process condensate from the 242-A Evaporator from March 1977 to April 1989. The condensate was then discharged as effluent to the 216-A-37-1 Crib for disposal. The cells are trapezoidal in shape, tapering to the base of lesser area at approximately 2.1 m (7 feet) below ground surface (bgs). Based on information provided by USDOE, the overall dimensions of each cell are approximately 16.8 m (55 feet) long, 3.0 m (10 feet) wide at the bottom, and 2.1 m (7 feet) deep. They have a per cell capacity of 264,979 L (approximately 70,000 gallons). The total capacity of all three cells comprising the 207-A SRB was 794,937 L (approximately 210,000 gallons). Each cell is made of concrete and was covered with an elastomeric coating in 1982. The basin is underlain by a Hypalon® liner.



July 24, 2015

Page 2

Ecology reviewed the TA request, draft closure plan, and State Environmental Policy Act checklist that provided the information and justification for removal and closure of the 207-A SRB. Ecology finds the following, pursuant to Washington Administrative Code (WAC) 173-303-830(4)(e)(ii), WAC 173-303-830(4)(e)(iii)(B)(I), and WAC 173-303-840(10):

- 1) The authorized activities are in compliance with the applicable standards of WAC 173-303-280 through 173-303-395 and WAC 173-303-600 through 173-303-680.
- 2) As part of the Class 3 Permit Modification process, the TA is necessary, per WAC 173-303-830(e)(iii)(B)(I), to facilitate timely implementation of closure or corrective action activities.

Ecology requires the following activities to be conducted by the Permittees under the TA:

- The TA allows the removal of the 207-A SRB, which includes concrete, the elastomeric coating on the concrete, the Hypalon® liner beneath the concrete, potentially contaminated soils around the concrete edge of the basin (if any), and any associated piping and drains around the concrete edge.
- Collection of soil samples below the basin footprint to verify that cleanup standards have been met.
- Laboratory analysis of samples.
- Analytical results will be input into the data analysis portion of the Visual Sample Plan, to determine sampling assumptions were met.
- Demonstrate that the analytical results are less than the Model Toxics Control Act (MTCA) Method B, WAC 173-340, soil cleanup levels for unrestricted land use, which meet standards for clean closure.
- Remove any contaminated environmental media present which exceeds MTCA Method B soil cleanup levels, if identified during initial sampling.
- If necessary, resample prior to backfilling, in order to confirm that MTCA Method B soil cleanup levels have been met.
- Solid wastes generated will be disposed of at the Environmental Restoration Disposal Facility or at an active or interim status Resource Conservation and Recovery Act dangerous waste management unit at the Hanford Site.
- Liquid wastes generated (if any) will be required to be containerized and sampled for laboratory analysis in order to characterize liquid waste prior to disposal.
- All wastes must remain at the Hanford Site.

Pursuant to WAC 173-303-830(4)(e), Ecology approves the TA activities described above for 180 days, effective July 27, 2015, through January 23, 2016.

This permit modification is not complete, and Ecology has not approved the closure plan. According to WAC 173-303-830(4)(e)(ii)(C), the Permittees are required to notify all persons on the facility mailing list about this TA request within 7 days of submitting the request to Ecology. This notice was completed by the Permittees on June 30, 2015, by listserv notice. The public comment period for the proposed Class 3 Permit Modification began on June 30, 2015, and ends on August 28, 2015.

When Ecology reviews the public comments, it may result in changes to the permit modification, affecting the areas for which this TA is being approved. The final permit modification decision will replace this TA and be incorporated in the *Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste*, WA7890008967.

If you have any questions, please contact Tim Mullin, Environmental Specialist, at [tim.mullin@ecy.wa.gov](mailto:tim.mullin@ecy.wa.gov) or (509)-372-7970.

Sincerely,



Suzanne Dahl  
Tank Waste Treatment Section Manager  
Nuclear Waste Program

tm/aa

cc electronic:

Dave Bartus, EPA  
Dennis Faulk, EPA  
Al Farabee, USDOE  
Jane Borghese, CHPRC  
Darin Corriell, CHPRC  
Laura Cusack, CHPRC  
Brian Dixon, CHPRC  
Carolyn Noonan, CHPRC  
Rob Piippo, CHPRC  
Fred Ruck III, CHPRC  
Michael Turner, CHPRC  
Jon Perry, MSA  
Ken Niles, ODOE  
Debra Alexander, Ecology  
Annette Carlson, Ecology  
Kelly Elsethagen, Ecology  
Mandy Jones, Ecology  
Nina Menard, Ecology  
Tim Mullin, Ecology  
Noe'l Smith-Jackson, Ecology  
Nancy Ware, Ecology  
Kim Welsch, Ecology  
Cheryl Whalen, Ecology  
CHPRC Correspondence Control  
Environmental Portal  
Hanford Facility Operating Record  
USDOE-RL Correspondence Control

cc: Rod Skeen, CTUIR  
Gabriel Bohnee, NPT  
Alyssa Buck, Wanapum  
Russell Jim, YN  
Steve Hudson, HAB  
Administrative Record: (207-A SRB)  
NWP Central File  
NWP Reader File