



**Department of Energy**  
 Richland Operations Office  
 P.O. Box 550  
 Richland, Washington 99352

10-AMCP-0166

**JUN 08 2010**

Ms. J. A. Hedges, Program Manager  
 Nuclear Waste Program  
 State of Washington  
 Department of Ecology  
 3100 Port of Benton  
 Richland, Washington 99354

**RECEIVED**  
 JUN 10 2010

**EDMC**

Dear Ms. Hedges:

**APPLICATION FOR DEFERRAL FOR FINAL CLOSURE OF SOLID WASTE LANDFILL**

This letter responds to the May 7, 2010, determination for a regulatory path forward to the final closure of the Solid Waste Landfill. The U.S. Department of Energy Richland Operations Office (RL) concurs with the intent of the State of Washington Department of Ecology (Ecology) to waive the solid waste permit requirements for the Solid Waste Landfill in favor of the more protective requirements under the Hanford Dangerous Waste permit. RL believes this will allow us to efficiently close the Solid Waste Landfill along with the adjacent Nonradioactive Dangerous Waste Landfill (NRDWL), using a uniform approach for closure design, construction, groundwater monitoring program and post-closure care. Specifically, RL concurs with the following:

- The Solid Waste Landfill is subject to the regulatory requirements of WAC 173-350 Solid Waste Handling Standards which will be satisfied through the deferral option in WAC 173-350-710(8);
- By approval of the deferral application, Ecology will waive the solid waste permitting requirement by deferring to the corresponding requirements of the WAC 173-303 Dangerous Waste Regulations and implemented via the current Hanford Facility Permit WA7 89000 8967;
- The same closure/final cover, post closure care, groundwater monitoring requirements developed for the NRDWL will apply to Solid Waste Landfill to meet the solid waste management unit corrective action requirements pursuant to the Hanford Facility Resource Conservation and Recovery Act Permit Condition II.Y, which implements WAC 173-303-64620; and
- Since the closure/post closure and groundwater monitoring plan requirements will be common to the NRDWL and Solid Waste Landfill, RL will document them in a single closure/post-closure plan and a single groundwater monitoring plan.

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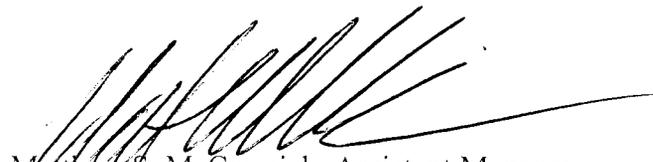
JUN 08 2010

Accordingly, transmitted with this letter is a completed Ecology form ECY 040-159 (11/03) for Application for Deferral of Solid Waste Permit per WAC 173-350-710(8). This application provides the demonstration that identifies each closure/post-closure requirement of Chapter 173-350 WAC and a detailed description of how the requirements of WAC 173-303, Dangerous Waste Regulations, will provide equivalent or superior level of environmental protection. Upon approval of the application, RL understands that the plans for closure of the NRDWL and Solid Waste Landfill will be included in the current Hanford Facility Permit.

In order to proceed with project development, RL requests that Ecology issue a letter following the public comment period indicating that the Closure/Post-closure plan is considered complete and ready for permitting. We look forward to your approval of the attached application and final approval of the related permitting documentation (Closure/Post Closure Plan, Groundwater Monitoring Plan) needed to implement Final Closure.

If you have any questions, please contact me, or your staff may contact Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,



Matthew S. McCormick, Assistant Manager  
for the Central Plateau

AMCP:KDL

Attachment

cc: See Page 3

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cc w/attach:

D. Bartus, EPA  
D. G. Black, CHPRC  
G. Bohnee, NPT  
R. C. Brunke, CHPRC  
L. Buck, Wanapum  
J. R. Butner, CH2  
G. P. Davis, Ecology  
M. H. Doornbos, CHPRC  
D. A. Faulk, EPA  
S. Harris, CTUIR  
M. N. Jaraysi, CHPRC  
R. Jim, YN  
S. L. Leckband, HAB  
K. Niles, ODOE  
D. L. Norman, CHPRC  
A. A. Okemgbo, Ecology  
R. E. Piippo, MSA  
D. Rowland, YN  
D. G. Singleton, Ecology  
E. R. Skinnarland, Ecology  
W. E. Toebe, CHPRC  
J. G. Vance, MSA  
Administrative Record  
Environmental Portal



Description of the solid waste handling units for which the facility is requesting deferral: Solid Waste Landfill (Former 600 Area Landfill), which is regulated under 173-350 as a municipal limited purpose landfill, received a variety of waste including office and sanitary waste, construction debris, bulk items, asbestos and others items as detailed in the closure plan. Radioactive and dangerous waste disposal did not occur. This request is to defer to WAC 173-303 Dangerous Waste Regulations applicable to the NRDWL landfill closure, which is located adjacent to the SWL landfill. The closure of SWL will be conducted in coordination with the NRDWL closure with a uniform ET Barrier over both facilities.

### Required or Existing Permits at the Facility Site

Type of permit (check box)	Consider for deferral	Need to Obtain	Existing Permit		
			Regulating Authority	Permit #	Expiration Date
<input type="checkbox"/> NPDES permit					
<input type="checkbox"/> Biosolids permit					
<input type="checkbox"/> State waste discharge permit					
<input type="checkbox"/> Conditional use permit					
<input type="checkbox"/> Stormwater permit					
<input type="checkbox"/> Hydraulic permit					
<input type="checkbox"/> DNR Surface mining permit					
<input type="checkbox"/> Flood control permit					
<input type="checkbox"/> Fire permit					
<input type="checkbox"/> Wetlands permit					
<input type="checkbox"/> Air operating permit					
<input type="checkbox"/> DNR Forest Practices					
<input checked="" type="checkbox"/> Hanford Facility RCRA Permit	<input checked="" type="checkbox"/>		State of Washington Department of Ecology	WA7890008967	In Continuance
<input type="checkbox"/> Other					

### Addition Information Required

Attach a demonstration that identifies each applicable requirement of chapter 173-350 WAC and a detailed description of how the other environmental permits will provide an equivalent or superior level of environmental protection. (SEE ATTACHED CROSSWALK TABLES DEMONSTRATING EQUIVALENT OR SUPERIOR PROTECTION)

Attach evidence that the facility is in conformance with the approved comprehensive solid waste management plan and/or the approved hazardous waste management plan. (NOT APPLICABLE)

*Ecology is an Equal Opportunity Employer.*

**Groundwater Monitoring**  
**The table below presents the groundwater monitoring requirements 173-350-500 for Landfills and the equivalent regulation under 173-303-645 Dangerous Waste Regulations. Where necessary a brief explanation**

173-350-500 Groundwater Monitoring	Equivalent 173-303-645 Releases from regulated units	Abridged Text	NOTES
173-350-500 (1) GW Monitoring Professional Quals	None found		Geologists licensed in the state of WA will prepare GW monitoring plan for NRDWL
173-350-500 (2) Site Characterization	Not applicable	Unit already exists for characterizing site prior to permitting not possible.	NRDWL already closed, site characterization not possible
173-350-500 (3) System Design	173-303-645 (8) (a) to ( c)	Owner must comply with this requirement for any groundwater monitoring program to satisfy subsections (9), (10), and (11)	Equivalent
173-350-500 (4) Sampling and Analysis Plan	173-303-645 (8) (d) to (g)	Department may specify indicator parameters and may exclude specific constituents if certain requirements are met	Equivalent, in addition, RL is preparing a sampling and analysis plan that will be reviewed and approved by the department
173-350-500 (5) Data analysis, notification, reporting	173-303-645 (8) (h) and (i)	Multiple groundwater monitoring data statistical analysis methods are proposed including ANOVA	Equivalent, in addition, RL will perform ANOVA analyses on indicator compounds

Attach evidence of compliance with chapter 197-11 WAC, SEPA rules (SEPA checklist and Determination of Non-Significance) (A DNS SEPA DETERMINATION WAS ISSUED IN AUGUST 1990, AN UPDATED SEPA CHECKLIST IS CURRENTLY BEING PREPARED AND WILL BE SUBMITTED ONCE COMPLETE)

Attach other information that the jurisdictional health department or the Department of Ecology has required in accordance with WAC 173-350-710 (8)(d)(vi).

**Signature and Verification of Applicant** (Refer to WAC 173-350.715(3) for appropriate evidence of authority)

*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

Matthew S. McCormick

Assistant Manager, for the Central Plateau

(Applicant's Signature - printed)

(Title)

(Applicant's Signature)

(Date)

**Notary Public Verification**

State of Washington

County of Benton

Signed or attested before me on June 8, 2010

By



J. Jill Spargur  
(Signature)

J. Jill Spargur

My appointment expires:

September 29, 2012  
(Date)