



11-13-075

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

April 13, 2006

Mr. Keith A. Klein, Manager  
Richland Operations Office  
United States Department of Energy  
P.O. Box 550, MSIN: A7-50  
Richland, Washington 99354-0550

RECEIVED  
APR 13 2006  
EDMC

Re: Application for Renewal of State Waste Discharge Permit ST 4500 – Additional Data Needs Request

Dear Mr. Klein:

This letter transmits a list for additional information that Ecology has determined is necessary to complete the application process. A temporary approval of continued operations was granted until the permit application could be reviewed and an inspection performed. The current Permit will remain in effect until the new Permit is issued. After a recent review of the permit application, Ecology has the following comments:

1. Page 3 of 23 stated that "Completion of Sections B.1 and B.2 was not required for the 1999 application." However, as this is the 2005 application, completion of these sections are required.
2. Page 4 of 23 stated that "Completion of Section C.2 was not required for the 1999 application." However, as this is the 2005 application, completion of this section is required.
3. Page 4 of 23, Section C.3. Verify that the maximum daily discharge flow and maximum average monthly discharge flow are still accurate.
4. Page 4 of 23 stated that "Completion of Sections C.4 and C.8 was not required for the 1999 application." However, as this is the 2005 application, completion of these sections are required.
5. Page 6 of 23, Section D.2. Verify water usage rates and provide clarification on how raw water usage was estimated.



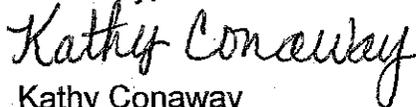
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6. Page 7 of 23, Section E.1. Describe how the effluent volume is measured.
7. Page 19 of 23 stated that "Completion of Sections G.1 and G.6 was not required for the 1999 application." However, as this is the 2005 application, completion of these sections are required.
8. Page 20 of 23 stated that "Completion of Sections H.1 and H.6 was not required for the 1999 application." However, as this is the 2005 application, completion of these sections are required.
9. Page 22 of 23, Section I.1. Provide clarification regarding the usual volumes and designations (types) of solid waste generated and describe "other solid wastes generated" in paragraph 2.
10. Page 22 of 23, Section I.2. Describe the bulk chemicals that are stored in tanks and containers at the 200 Area Effluent Treatment Facility (ETF) and used as raw materials.
11. Page 23 of 23. Attach applicable drawings and supplemental information as needed.

Ecology would like to schedule an inspection in late May/early June 2006 at the ETF to review current operations. During the site visit, we would like to discuss any future upgrades at ETF which could be needed to treat the effluents from tank waste vitrification activities at the Waste Treatment Plant, the Demonstration Bulk Vitrification System Facility, and leachate from the Integrated Disposal Facility.

If you or your staff has any questions, please contact me at (509) 372-7890.

Sincerely,



Kathy Conaway  
ETF Permit Manager  
Nuclear Waste Program

KC:pll

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- References:
1. USDOE Application for Renewal of State Waste Discharge Permit ST 4500 from 200 Area Effluent Treatment Facility to the State Approved Land Disposal Site (05-AMCP-0153) submitted to Ecology February 2, 2005
  2. Ecology Letter from Kathy Conaway to Keith Klein, USDOE-RL, "Application for Renewal of State Waste Discharge Permit ST 4500," Receipt of application and permitting process

cc: Bradley Erlandson, BNI  
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