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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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February 10, 2017

17-NWP-011

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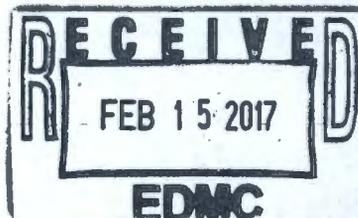
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Re: Incorporating the *Dangerous Waste Closure/Post Closure Plan for the 1706-KE Waste Treatment System (1706-KE WTS)*, DOE/RL-2009-29, Revision 2, into the *Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste (Site-wide Permit)*, Part V, Closure Unit Group 16, WA7890008967

References: See page 2

Dear Madam and Gentlemen:



This letter serves as the permit decision letter to incorporate the 1706-KE WTS, Closure Unit Group 16 into the Hanford Site-wide Permit, WA7890008967, Revision 8C. Documents incorporating this unit into the Hanford Site-wide Permit will be included in the first quarter modification package, ending March 31, 2017.

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The 1706-KE WTS was located in the 100-K Area and consisted of:

- 2082 liter (550 gallon) waste accumulation tank
- 0.14 cubic meter (5 cubic foot) mixed bed resin ion exchange column
- 114 liter (30 gallon) evaporator unit
- 363 liter (96 gallon) condensate collection tank

The system began operating in July of 1986 and was shut down shortly after start up. From early 1987 to March 1990, the accumulation tank was used for Liquid Effluent Treatment Facility studies and later for the TF-9 high-pressure test loop in support of the 100-N Reactor tritium fuel cladding program. As of July 9, 2009, all components of the 1706-KE WTS were removed and shipped for disposal to the Environmental Restoration Disposal Facility.

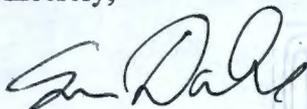
The United States Department of Energy transmitted the 1706-KE WTS, Revision 2, to the Department of Ecology (Ecology) on September 30, 2009 (Reference 1). On October 13, 2009, Ecology accepted the revised 1706-KE WTS (Reference 2).

From May 1, 2012 to October 22, 2012, the 1706-KE WTS unit chapter was included in the public comment period for the draft Revision 9 Hanford Site-wide Permit. Ecology received 20 public comments on the 1706-KE WTS during the public comment period. However, the effort to revise the draft Rev. 9 Site-wide Permit has taken longer than anticipated.

Therefore, Ecology will respond to these comments in a Response to Comments document issued after the 1706-KE WTS is included in the Revision 8C Hanford Site-wide Permit.

If there are any questions, please contact Nina Menard, Environmental Restoration Project Manager, at [nina.menard@ecy.wa.gov](mailto:nina.menard@ecy.wa.gov) or (509) 372-7941, or Annette Carlson, Permit Coordinator, at [annette.carlson@ecy.wa.gov](mailto:annette.carlson@ecy.wa.gov) or (509) 372-7897.

Sincerely,



Suzanne Dahl  
Dangerous Waste Permit Manager  
Nuclear Waste Program

bj/aa

cc: See page 3

References:

1. Letter 09-AMRC-0210, dated September 30, 2009, "Submittal of the Revised Dangerous Waste Closure/Postclosure Plan for the 1706-KE Waste Treatment System (Rev.2) to the State of Washington Department of Ecology (Ecology) for Approval" 0083723
2. Letter 0083497, dated October 13, 2009, "Department of Ecology (Ecology) Approval of the Revised Dangerous Waste Closure/Post Closure Plan for the 1706-KE Waste Treatment System, DOE/RL-2009-29, Revision 2" 0083497

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