



## Department of Energy

Richland Field Office  
P.O. Box 550  
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SEP 30 1992

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Mr. Paul T. Day  
Hanford Project Manager  
U.S. Environmental Protection Agency  
712 Swift Boulevard, Suite 5  
Richland, Washington 99352

Mr. David B. Jansen, P.E.  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504-7600



Dear Messrs. Day and Jansen:

### PHASE II LIQUID EFFLUENT PROGRAM WASTEWATER ENGINEERING REPORT AND BAT/AKART STUDIES

- References
- 1) Consent Order No. DE 91NM-177 (216 Consent Order), State of Washington Department of Ecology (Ecology) and U.S. Department of Energy (DOE), December 23, 1991. - 12177
  - 2) Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Ecology, U.S. Environmental Protection Agency (EPA), DOE, May 1989, and amendments. - 1237

Attached is the "Phase II Liquid Effluent Program (Project W-252) Wastewater Engineering Report and BAT/AKART Studies" (WHC-SD-W252-ER-001, Revision 0). Submittal of this document satisfies the following three requirements stated in the above references.

1. The 216 Consent Order requirements in Section 5 and in Table 3 "Other Phase II Streams Milestones" to submit the BAT/AKART Evaluations and 240 Engineering Report by September 1992.
2. The portion of Tri-Party Agreement Milestone M-17-00B requiring "Negotiations on the schedule for implementation of BAT/AKART at each of the Phase II liquid effluent streams be finalized by December 1992." Schedules are included to implement BAT/AKART on an accelerated basis, by October 1997, for the nine remaining Phase II streams. This schedule assumes acceptance of proposed BAT/AKART by EPA and Ecology.

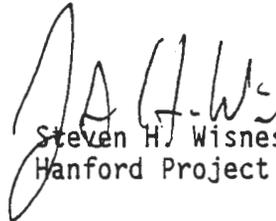


3. There is no recommendation for treatment of an effluent prior to discharge, therefore 30% and 80% Design Report dates, as identified in Section 5 of the 216 Consent Order, have not been included on the construction schedule in the Engineering Report (ER). The ER does discuss treatment for the 183-D Filter Backwash and the 284-E Power Plant. However, at 183-D there will be no effluent discharge after BAT/AKART implementation, and the treatment at the 284-E removes solids from the backwash prior to returning water to the 283-E reservoir.

Please note that a BAT/AKART study was not completed on the 241-AY/AZ Steam Condensate. This stream began discharging to double-shell tanks prior to the 216 Consent Order agreement and there are no future plans to discharge the stream to the soil column. Therefore, the submittal of a BAT/AKART report is not required for this stream as allowed in Section 2 of the 216 Consent Order.

If you have any questions concerning this report, please contact D. C. Bryson of the Waste Management Division on (509) 372-0738.

Sincerely,



Steven H. Wisness  
Hanford Project Manager

WMD: DCB

Attachment

cc w/att:

B. A. Austin, WHC  
D. Nylander, Ecology  
T. Tebb, Ecology  
D. Sherwood, EPA

cc: w/o att:

D. E. Kelley, WHC  
R. W. Oldham, WHC  
J. D. Williams, WHC  
C. C. Haass, SWEC

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