



Department of Energy

Richland Operations Office
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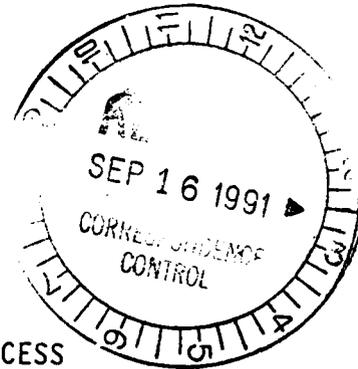
Mr. Paul T. Day
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Mr. Timothy L. Nord
Hanford Project Manager
State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98504-8711

RECEIVED

SEP 05 1991

J.C. MIDGETT



Dear Messrs. Day and Nord:

FEASIBILITY STUDY: POST NEUTRALIZATION FILTRATION OF UO₃ PLANT PROCESS CONDENSATE

The attached report contains an evaluation of the need to provide post neutralization filtration of the UO₃ Plant process condensate to assure that 10 CFR 20 Appendix B Table II Column 2 values (Table II values) for uranium radionuclides would not be exceeded. This report concludes that the current design of the process condensate effluent system poses an insignificant risk of exceeding the Table II values; therefore, inclusion of an additional filtration system is not recommended. In a parallel effort, The Department of Energy (DOE) and Westinghouse Hanford Company (WHC) have made a commitment to accelerate the construction of the Fiber Mist Eliminator which is designed to reduce the amount of uranium carryover in the process condensate. This equipment has already been purchased and installation is in progress. The projected installation and inspection schedule is expected to prepare the unit for operation in a test mode during the plant stabilization campaign in mid-October.

This report fulfills the Hanford Federal Facility Agreement and Consent Order Tri-Party Agreement milestone M-17-11 interim operating restriction requirement, "Complete a study by August 1991 evaluating the need for post neutralization filtration for removal of uranium (relative to 10 C.F.R. 20 Table II, Column 2) from the UO₃ Plant Process Condensate."

If you have any questions please contact J. E. Mecca, DOE Richland Field Office, on (509) 376-7471.

Sincerely,

Steven H. Wisness
Steven H. Wisness
Hanford Project Manager

Attachment

cc w/att:
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Subject: FEASIBILITY STUDY: POST NEUTRALIZATION FILTRATION OF UO₃ PLANT
PROCESS CONDENSATE

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