



Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

0016182

AUG 30 1991

Incoming
9104206

Mr. Paul T. Day
Hanford Project Manager
U.S. Environmental Protection Agency
Region 10
712 Swift Boulevard, Suite 5
Richland, Washington 99352

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:

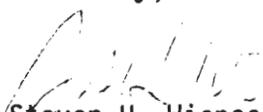
FEASIBILITY STUDY: POST NEUTRALIZATION FILTRATION OF UO₃ PLANT PROCESS CONDENSATE

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
Hanford Project Manager

Attachment

cc w/att:
R. Stanley, Ecology
Doug Sherwood, EPA
P. Stasch, Ecology
R. Conklin, Department of Health

T. M. Veneziano, WHC
M. A. Payne, WHC
J. C. Midgett, WHC
R. E. Lerch, WHC



CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
S. H. Wisness/RL	P. T. Day/EPA T. L. Nord/Ecology	Incoming 9104206

Subject: FEASIBILITY STUDY: POST NEUTRALIZATION FILTRATION OF UO₃ PLANT
PROCESS CONDENSATE

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/acc
		Correspondence Control	A3-01	X
		President's Office	B3-01	
		EDMC	H4-22	X
		JE Cottrell	T7-20	X
		JC Fulton	R3-56	X
		KA Hadley	R3-56	X
		KL Hoewing	B3-06	X
		RE Lerch	B2-35	X
		HE McGuire	B3-63	
		JC Midgett	S6-15	
		MA Payne	R3-50	X
		WE Ross	S6-15	
		WG Ruff Level 1/Assignee	R3-50	X
		TB Veneziano	B2-35	X

