



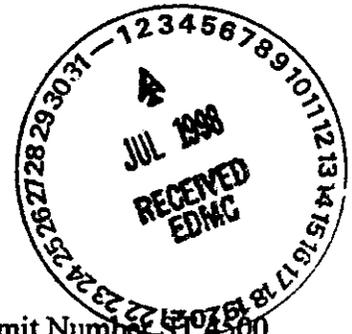
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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

June 10, 1998

Mr. James E. Rasmussen  
U.S. Department of Energy  
P.O. Box 550, MSIN: A5-15  
Richland, WA 99352



Dear Mr. Rasmussen:

Re: New Wastewater Stream Added to State Waste Discharge Permit Number ST 4500

The Washington State Department of Ecology (Ecology) has reviewed the 105-C wastewater characterization study that was submitted by the United States Department of Energy (USDOE) on May 13, 1998. This 105-C wastewater study was intended to fulfill the requirements in Special Condition S3 of State Waste Discharge Permit ST 4500 (permit) and demonstrate that wastewater removed from the 105-C lift station is appropriate to be added to the permit as an approved stream, treated at the 200 Area Effluent Treatment Facility (ETF), and then discharged to the State Approved Land Disposal Site (SALDS). 48603

Ecology has some doubts about the predicted high removal rates for the new constituents of concern, but given the low concentrations and the low volume of wastewater, the predicted greater than 99% removal efficiency may not be necessary to protect the environment. Ecology is therefore satisfied, based on the information provided, that the 105-C wastewater stream can be successfully treated by ETF to meet all permit limits and that ETF treatment would constitute Best Available Technology/All Known, Available, and Reasonable Treatment (BAT/AKART). This determination is based on the certification provided by USDOE that the arochlor 1260 presence did not result from a regulated Toxic Substances Control Act (TSCA) source and that the concentration is below TSCA regulated levels. The approval of this stream should in no way be construed to mean that TSCA regulated streams can be accepted at ETF. Ecology has not made that determination.

Ecology considered adding new analysis requirements to the permit for the new constituents. But, again due to the low initial concentrations and the low volume of wastewater, no new analysis was added. The ETF analyzes enough other parameters to test the efficiency of the process. If additional volumes of wastewater with these same new constituents are added in the future, then new analyses may be added to the permit.

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The addition of the 105-C wastewater stream does not require any modification to the wording in the permit. This letter serves as Ecology authorization to cover this new discharge under the permit. All limitations, conditions, and requirements identified in the permit must be met by the new effluent. USDOE may commence treatment and discharge of the 105-C wastewater stream by ETF upon receipt of this letter.

If you have any further questions, please contact me at (509) 736-3047.

Sincerely,



David S. Dougherty, P.E.  
200 Area ETF Discharge Permit Manager  
Nuclear Waste Program

DD:ch

cc: Roger Gordon, USDOE  
Alex Teimouri, USDOE  
Doug Sherwood, EPA  
William Adair, FDH  
Mary Lou Blazek, ODOE  
Russell Jim, YIN  
Donna Powaukee, NPT  
J. R. Wilkinson, CTUIR  
Administrative Record:  
Liquid Effluents Consent Order

bcc: Steve Skurla, Ecology  
Central Files: WQ/State Waste Discharge Permits/ST4500