



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

August 14, 1997

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



Dear Mr. Rasmussen:

Re: Stream Addition to State Waste Discharge Permit Number ST 4500

The Washington State Department of Ecology (Ecology) has reviewed the West Area Tank Farm's Tank 242-S-302-C wastewater characterization study that was submitted by the United States Department of Energy (USDOE) on July 7, 1997. This West Area Tank Farm study was intended to fulfill the requirements in Special Condition S3 of State Waste Discharge Permit ST 4500 (permit) and demonstrate that wastewater generated during the cleaning of Tank 242-S-302-C 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).

Ecology is satisfied, based on the information provided, that the West Area Tank Farm 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). Ecology therefore approves the treatment and discharge of this West Area Tank Farm stream by ETF under all the terms and conditions of the permit.

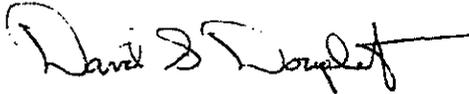
The addition of the West Area Tank Farm stream does not require any modification to the wording in the permit. This letter serves as Ecology authorization to cover this new discharge under the permit. All limitations, conditions, and requirements identified in the permit must be met by the new effluent.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

Ecology's only concern about this wastewater, as with similar wastewater, is that it is described as "20,000 gallons of storm water and residual purge water." The purge water portion is fine, but storm water that is allowed to collect in contaminated tanks and basins is a poor pollution prevention practice. Ecology would prefer that storm water not be allowed to collect in contaminated tanks and basins in the first place. That way the cost of treating and disposing of contaminated storm water could be avoided.

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

Sincerely,

A handwritten signature in black ink, appearing to read "David S. Dougherty". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

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

DD:rb

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