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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

June 30, 1999

Mr. James E. Rasmussen
U.S. Department of Energy
P.O. Box 550, MSIN: A5-15
Richland, Washington 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 *T Plant Tank 241-TX-302C Wastewater Characterization Study* (99-EAP-342) that was submitted by the United States Department of Energy (USDOE) on June 17, 1999. This T Plant Tank wastewater study was intended to fulfill the requirements in Special Condition S3 of State Waste Discharge Permit ST 4500 (Permit) for adding new influent sources to be treated at the 200 Area Effluent Treatment Facility (ETF), and then discharged to the State Approved Land Disposal Site (SALDS). The study proposes that wastewater contained in Tank 241-TX-302C, that resulted from rainwater and snowmelt intrusions into T Plant, is appropriate to be added to the Permit as an approved stream and that any new constituents of concern can be handled by ETF.

Ecology is satisfied, based on the information provided, that the wastewater in the tank 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 new wastewater by ETF.

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The addition of this new stream does not require any modification to the wording in the Permit and this letter serves as Ecology authorization to cover this new discharge under said 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 new 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:ld

cc: Doug R. Sherwood, EPA
Alex E. Teimouri, USDOE
William D. Adair, FDH
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Administrative Record: Liquid Effluents Consent Order