



U.S. Department of Energy  
**Office of River Protection**

0073334

P.O. Box 450, MSIN H6-60  
Richland, Washington 99352

**JUL 20 2007**

07-TOD-068

Ms. Jane A. Hedges, Program Manager  
Nuclear Waste Program  
Washington State  
Department of Ecology  
3100 Port of Benton Blvd.  
Richland, Washington 99354

**RECEIVED**  
JUL 23 2007

**EDMC**

Dear Ms. Hedges:

THE U.S. DEPARTMENT OF ENERGY, OFFICE OF RIVER PROTECTION (ORP)  
REQUEST TO TEMPORARILY SUSPEND TANK LEVEL MONITORING AT CATCH  
TANK 241-A-350

ORP is requesting Washington State Department of Ecology (Ecology) approval to temporarily suspend direct-level reading in Catch Tank 241-A-350 for up to six weeks in order to perform tests related to tank contents. Title 40, Code of Federal Regulations, Section 265.195, as implemented by reference in Washington Administrative Code, Chapter 173-303, Section 400, requires that daily monitoring of the tank be performed.

Catch Tank 241-A-350 was removed from service in June 2005. The tank was stabilized and isolated to meet Hanford Federal Facility Agreement and Consent Order Milestone M-48-07 criteria.

The primary level instrument for Catch Tank 241-A-350 is a "dip tube" system that uses instrument air flowing into the tube inside the tank. The flow of this air is sufficient to prevent buildup of flammable gasses that might be generated within the tank. The material in this tank is mostly rain water from past intrusion into 241-A-A, A-B, AX-A, and AX-B valve pits; therefore, very little or no flammable gas is expected to be generated in this tank. The purpose of this test is to confirm the assumption that the flammable gas accumulation in the tank headspace is not a credible event. During this test, the air supply to the "dip tube" level system will be suspended for four to six weeks and the head space will be routinely monitored for flammable gas buildup.

Catch Tank 241-A-350 is a stainless steel tank, with a capacity of approximately 780 gallons, installed in the tank vault at the 241-A-350 lift station. In addition to the weight factor "dip tube" system, the tank has a high-level alarm system and there is a leak detector installed in the 241-A-350 vault sump that would be available during the test.

To perform this test, a temporary six weeks waiver of the daily monitoring requirement for the tank is requested. A graph of five year level data is enclosed, as verbally requested by Mr. J. J. Lyon of Ecology.

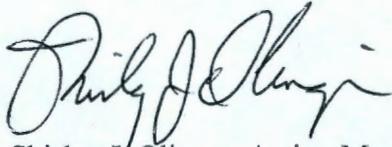
Ms. Jane A. Hedges  
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If you have any questions, you may contact me, or your staff may contact Mark C. Brown,  
Director, Tank Farms Operations Division, (509) 373-9150.

Sincerely,



Shirley J. Olinger, Acting Manager  
Office of River Protection

TOD:AJS

Enclosure

cc w/encl:

S. Harris, CTUIR

J. J. Lyon, Ecology

S. L. Leckband, HAB

G. Bohnee, NPT

K. Niles, ODOE

A. Conklin, WDOH

J. Martell, WDOH

R. Jim, YN

Administrative Record

CH2M HILL Correspondence

Environmental Portal, LMSI

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## Structure A350

