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Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

APR 24 1996

96-EAP-064



Mr. Steve M. Alexander
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West Fourth Avenue
Kennewick, Washington 99336-6018

Dear Mr. Alexander:

ADDENDUM TO THE NOTICE OF INTENT FOR EXPANSION UNDER INTERIM STATUS FOR THE 325 HAZARDOUS WASTE TREATMENT UNITS

Enclosed is an addendum to the Notice of Intent (NOI) for expansion under interim status for the 325 Hazardous Waste Treatment Units (HWTUs). The NOI addendum addresses the need to add treatment and storage capacity at the HWTUs. The increased capacity is needed to support planned throughput for both of the treatment processes covered by the Part A, Form 3 for the HWTUs. The revised capacity needs are based on operating experience gained during the last six months, as both existing sub-units have been fully operational during that period. 42594

The HWTUs are located in the 325 Building, 300 Area. The HWTUs support laboratory operations dealing with radioactive and mixed wastes by treating and/or storing those wastes prior to trans-shipment for ultimate storage or disposal at other Hanford Site facilities. The added capacity will be located in the existing waste management areas of the 325 Building; no new sub-units are being created by this addendum.

The original NOI was submitted by the U.S. Department of Energy, Richland Operations Office (RL) and Pacific Northwest National Laboratory (PNNL) to the State of Washington Department of Ecology (Ecology) on November 27, 1995, as required by Washington Administrative Code (WAC) 173-303-281. WAC 173-303-281 does not specifically address addenda to NOIs which have already been submitted. However, in order to add the needed treatment and storage capacity at the HWTUs and meet the Part A, Form 3 submittal date; it is requested that this addendum be included within the 150 day public review cycle which began on November 27, 1995. A public notification will be placed in the "Tri-City Herald" notifying the public of the addendum to the NOI.

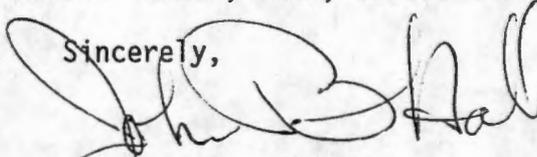
Mr. Steve M. Alexander
96-EAP-064

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If you have any questions regarding the addendum to the NOI, please contact Tony McKarns, RL, on 376-8981 or Harold Tilden, PNNL, on 376-0499.

Sincerely,



James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division

EAP:ACM

Enclosure:
NOI Addendum for the 325 HWTUs

cc w/encl:

Administrative Record (T-3-4)

R. C. Bowman, WHC

G. T. Thornton, PNNL

H. T. Tilden, PNNL

J. J. Wallace, Ecology

The following is an addendum to the *Notice of Intent For Expansion Under Interim Status - Hanford Facility, 325 Hazardous Waste Treatment Units*, that was submitted to the Washington State Department of Ecology on November 27, 1995. Changes to the original NOI are noted in redline/strikeout format.

This addendum addresses the addition of storage capacity for dry and liquid mixed waste in various sized containers within the existing 325 HWTUs, located in the 325 Building, 300 Area. It also adjusts the amount of tank storage and treatment proposed to be added by the original NOI.

2.2 Description of Unit To Be Expanded

Revise the last paragraph of this section to read:

The mixed waste and/or dangerous waste containers in the Hazardous Waste Treatment Unit and Shielded Analytical Laboratory contain characteristic waste, toxic constituents, non-specific source waste, selected waste from specific sources, and state-only (extremely hazardous and dangerous) waste. The additional storage and treatment of containerized waste in the HWTUs will expand the process design capacity for container storage to 10,000 liters at any one time and for treatment within containers to 400 liters per day. The estimated annual quantity of mixed waste and/or dangerous waste stored in containers is approximately 9500 ~~60,000~~ kilograms and for container treatment is 2500 kilograms. No container storage is proposed for the 325 Collection/Loadout Station Tank pit area.

2.3 Description of Tank Storage and Treatment Capacity

Revise the last paragraph of this section to read:

The types of liquid mixed waste stored and treated in the SAL tank and proposed for the 325 Collection/Loadout Station Tank consist of characteristic waste, toxic constituents, non-specific sources consisting of spent halogenated and non-halogenated solvents, and state-only (extremely hazardous and dangerous) waste. The process design capacity of the HWTUs is 12,574 liters for tank storage, and 12,574 liters per day for tank treatment. The annual estimated quantity of liquid mixed waste that will be stored and treated in the SAL tank and the proposed 325 Collection/Loadout Station Tank is approximately 34,06880 ~~000~~ kilograms.

4.0 Justification of Need

Revise the last paragraph to read:

The need for additional capacity for container storage at the 325 HWTUs arises from the possibility of delays in completing laboratory analysis and characterization of mixed waste samples, and potential delays in transferring mixed waste containers to the Hanford Central Waste Complex. The treatment capability supports rendering mixed waste non-hazardous or placing it in a more acceptable physical state for storage elsewhere (e.g. Hanford Central Waste Complex). The ability to store and treat mixed waste for greater than 90 days in the

SAL tank and the proposed 325 Collection/Loadout Station Tank will increase both safety and efficiency of waste management activities at the 325 Hazardous Waste Treatment Units. Because of delays in transferring liquid mixed waste to the Double-Shell Tank System by railcar, caused by waste minimization transfer considerations, and the necessity of minimizing the number of railcar waste transfers, it is necessary to expand the 325 Hazardous Waste Treatment Units liquid mixed waste management activities to include tank storage and treatment.

NOTICE

The U.S. Department of Energy, Richland Operations Office is making public notification that an addendum to the Notice of Intent for expansion under interim status for the 325 Hazardous Waste Treatment Units has been filed with the Washington State Department of Ecology. The Notice of Intent was filed with the Washington State Department of Ecology on November 27, 1995 in accordance with WAC 173-303-281. The addendum to the Notice of Intent addresses the addition of storage and treatment capacity for dry and liquid mixed waste in various sized containers in the 325 HWTUs, and adjusts the tank storage and treatment capacity proposed in the original NOI. The 325 HWTUs are located in the 325 Building, 300 Area of the Hanford Facility and manages wastes generated from laboratory operations. A copy of the addendum to the Notice of Intent is available in the U.S. Department of Energy, Richland Operations Office, Public Reading Room, located at Washington State University, Room 130, 100 Sprout Road, Richland, WA 99352 (Hours M-F, 8-12 and 1-4:30) or may be obtained by contacting the Office of Communications, DOE-RL, P.O. Box 550, Richland, WA 99352, (509) 376-7501.