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Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

OCT 2 1989

Mr. Roger Stanley, Program Manager
State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

Dear Mr. Stanley:

ACUTE ORAL RAT TOXICITY TESTING OF SIMULATED HIGH LEVEL SLURRY

Your September 25, 1989, letter to Mr. R. D. Freeberg, U. S. Department of Energy, Richland Operations Office (DOE-RL), indicated that grouted PW7A waste is not regulated as dangerous waste, and is suitable for disposal at the Hanford central landfill. Your letter also stated that before the PW0 grouted waste can be redesignated as non-hazardous, it must pass the acute oral rat toxicity test specified in WAC 173-303-110(3)(b)(ii). In the recent October 3, 1989, Unit Manager Meeting, Ecology requested that the proposed testing plan to comply with the required acute toxicity testing be submitted to Ecology for review. The proposed plan, which has been previously discussed with Mr. M. T. Gordon of your staff on October 12, 1989, is attached. 39738

As soon as concurrence is received from Ecology, the required procurement action will be initiated. The results of the acute oral rat toxicity testing are expected to be available approximately one month after a contract has been placed and will be provided to Ecology.

Should you have any questions, please contact Mr. D. L. Duncan, U.S. Department of Energy, Richland Operations Office, on (509) 376-9333 or Mr. H. W. Slater of Pacific Northwest Laboratory on (509) 376-0575.

Sincerely,

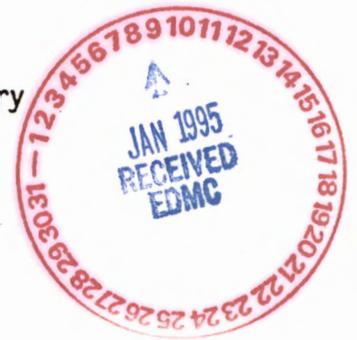
R. D. Izatt
R. D. Izatt, Director
Environmental Restoration Division
U.S. Department of Energy
Richland Operations Office

ERD:DL D

T. D. Chikalla
T. D. Chikalla, Director
Facilities and Operations
Pacific Northwest Laboratory

Attachment

cc w/att:
P. T. Day, EPA
M. T. Gordon, Ecology



ATTACHMENT

PROPOSED STATEMENT OF WORK TO PERFORM ACUTE ORAL RAT TOXICITY TESTING
ON GROUTED PWO SIMULATED HIGH LEVEL WASTE SLURRY

1. Two composite samples will be prepared from 6 archive PWO grout samples as follows:
 - o One composite sample will be prepared from grout samples Nos. 7, 42, and 144.
 - o One composite sample will be prepared from grout samples Nos. 75, 87, 104.

The original six samples were taken at the time of treatment and should accurately represent the current conditions of the grouted material. It is felt that the two composite samples will satisfactorily address any variability that may be present in the material to be tested.

2. The material to be tested will be sized to permit dosing by gavage per "Biological Testing Methods No. WDOE 80-12, Revised 1981".
3. Testing will be conducted at both the 500 mg/kg and 5000 mg/kg of rat body weight for each of the two samples to establish if the material exhibits either extremely hazardous or dangerous waste characteristics.
4. The Statement of Work will contain appropriate Quality Assurance provisions to assure that the work is performed in a controlled manner.