

Christine O. Gregoire

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Director

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STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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November 3, 1988

Mr. R.D. Izatt, Director  
Environmental Restoration Division  
U.S. Department of Energy  
P.O. Box 550  
Richland, WA 99352

Mr. T.D. Chikalla, Director  
Facilities and Operations  
Pacific Northwest Laboratory  
P.O. Box 999  
Richland, WA 99352



Dear Messrs. Izatt and Chikalla:

Please note the following in response to your July 25, 1988 letter concerning "STRATEGY AND SCHEDULE FOR TREATMENT OF SIMULATED HIGH LEVEL SLURRY."

The treatment you described calls for neutralization and solidification of 20,000 gallons of corrosive and EP Toxic waste. Your letter estimates a completion date for the treatment process in early September, 1988. One result of this process may be the redesignation of the solidified material as a non-dangerous waste.

It is the policy of the Department of Ecology to encourage treatment methods which permanently reduce the volume, toxicity and mobility of hazardous waste and hazardous constituents. To verify that treatment of the simulated high level slurry meets these treatment goals, I am requesting the following:

1. that USDOE/PNL submit the results of the laboratory analyses leading to designation of the solidified waste. This must include a description of sampling and analytical procedures, complete constituent data, as well as results of the EP Toxicity, bioassay, and compressive strength tests.
2. that USDOE/PNL submit a description of the effects of treatment on the waste volume (the dilution factor), and on the toxicity and solubility of the hazardous constituents in the slurry.

Messrs. R.D. Izatt and T.D. Chikalla

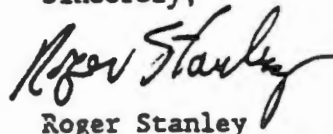
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3. that USDOE/PNL submit a demonstration of the long term stability of the grouted waste. This demonstration must show that the mobility of heavy metals and other hazardous constituents is reduced to the extent achievable using the best available technology.
4. that USDOE/PNL submit a demonstration that other, more effective treatment methods are not available. This should include a description of alternatives to solidification, and why they were not chosen.
5. that USDOE/PNL specify the disposal site intended for the grouted waste.

Submittal of this information and receipt of approval from Ecology must precede final disposal of the waste. If you have any questions concerning this matter, please contact Mike Gordon at (206)438-7024.

Sincerely,



Roger Stanley  
Hanford Project Manager

RS/MTG:kc

cc: Paul Day (EPA)