

LTR DOE/REQUEST GLASS

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AUG 21 1990

Mr. Ralph Stein, Associate Director  
for Systems Integration and Regulations  
Office of Civilian Radioactive Waste Management  
U.S. Department of Energy RW-30  
Washington, D.C. 20585

Dear Mr. Stein:

SUBJECT: REQUEST FOR SAMPLES OF SIMULATED HIGH-LEVEL WASTE GLASS

The U.S. Nuclear Regulatory Commission (NRC) through the Center for Nuclear Waste Regulatory Analyses plans to conduct a number of independent research activities in the near future in the areas of waste form and waste package container materials. In order to proceed with this research, NRC has need of samples of simulated high-level waste glass produced by the U.S. Department of Energy (DOE) through its research and testing activities at the West Valley Demonstration Project and the Defense Waste Processing Facility. The details of the specific tests to be conducted are not available at this time. However, at a minimum, we would expect these tests to include leach tests in various kinds of media, accelerated testing of ground glass samples, etc.

Therefore, in order to perform the necessary tests, it is requested that DOE provide approximately 15 pounds of simulated glass waste for each of the representative waste forms to be produced at the two vitrification facilities along with pertinent information regarding the history and/or testing of the glass samples themselves (e.g., types and compositions of glass formers, make-up of simulated waste stream, etc.). Mr. Paul T. Prestholt, NRC's On-Site Representative for the Yucca Mountain site, is available to discuss with personnel of the Yucca Mountain Project the details for receipt of the samples.

If you have any questions regarding this request, please contact Michael P. Lee at FTS 492-0421 or 301/492-0421.

Sincerely,

John J. Linehan, Director  
Repository Licensing and Quality  
Assurance Project Directorate  
Division of High-Level Waste Management  
Office of Nuclear Material Safety and  
Safeguards

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cc: R. Loux, State of Nevada  
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M. Baughman, Lincoln County, NV  
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