

JUL 11 1983

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Dr. Goetz K. Oertel, Director
 Office of Defense Waste and
 By-Products Management, DP-12
 U. S. Department of Energy
 Washington, DC 20545

Dear Dr. Oertel:

This is to confirm discussions between E. A. Wick of NRC and Ray Walton of your staff in which NRC requested a one day meeting with the appropriate Savannah River Laboratory personnel on July 20 or 21, 1983. The purpose of the meeting is for NRC to become familiar with the current status of the Long Term Technology Program for High Level Defense Waste.

We would prefer to discuss certain subjects rather than receive briefings or presentations. The subjects we would like to discuss are:

1. Tests to support analyses of releases in each repository environment.
2. Parameters which, based on SRL's glass melting experience, affect characteristics of the glass. For example, characteristics of interest to us would be the phases that are present in the glass and the correlation between iron content and spinell formation (i.e., how is iron content controlled to prevent spinel formation?). Another example is the presence of thorium as a crystalline phase and how the level of the crystalline phase is controlled.
3. Interface reactions between the glass and the canister as a result of molten glass being poured into the canister. For example, has evidence of chromium diffusion from the canister into the glass been observed?
4. The reliability of the data that SRL presents.

Our group will consist of E. A. Wick and myself of the NRC and perhaps two contractor personnel from Brookhaven National Laboratory.

Sincerely,

Original Signed By:

F. Robert Cook
 High-Level Waste Licensing
 Management Branch
 Division of Waste Management

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