



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

JUN 13 2012

Mr. Larry Camper, Director
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike, Mail Stop T8F5
Rockville, MD 20852-2738

Dear Mr. Camper:

SUBJECT: Transmittal of Updated Saltstone Disposal Facility (SDF) Information Developed Since August 2011

- References:
1. Technical Evaluation Report for the 2009 Performance Assessment for the Saltstone Disposal Facility at the Savannah River Site (Letter, Camper to Gilbertson, 4/30/12)
 2. Letter of Concern (Type IV) Regarding U.S. Department of Energy Disposal Activities at the Savannah River Site Saltstone Disposal Facility (Letter, Satorius to Gilbertson, 4/30/2012)
 3. Responses to Second Request for Additional Information (RAI) on the 2009 Performance Assessment for the Saltstone Disposal Facility at the Savannah River Site (Letter, Gutmann to Persinko, 8/26/11)

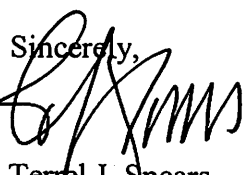
As a partial, early response to Reference 1, the enclosed digital video disc (DVD) contains information developed since DOE transmitted Reference 3. The enclosure contains the following files:

- *Saltstone Disposal Facility Stochastic Fate and Transport Model* (SRR-CWDA-2011-00178), Revision 0, dated January 2012
- *Uncertainty and Sensitivity Analyses for Saltstone Disposal Facility Performance Assessment Case A and Alternative Sensitivity Case K* (SRR-CWDA-2011-00188), Revision 0, dated January 2012
- *Revised Methodology for Determination of Inventories in SDF Vaults 1 and 4 through 9/30/2011* (SRR-CWDA-2012-00002), Revision 0, dated January 2012
- *Savannah River Site Liquid Waste Facilities Performance Assessment Maintenance Program, FY2012 Implementation Plan* (SRR-CWDA-2012-00020), Revision 0, dated March 2012
- *Technitium Sorption by Cementitious Materials Under Reducing Conditions* (SRNL-STI-2011-00716), Revision 0, dated January 2012
- *Full Scale Testing of the Formed-Core Sampler for Saltstone Facility Vaults* (SRML-STI-2011-00706), Revision 0 dated December 2011
- A folder containing Goldsim probabilistic modeling files.

Six copies of the enclosed DVD have been provided to Nishka Devaser, of your staff through distribution of this letter.

Please note that DOE anticipates submittal of a response to References 1 and 2 by the end of next month. The response will identify DOE's planned approach and path forward to fully address Reference 1, the Technical Evaluation Report. The response will also provide a sensitivity analyses and supporting documentation that will address Reference 2 in the near term. The sensitivity analyses will further demonstrate compliance with the performance objective in 10 CFR 61.41 concerning public doses, for disposal operations planned during fiscal years 2012 through 2015 in Saltstone Disposal Units 2, 3, and 5. DOE also will describe additional activities to further demonstrate compliance with the performance objective for all disposal actions planned at SDF beyond FY 2015. DOE looks forward to continuing discussion with NRC pertaining to SDF operations and is scheduling a public meeting on August 8, 2012 in Aiken, SC to explain the response and receive any initial feedback from NRC.

If you have any questions regarding this letter, please call me at (803) 208-6072, Ms. Sherri Ross at (803) 208-6078, or Ms. Patricia Suggs at (803) 208-6804.

Sincerely,

Terrel J. Spears
Assistant Manager

Waste Disposition Project

WDPD-12-52

Enclosure:
DVD – SDF Additional Information
for Transmittal to NRC

cc w/ Enclosure:
Nishka Devaser, NRC (6 copies of Enclosure)
Shelly Wilson, SCDHEC (Enclosure)