



C. Earl Hunter, Commissioner

*Promoting and protecting the health of the public and the environment.*

October 5, 2010

Ms. P.M. Allen, Manager  
Environmental, Safety, Health, Quality Assurance,  
and Contractor Assurance  
Savannah River Remediation, LLC  
Building 730-4B  
Savannah River Site  
Aiken, SC 29808

**RE: Saltstone Disposal Facility Grout Sampling  
Z-Area Saltstone Disposal Facility Class 3 Landfill  
Permit # 025500-1603  
Aiken County**

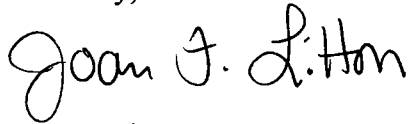
Reference: 1. *Saltstone Disposal Facility Grout Sampling*, SRR-ESH-2010-00030, 8/6/2010;  
2. Modified Permit for the Savannah River Site (SRS) Z-Area Saltstone Disposal Facility, Facility ID No. 025500-1603, Aiken County, 9/9/2008;  
3. *Saltstone Grout Sampling*, ESH-EPG-2004-00318, 12/7/2004.

Dear Ms. Allen:

The Department has reviewed your submittal (Reference 1) informing the Department of the planned installation of two 60,000 gallon Salt Solution Receipt Tanks (SSRTs) at the Saltstone Processing Facility to replace Tank 50H as the salt solution feed batch preparation tanks for saltstone production. Additionally, you have requested to modify the existing saltstone sampling and analysis plan (Reference 3) by changing the sampling point for salt solution from Tank 50H to the two SSRTs. As Reference 3 is cited in Condition B.1.g. of the current permit (Reference 2), a minor permit modification is required. The Department does not consider your submittal an appendix to the existing sampling and analysis plan. The Department hereby requests a revised sampling and analysis plan that describes in detail how sampling will be conducted for the two SSRTs to obtain representative samples of salt solution, degree to which material balances are/will be relied on to estimate salt solution feed batch composition between quarterly sampling events, and a description of how salt solution is mixed with cement, fly ash and slag in the laboratory to create surrogate saltstone samples for TCLP analysis.

Should you have any questions regarding this letter, please feel free to contact me at (803) 896-4264. Specific questions regarding an acceptable Sampling and Analysis Plan should be directed to Steve Burdick, Manager of the Waste Assessment Section of the Division of Waste Assessment and Emergency Response, at (803) 896-4120.

Sincerely,

A handwritten signature in black ink that reads "Joan F. Litton". The signature is written in a cursive, flowing style.

Joan F. Litton, Manager  
Solid Waste Permitting Section  
Division of Mining and Solid Waste Management  
Bureau of Land and Waste Management

JFL/JMM/jmm

cc: Steve Burdick, Manager – BLWM, Waste Assessment Section  
Keith Collinsworth, P.G., Manager – BLWM, Solid Waste Groundwater Section  
Marty Lindler, Manager – BLWM, Solid and Hazardous Waste Compliance Section  
Keith Liner – SRR, LLC  
Jason Shirley – BES, Region 5 EQC, Aiken  
Bureau File # 999999