



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

MAY 22 2012

Mr. L. Dave Olson  
President and Project Manager  
Savannah River Remediation, LLC  
Building 766-H, Room 2407  
Aiken, South Carolina 29808

Dear Mr. Olson:

SUBJECT: Disposal Authorization Statement for the Savannah River Site Saltstone Disposal Facility

The Department of Energy has issued a revised Disposal Authorization Statement (DAS) for the Savannah River Site Saltstone Disposal Facility (SDF), and authorizes the required start-up testing excluding disposition of Tank 50 waste to SDU #2. With issuance of the Enclosure, DOE approves the *Performance Assessment for the Saltstone Disposal Facility at the Savannah River Site*, Revision 0, dated October 2009 considering the additional information as described in Attachments 1 and 2 of the Enclosure. In accordance with DOE Order 425.1D, Verification of Readiness to Start Up or Restart Nuclear Facilities, a finding for responding to the Nuclear Regulatory Commission (NRC) April 30, 2012 Letter of Concern and Technical Evaluation Report is hereby identified. This finding will have pre-start corrective actions to include providing additional information, a sensitivity analysis, and a matrix describing the approach DOE will take to address NRC comments. The additional information shall include the revised Goldsim probabilistic model, probabilistic analysis of Case A and Case K; technetium 99  $K_d$  testing results to date; projected Tc-99 curies to SDF SDU 2, 3, and 5; and status of SDF emplaced sampling activities. The sensitivity analysis shall be performed for case K utilizing the latest Tc-99  $K_d$  testing and inventory projections for SDUs 2, 3, and 5. Attachment 2 of the Enclosure is the revised DAS. Please proceed under the requirements of DOE Order 435.1 and associated Manual and Guide to implement the revised DAS.

The action taken herein is considered to be within the scope of the existing Contract and does not authorize the Contractor to incur any additional costs or delay delivery to the Government. If the Contractor considers that carrying out this action will increase contract costs, delay any delivery, or require the submission of a baseline change proposal, the Contractor shall not implement this technical direction and shall promptly notify the Contracting Officer's Representative orally, confirming and explaining the notification in writing to the Contracting Officer within five (5) working days. Following submission of the written impact analysis, the Contractor shall await further direction from the Contracting Officer. If the Contractor accepts the direction contained herein, then the Contractor waives any right to an equitable adjustment under the Contract arising from the technical direction.

If you have any questions, please contact me or have your staff contact Sherri Ross at 208-6078 or Patricia Suggs at 208-6804.

Sincerely,

A handwritten signature in dark ink, appearing to read "James L. Folk, Jr.", is written over a horizontal line.

James L. Folk, Jr.  
Contracting Officer Representative

WDPD-12-49

MAY 22 2012

Enclosure:

Memo, Gilbertson to Spears

cc:

J. R. Giusti, OEA, 730-B

R. W. Blackmon, SRR, 766-H

K. B. Burnau, SRR, 766-H

J. E. Dickenson, SRR, 766-H

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