



April 28, 2022

ENVIRONMENTAL COMPLIANCE &

APR 28 2022

Mr. Joel Cantrell, Director  
Environment, Safety, Health, and Quality  
Savannah River Mission Completion, LLC  
Savannah River Site  
Aiken, South Carolina 29808

AREA COMPLETION PROJECTS

Re: 2021 Annual Groundwater Monitoring Report for the F- and H-Area Radioactive Liquid Waste Tank Farms (U), SEMS Numbers: 23 & 89 (SRNS-RP-2022-00076, Revision 0, March 2022) received March 24, 2022, electronically.

Dear Mr. Cantrell:

The Department has completed its review of the above referenced document pursuant to the Savannah River Site Federal Facility Agreement. The attached comments were generated as a result of this review. These comments must be addressed prior to final approval of the above referenced document. As specified in Section XXII, Review/Comment on Documents, the appropriate technical staff will be available to participate in a joint DOE/EPA/DHEC comment resolution meeting to discuss these comments, if necessary.

To schedule a meeting to resolve the attached comments or to obtain further information, please contact me at (803) 898-4331.

Sincerely,

Susan B. Fulmer, P.G., Manager  
Federal Remediation Section  
Division of Site Assessment, Remediation, Revitalization  
Bureau of Land and Waste Management

cc: C. L. Bergren, SRNS-ACP (Signed Original)  
Travis Fuss, Aiken Environmental Affairs Office (via email)  
Jon Richards, EPA Region IV  
Heather Cathcart, BLWM

**South Carolina Department of Health and Environmental Control Comments on:**  
2021 Annual Groundwater Monitoring Report  
for the F- and H-Area Radioactive Liquid Waste Tank Farms (U),  
SEMS Numbers: 23 & 89 (SRNS-RP-2022-00076, Revision 0, March 2022)  
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Page 1 of 1

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General Comment

1. In the legend for Figures 4, 6 - 8, 12 - 14 and 16, a symbol for "Current Tank Grouting" is noted. This symbol is not applicable to this report since no grouting of tanks occurred in CY2021 in the tank farm; however, it will be beneficial in future reports when grouting does occur. Rather than removing the symbol from the legend, a statement should be made in the document stating that no grouting occurred during the calendar year.

Specific Comment

1. Section 2.0, Setting, page 2, 1<sup>st</sup> paragraph, 3<sup>rd</sup> sentence. Aquifer is incorrectly spelled. Please correct.
2. Section 4.0, Groundwater Monitoring at H-Area Tank Farm, page 9, Cadmium and Chromium, 2<sup>nd</sup> sentence. If cadmium results were non-detect in 97 out of 100 samples, would there not be three remaining wells as opposed to five? Please clarify.
3. Figures 4 - 8, 10, 12 - 14 and 16. Please add legend symbols and descriptions for the grayish-colored shading located within, and sometimes contiguous to, the borders of the "F-Area Tank Farm" and the "H-Area Tank Farm".
4. Figure 8, Nonvolatile Beta Results (pCi/L) for FTF in 2021, page 21. Please add a legend symbol and description for the red dashed lines.
5. Figure 16, 2021 Tritium Results (pCi/mL) for the UTRA at the HTF, page 29. Please add a legend symbol and description for the lavender-colored shading and clarify the significance of the "Tritium - 20 pCi/ml" (red text overlay) located within that shading.