



May 9, 2019

Brian T. Hennessey  
SRS Remedial Project Manager  
Area Completion Project  
U. S. Department of Energy  
Savannah River Operations Office  
P. O. Box A  
Aiken, South Carolina 29802

**RE: Facility Decommissioning Evaluation (FDE): Sewage Treatment Plant, Building 607-1F (G-FDE-F-00063), Revision 0, April 1, 2019 (Cover letter dated April 9, 2019); VZCOMML Contaminant Fate & Transport Modeling (ERD-EN-2019-0002, January 31, 2019) and Human Health Risk Evaluation for the 607-1F Sewage Treatment Plant (SDD-2019-00012, February 26, 2019)**

Dear Mr. Hennessey:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the referenced documents with respect to the Memorandum of Agreement for Achieving an Accelerated Cleanup Vision for the Savannah River Site (SRS). Based upon the information provided, SCDHEC concurs with the use of the Integrated Sampling Model for decommissioning this facility and requests a response to the Department's comments prior to commencement of any D&D activities.

If you have any questions, please contact Leigh Beatty at 803-642-1637 or via e-mail at [beattykl@dhec.sc.gov](mailto:beattykl@dhec.sc.gov).

Sincerely,

A handwritten signature in dark ink that reads "Gregory N. O'Quinn".

Gregory N. O'Quinn  
SC Department of Health and Environmental Control  
Midlands EA – Aiken

G-FDE-F-00063

cc: Travis Fuss, SCDHEC, Midlands EA  
Susan Fulmer, SCDHEC, BLWM  
Jon Richards, EPA Region IV  
Chris Bergren, SRNS-ACP (signed original)

Facility Decommissioning Evaluation (FDE): Sewage Treatment Plant, Building 607-1F (G-FDE-F-00063), Revision 0, April 1, 2019 (Cover letter dated April 9, 2019); VZCOMML Contaminant Fate & Transport Modeling (ERD-EN-2019-0002, January 31, 2019) and Human Health Risk Evaluation for the 607-1F Sewage Treatment Plant (SDD-2019-00012, February 26, 2019)

1. FDE Page 12, sentence above the last paragraph. "Integrated Simple Model" should be changed to "Integrated Sampling Model".
2. FDE Page 13, last paragraph. The FDE doesn't mention any existing building concrete slab that is intended to be left in place; therefore it is assumed that the concrete slab mentioned here is the final reinforced concrete cap slab to cover all below-grade areas. This should be made clear. Regardless of whether it is referring to the new reinforced concrete cap slab or an existing concrete slab intended to be left in place, the visual inspection should also verify that there are no cracks or gaps, and should address this issue if discovered.
3. FDE Page 17. Please submit Reference #13, *Project Results Report, 607-1F Sediment Rad Data* and Reference #14, *Sample and Analysis Plan 607-1F Sewage Treatment Plant*.
4. Human Health Risk Evaluation Page 3, Table 1. For clarification, please explain how the values in the Result column were obtained. In specific, were the values from the analyses performed on one composite sample from combined media from two sampling events (References #11 and #12)?
5. VZCOMML Contaminant Fate and Transport Modeling, Page 8. The second bullet addressing Layer 5 states that the water table is 56 ft bgs; it should be 66 ft bgs instead.
6. VZCOMML Contaminant Fate and Transport Modeling, Attachments C and D. 1,2-Dichloroethane is listed as a detected compound from the 2018 basin sludge composite sampling effort in Table 1, but is not included in the SVOC tables for these attachments. Please include.
7. FDE. The document does not state that this facility will be placed on FFA Appendix C.4, as is protocol for Integrated Sampling Models. Please address.