



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

August 30, 2020

Mr. Brian Hennessey, 730-B
SRS Remedial Project Manager
Savannah River Operations Office
Area Completion Projects
Post Office Box A
Aiken, South Carolina 29802



Dear Mr. Hennessey:

The U.S. Environmental Protection Agency (EPA) has reviewed the DOE-SRS Facility Decommissioning Evaluations (FDEs) for Building 483-7D, D-Area Domestic Water Production Facilities, Dated June 11, 2020.

EPA conditionally concurs on the simple model for the above mentioned FDE, pending DOE-SRS responses to EPA comments. Should you have any questions or concerns, please feel free to call me at on my cell number 404-229-9500.

Sincerely,

A handwritten signature in black ink that reads "Diedre Lloyd".

Diedre Lloyd
Remedial Project Manager
Restoration & Sustainability Branch
Superfund Emergency & Management Division

cc: Angelia Holmes, DOE-SRS, Brian Hennessey, DOE-SRS, Phil Prater, DOE-SRS, Karen Adams, DOE-SRS, Chris Bergren, SRNS-ACP (Signed Original), Susan Fulmer, SCDHEC

EPA COMMENTS on the
FACILITY DECOMMISSIONING EVALUATIONS FOR
BUILDING 483-7D, D-AREA DOMESTIC WATER PRODUCTION FACILITIES
DATED JUNE 11, 2020

D-Area Operable Unit
SAVANNAH RIVER SITE
AIKEN, SOUTH CAROLINA

EPA GENERAL COMMENTS:

- 1) Please notify the D Area core team member (Diedre Lloyd) via email or phone if, during decommissioning of a Simple Model facility, some condition is identified that may contradict the Simple Model assumptions.
- 2) Please provide one figure that depicts the relationship between the 8 buildings and their ancillary structures. This figure should also include all previously approved FDEs buildings and ancillary structures.
- 3) Please inform EPA/SCDHEC upon property disposition to the SRS Community Reuse Organization (SRS CRO) from all DAOU FDEs via letter.
 - a. Please included a brief, estimated timeline and items (property disposition) in the letter.
- 4) Please provide further detail that explains how the electrical services have been isolated/properly abandoned prior to facility decommissioning activities. Please include information for electrical services (examples: Electrical air switches, Electrical transformers, 2 Domestic Water Well electrical control panels, electrical control and power panel for clear well, 2 dry transformers,
- 5) Please include the asbestos survey in this FDE which identified presumed asbestos containing materials (PACM).

EPA SPECIFIC COMMENTS:

- 6) **Part 1. Project Scope:** Please include well construction details for the Primary Domestic Water Well (905-3D, TD of 740 feet) and the Back-up Domestic Water Well (905-136D, TD of 765 feet).
 - a. The report outlines that each of these 2 wells will be kept in service. Please include information as to the future utilization of these wells.
 - b. The report doesn't mention the disposition of the 2 yard hydrants. Please include information as to the future utilization of these 2 yard hydrants.
 - c. The report doesn't mention the disposition of the 125,000 gallon elevated storage tank (905-5D). Please include information as to the future utilization of this structure and the associated tank drain.
- 7) **Part 1. Project Scope:** The proposed decommissioning end-state for below grade structures of the D Area Domestic Production Facilities is to fill to grade with gravel/crusher run/grout or controlled low strength material.
 - a. Please outline which method will be utilized for each below grade structure and briefly outline the determining factors that were utilized for final decision.
 - i. The Clear Well facility – 6,200 gallons capacity (20' x 20' x 15'8")

- ii. Water meter pit and associated pre-cast 3' square concrete box below grade that are 4 feet deep.
- iii. Polyphosphate injector structure and associated pre-cast 3' square concrete box below grade that are 4 feet deep.
- iv. Chlorine injector structure and associated pre-cast 3' square concrete box below grade that are 4 feet deep.
- v. Check valve and water meter structures and associated pre-cast 3' square concrete box below grade that are 4 feet deep.

8) Facility Description: This section needs to include the information in Part 2. Evaluation, Clean Facilities, Question 1 in the Justification Column.

- a. Specifically, the information in the justification column needs to be included in this part of the report for clarification and understanding of the chemicals/processes utilized during Building 483-7D historical usage.

9) Building 483-7D Sump:

- a. Please provide pictures of the below grade sump area for Building 483-7D.
- b. Has this sump been inspected/cleaned?
- c. Does this sump contain gravel/sand, etc at the bottom?
- d. Are there conduits leading from this sump to the discharge location (483-6D) Surge Basin?
 - i. If so, please include language in the FDE that outlines the final disposition of the these discharge outlets/trenches.

10) Figure 2, Building 483-7D Layout:

- a. Please explain the designation WC used in this Figure.
- b. There are 8 floor drains, 3 open hub drains and several noted drainage/waste/vents on this Figure, do all drains/trenches lead to the sump?
 - i. If so, please either redraw the figure to demonstrate this or include language in the FDE that explains the drainage destination for all depicted/delineated drainage/waste/vents.
- c. Please include information within the FDE or modify Figure to depict if the Sodium Hypochlorite, Polyphosphate, Soda Ash and Potassium Permanganate Tanks/Pumps have any associated above or below grade plumbing.
 - i. Please include any associated piping's final disposition for either above or below grade plumbing that may be present.