Clean Closed (CC) Facilities' questions:

1. Did these sites complete clean closure or are they still in the process of seeking to clean close?
   Answer: The four units listed above all received a clean closure determination as indicated by the RCRA Info Effective Dates. However, they are all on active ranges which are currently still in use for various operations. After adoption of the Military Munitions Rule, both facilities determined that the permitted units were no longer necessary and that range activities / clearance would be performed under the MMR exemptions from RCRA.

2. Did the state officially certify/approve the unit(s) Clean Closed (CC)?
   Answer: The four units listed above all received a clean closure determination as indicated by the RCRA Info Effective Dates. The three units at USAF Poinsett ECR were granted clean closure, however there was groundwater contamination present. The USAF and the State entered into a Consent Agreement in 2005 to address groundwater contamination and other SWMUs at the facility. The IS units were originally identified as SWMUs 3 -5 and 7-9, but when those units were granted clean closure, the groundwater contamination was defined as AOC A in the Consent Order. Groundwater monitoring / assessment is ongoing.

3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation?
   Answer:
   USATC & Ft. Jackson – The unit received IS however was never used and the base decided to clean close rather than attempt to get the unit permitted.
   USAF Poinsett ECR – The four units were used during range clearance to render dud munitions safe and occasionally for detonation related to emergency responses by the SAFB EOD team. The IS units are surrounded by several active ranges and range clearance for those ranges was conducted periodically through the year (typically only once or twice per year because the range had to be shut down). This consisted of identification collection of undetonated munitions which were moved to the IS area for treatment. Per the closure report, the maximum waste inventory for the OB/OF treatment unit is equivalent to the maximum amount of waste that could be treated in one day - 500 lb Net Explosive Weight (NEW).

4. Was it OB or OD or both?
   Answer:
   USATC & Ft. Jackson – OB/OD
   USAF Poinsett ECR – Both (different units)

5. What sampling procedures were used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)?
   Answer: At USAF Poinsett ECR, as part of the range clearance activities at the IS unit included detonation / burning, then physical removal of any remaining scrap which was disposed of at 2 landfills (SWMUs 1 and 2) at the facility. During closure a visual inspection and certification by a PE was completed. Scrap metal was collected and recycled. For the land based units soil and groundwater samples were collected. The non land based units were rinsed and sampled. IDW from the closure (soils, purge water, and rinse water) were containerized and properly disposed of.

6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)?
   Answer: Yes

7. What clean-up procedures and techniques were used to clean up the contaminants (e.g., excavation, soil sifting)?
   Answer: See answer to #5

8. What data was recorded and metrics used to evaluate the extent and levels of contamination?
   Answer: See answer to #5

9. What criteria was used to certify clean closure (e.g., EPA action levels)?
   Answer: EPA MCLs and RSLs

10. What was the total cost to achieve Clean Closed (CC) status?

    Answer: Unknown

We plan to have a contractor gather this information on a select number of sites from the states. The purpose of this current effort is to gather information on the status of cleanup at these sites to help us identify which sites have the best information for our contractor to follow up with. Thus, for this effort, we seek answers to questions 1-4 and the last question in each set, and for the remaining questions we seek whether or not good information exists to answer these questions. We hope to receive this information by **July 31st**. Thank you for taking time to assist us with this project. If you have any questions, please feel free to reach out to us. Any information that you may be able to provide will be helpful in our project.