

Joseph Burch

From: ADAMS, KAREN
Sent: Monday, June 25, 2018 11:33 AM
To: fulmersb@dhec.sc.gov; Cathcahe (dhec.sc.gov)
Cc: HENNESSEY, BRIAN; Bob Aylward; Lloyd, Diedre; Robert Backer; Joseph Burch; Thelesia Oliver; Frank Sappington; Susan Bell; ADAMS, KAREN
Subject: 488-1D North Inlet Basin Irrigation Option

The Savannah River Site (SRS) requests South Carolina Department of Health and Environmental Control's (SCDHEC) concurrence to continue the utilization of the 488-1D Inlet Basin accumulated storm water for the irrigation of the 488-4D Ash Landfill and 488-D Ash Basin covers through August 31, 2018 in support of the 488-1D Ash Basin Removal Action. SCDHEC previously provided approval for SRS to proceed with irrigation from the 488-1D Ash Basin through June 30, 2018. The irrigation provides a risk contingency in the event of unforeseen weather events that could impact the completion of the D-Area Ash Project. The installation of the 488-1D Ash Basin geomembrane drainage layer (LLDPE) was completed in late June resulting in a substantial decrease of new storm water accumulating into the North Inlet Basin. Excavation, dewatering and removal of the residual ash has commenced within the North Inlet Basin. Collection of confirmation samples will immediately follow and is expected to be completed by mid-July.

As previously agreed, a portable pump along with transport pipes and sprinkler heads will continue to be used and operated to provide enough pressure head to deliver the water to the application zones. Irrigation controls are as follows:

- Irrigation is limited to the top of the grassed caps; no side slope irrigation is allowed.
- During operation, the site will be monitored for runoff. There will be no visible water runoff from the wetted area resulting from the irrigation system; application rates will be modified as necessary to ensure no runoff.
- Irrigation and rainfall will be monitored in the application area with rain gauge(s) to ensure that 2 days of rest is maintained to prohibit over saturation of the cover system.

Please review this request and provide your approval by June 30, 2018.

Let me know if you have any questions.

Thanks!
Karen A
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