

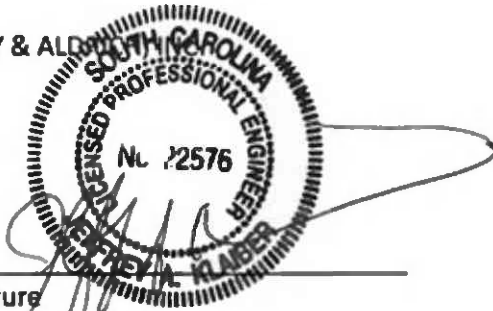
SANTEE COOPER
CROSS GENERATING STATION BOTTOM ASH POND
GROUNDWATER MONITORING SYSTEM CERTIFICATION

Santee Cooper operates the existing coal combustion residuals (CCR) management unit referred to as the Bottom Ash Pond at Cross Generating Station located in Pineville, South Carolina. This CCR unit is considered subject to the CCR Rule since it was active as of the effective date of the CCR Rule. This document addresses the requirements of §257.91 *Groundwater Monitoring Systems*, specifically section §257.91(f), of the US Environmental Protection Agency's (EPA's) Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities, 40 CFR Part 257 (CCR Rule) effective 19 October 2015. This document serves as certification that the Bottom Ash Pond groundwater monitoring system has been designed and constructed to meet the requirements of §257.91. This certification has been prepared based in part upon information made accessible by Santee Cooper pursuant to §257.91(b) and (e)(1), including a detailed hydrogeologic study conducted by Garrett & Moore in March 2012.

The groundwater monitoring system at the Bottom Ash Pond exceeds the minimum requirement for one upgradient and three downgradient monitoring wells pursuant to §257.91(c). The actual number of wells used in the groundwater monitoring system for the Bottom Ash Pond includes two upgradient and five downgradient wells. This number of wells is sufficient and appropriate to characterize the quality of groundwater in the uppermost aquifer from background groundwater not affected by leakage from the CCR unit and groundwater passing the waste boundary of the Bottom Ash Pond based on site-specific conditions. The groundwater monitoring system was designed under my direction and constructed by a South Carolina certified well driller to monitor the uppermost aquifer at the Bottom Ash Pond.

Pursuant to CFR Title 40 Chapter I Subchapter I Part 257 Subpart D §257.91(f), I certify that the groundwater monitoring system for the Bottom Ash Pond has been designed and constructed to meet the requirements of §257.91. The certification submitted is, to the best of my knowledge accurate and complete.

HALEY & ALDRIDGE



Signature

October 16, 2017

Date

Jeffrey A. Klaiber, P.E

Name

22576

Professional Engineer Registration Number