

**LOCATION RESTRICTIONS DEMONSTRATION**  
**PLACEMENT ABOVE THE UPPERMOST AQUIFER 391-3-4-.10(3) and 40 CFR § 257.60**  
**PLANT BRANCH CCR LANDFILL**  
**GEORGIA POWER COMPANY**

The US Environmental Protection Agency's (USEPA's) Final Rule for Disposal of Coal Combustion Residuals from Electric Utilities (40 CFR Part 257 and Part 261), § 257.60 and Georgia Environmental Protection Division (GA EPD) CCR Rule, Chapter 391-3-4-.10(3), which incorporates the requirements of 40 CFR § 257.60 by reference, require that new CCR landfills, existing and new CCR surface impoundments, and all lateral expansions of CCR units must be constructed with a base that is located no less than 1.52 meters (five feet) above the upper limit of the uppermost aquifer, or must demonstrate that there will not be an intermittent, recurring, or sustained hydraulic connection between any portion of the base of the CCR unit and the uppermost aquifer due to normal fluctuations in groundwater elevations (including the seasonal high water table). See Ga. Comp. R. & Regs. R. 391-3-4-.10(3)(a); 40 C.F.R. § 257.60(a).

The Plant Branch CCR Landfill will be located at 1100 Milledgeville Road, Milledgeville, Georgia in Putnam County and is designed to have ten cells in its full build-out. Georgia Power Company initially intends to only construct and operate the first six cells of this ten-cell configuration.

Based on the site conditions as described in the Site Acceptability Report, GA EPD issued a Site Suitability Notice with site limitations on 19 June 2020, which establishes site-specific groundwater separation criteria.

In accordance with the site limitations and as shown in the permit application and permit modification documents for CCR solid waste permit 117-008D(CCR), the CCR Landfill liner grades for Cells 1 through 6 were designed to maintain a minimum separation of ten feet above the groundwater contours shown on the April 14, 2022 potentiometric surface map.

I hereby certify that the design for the CCR Landfill and its structural components at GPC's Plant Branch facility meets the requirements of GA EPD Rule 391-3-4-.10(3) and USEPA Rule 40 CFR § 257.60.



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Mehmet Iscimen, P.E.

Georgia Registered Professional Engineer No. 034164

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5/24/2024

Date