

**LOCATION RESTRICTIONS DEMONSTRATION
PLACEMENT ABOVE THE UPPERMOST AQUIFER (391-3-4-.10(3) and 40 C.F.R. §257.60)
PLANT BOWEN CCR LANDFILL PERMIT 008-018D(CCR)
GEORGIA POWER COMPANY**

The Federal CCR Rule and the Georgia CCR Rule require that new CCR landfills or 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 CCR Landfill is located nine (9) miles southwest of Cartersville in Bartow County, Georgia. The plant is bordered by the Etowah River to the north and east, and Euharlee Creek to the northwest and west. Plant Bowen's Landfill currently consists of six (6) constructed and operational CCR disposal cells (Cells 1, 2, 3, 4, 9 and 10). The CCR solid waste permit 008-018D(CCR) includes plans for future cells (Cells 5, 6, 7 and 8), the subject of this location restriction demonstration. A review of the site geology, hydrogeology, and other siting criteria was performed at the time the landfill was initially permitted and is described in the Composite Site Acceptability Report for CCR Landfill Permit. The permit drawings included in the CCR solid waste permit and the Composite Site Acceptability Report for CCR Landfill Permit were reviewed and confirmed the proposed design for the base of the CCR unit for future landfill Cells 5,6,7, and 8 will provide the required separation from the uppermost aquifer.

I hereby certify that for the permitted design for the future Cells 5, 6, 7, and 8 at Georgia Power's Plant Bowen CCR Landfill, the demonstration for placement above the uppermost aquifer meets the requirements of Georgia EPD Rule 391-3-4-.10(3); USEPA 40 C.F.R. §257.60(a).



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