

GROUNDWATER MONITORING SYSTEM CERTIFICATION
Rules for Solid Waste Management, Chapter 391-3-4-.10(6)
PLANT YATES GYPSUM STACK LANDFILL
GEORGIA POWER COMPANY

Chapter 391-3-4-.10(6) of the Georgia Rules for Solid Waste Management (Georgia Rule) requires the owner or operator of a CCR Unit to install a groundwater monitoring system. The owner or operator must obtain a certification from a qualified professional engineer stating that the groundwater monitoring system has been designed and constructed to meet the requirements of 40 CFR Part §257.91, as adopted by Georgia Rule 391-3-4-.10(6).

According to 40 CFR §257.91(a), the groundwater monitoring system must consist of a sufficient number of wells, installed at appropriate locations and depths, to yield groundwater samples from the uppermost aquifer that:

1. Accurately represent the quality of background groundwater that has not been affected by leakage from a CCR unit; and
2. Accurately represent the quality of groundwater passing the waste boundary of the CCR unit.

40 CFR §257.91(b) states that the number, spacing, and depths of groundwater monitoring system must be determined based upon site-specific technical information that must include a characterization of:

1. Aquifer thickness, groundwater flow rate, groundwater flow direction, including seasonal and temporal fluctuations in groundwater flow; and
2. Saturated and unsaturated geologic units and fill materials overlying the uppermost aquifer, materials comprising the uppermost aquifer, and materials comprising the confining unit defining the lower boundary of the uppermost aquifer, including, but not limited to, thicknesses, stratigraphy, lithology, hydraulic conductivities, porosities, and effective porosities.

CERTIFICATION

I hereby certify that the groundwater monitoring system for the CCR Unit located at Georgia Power's Plant Yates located at 708 Dyer Road, approximately eight miles northwest of the city of Newnan and 13 miles southeast of the city of Carrollton in Coweta County, Georgia, and designated as Gypsum Stack Landfill, has been designed and constructed to meet the requirements of Chapter 391-3-4-.10(6) of the Georgia Rules for Solid Waste Management. I further certify that the upgradient and downgradient monitoring wells provide adequate coverage to detect potential impacts from the CCR Unit.

PE STAMP

Qualified Professional Engineer's Signature

October 20, 2021

Date

