

CLOSURE PLAN – REVISION 02 40 C.F.R. PART 257.102(b) GULF CLEAN ENERGY CENTER – ASH LANDFILL #2 FLORIDA POWER & LIGHT COMPANY

This Closure Plan was prepared for Florida Power & Light Company's (FPL's) Gulf Clean Energy Center (GCEC, formerly Plant Crist) Ash Landfill #2, located in Pensacola, Florida. This Closure Plan was prepared in accordance with the United States Environmental Protection Agency's (EPA) "Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments" Final Rule (40 C.F.R. Part 257, Subpart D) and meets the requirements of 40 C.F.R. §257.102(b) for closure of CCR units.

Facility details are as follows:

Site Name / Address

Gulf Clean Energy Center (GCEC) 11999 Pate Street Pensacola, FL 32520

Owner Name / Address

Florida Power & Light Company 700 Universe Boulevard, JES/JB Juno Beach, Florida 33408

CCR Unit

GCEC Ash Landfill #2

Closure Method

Closure In-Place

CLOSURE PLAN

The purpose of this Closure Plan is to outline the methods and procedures under consideration for the Gulf Clean Energy Center (GCEC) Ash Landfill #2 consistent with recognized and generally accepted good engineering practices. This Closure Plan may be amended in accordance with the requirements of 40 C.F.R. §257.102(b)(3) should there be a change in operation or unanticipated events that would substantially affect the written Closure Plan.

Methods and Procedures

The GCEC Ash Landfill #2 area is approximately 15.2 acres which includes the bottom ash landfill and adjacent roadway. The CCR unit is designed to be closed by Closure in Place following placement of non-spec ash from reclaim operations at Landfill 1. During closure, CCR will be graded within the footprint of the unit to create the subgrade for the placement of the final cover. In accordance with 40 C.F.R. §257.102(d), the final cover system will be designed to meet the following standards:

- Control, minimize or eliminate, to the maximum extent feasible, post-closure infiltration of liquids into the waste and releases of CCR, leachate, or contaminated run-off to the ground or surface waters or to the atmosphere;
- Preclude the probability of future impoundment of water, sediment, or slurry;
- Include measures that provide for major slope stability to prevent the sloughing or movement of the final cover system during the closure and post-closure care period;
- Minimize the need for further maintenance of the CCR unit; and
- Be completed in the shortest amount of time consistent with recognized and generally accepted good engineering practices.

See Appendix 1 for the proposed closure design drawings for GCEC Landfill #2.

CCR Material Estimate

The GCEC Ash Landfill #2 has a design capacity of approximately 825,000 cubic yards of CCR. As reported in January 2023, the volume of materials contained in the GCEC Landfill #2 at the time of inspection is estimated to be approximately 246,100 cubic yards of CCR.

Final Cover System

The final cover system is designed to minimize infiltration and erosion for the CCR unit. The final cover system design meets the requirements of 40 C.F.R. §257.102(d)(3)(i) for traditional cover system. The final cover system will ensure the disruption of the integrity of the final cover system is minimized through a design that accommodates for settlement and subsidence and prevents the future impoundment of water, in addition to providing protection from wind or water erosion. The post-closure CCR limits, accounting for the largest area requiring a final cover, is approximately 12.1 acres.

The engineered final cover system consists of the following minimum components, listed from bottom to top.

- 40-mil (min.) textured LLDPE or HDPE geomembrane liner
- Double-sided geocomposite drainage layer
- 18-inch protective soil layer
- 6-inch vegetative soil layer

SCHEDULE

Closure activities for the GCEC Ash Landfill #2 are outlined in the schedule presented in Table 1. Closure milestones and activities are approximate and some of the activities will overlap. Milestones reflect approximate time to implement closure. The closure completion date has not yet been established.

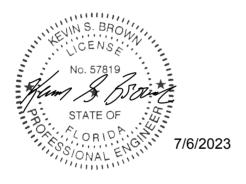


Table 1: GCEC Ash Landfill #2 Closure Milestones Schedule

Closure Activity	Duration of Closure Activity
Closure Regulatory Interface and Permitting	6 months
Subgrade Grading and Preparation	6 months
Closure Construction (Installation of Final Cover System)	9 months
End Final Closure Construction Activities	

CERTIFICATION

I certify that this Closure Plan for the Gulf Clean Energy Center Ash Landfill #2 was prepared in accordance with 40 C.F.R. 257.102(b).



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