

**CLOSURE PLAN – REVISION 01**  
**40 C.F.R. SECTION 257.102(b)**  
**GULF CLEAN ENERGY CENTER – ASH LANDFILL #1**  
**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 #1, 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 #1

**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 #1 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 #1 area is approximately 60 acres which includes the fly ash landfill and associated stormwater sedimentation basin. The CCR unit will be closed by Closure in Place. The ash subgrade for the final cover system will be graded to create a stable 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.

The final cover system will be designed to minimize infiltration and erosion for the CCR unit. The final cover system will, at a minimum, be designed to meet or exceed the requirements of 40 C.F.R. §257.102(d)(3)(i) or (ii) for traditional or alternative cover systems. The final design will ensure the disruption of the integrity of the final cover system is minimized through a design that accommodates for settlement and subsidence, in addition to providing protection from wind or water erosion.

Closure will also include confirmation that groundwater monitoring concentrations do not exceed the groundwater protection standard established for constituents in Appendix IV of the CCR Rule.

### CCR Material Estimate

The GCEC Ash Landfill #1 has a design capacity of approximately 2,600,000 cubic yards of CCR.

## SCHEDULE

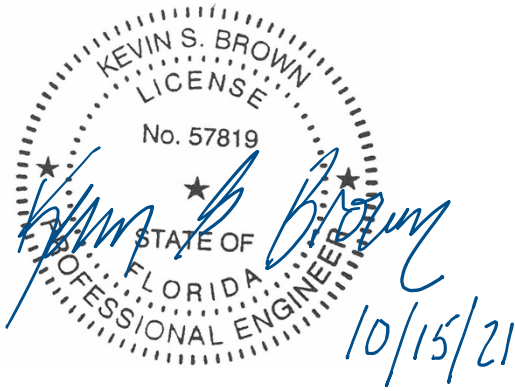
Closure activities for the GCEC Ash Landfill #1 are outlined in the schedule presented in Table 1. Closure milestones and activities are approximate and some of the activities will overlap. Milestones reflect approximate - time to implement closure. The closure completion date has not yet been established.

**Table 1: GCEC Ash Landfill #1 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)	1 Year
End Final Closure Construction Activities	--

## CERTIFICATION

I certify that this Closure Plan for the Gulf Clean Energy Center Ash Landfill #1 was prepared in accordance with 40 C.F.R. 257.102(b).



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