

## **CLOSURE PLAN FOR EXISTING CCR LANDFILL**

### **CRIST ASH LANDFILL 1**

**40 CFR 257.102(b)**

#### **SITE INFORMATION**

##### **Site Name / Address**

Plant Crist  
11999 Pate Street  
Pensacola, FL 32514

##### **Owner Name / Address**

Gulf Power Company  
One Energy Place  
Pensacola, FL 32520

##### **CCR Unit**

Ash Landfill 1

##### **Closure Method**

Close In-Place

#### **CLOSURE PLAN DESCRIPTION**

##### **§ 257.102(b)(1)(i) – Narrative description of how the CCR unit will be closed.**

The Plant Crist Ash Landfill 1 will be closed by leaving CCR in place. In accordance with § 257.102(b)(3), the written closure plan will be amended if there is a change in operation that would substantially affect the written closure plan in effect and/or if there are unanticipated events that necessitate a revision of the closure plan.

##### **§ 257.102(b)(1)(iii) – Closure of the CCR unit by leaving CCR in place**

The ash subgrade for the final cover of Landfill 1 will be graded to create a stable subgrade for the final cover system. In accordance with § 257.102(d), the final cover will be constructed to control, minimize or eliminate, to the maximum extent feasible, post closure infiltration of liquids into the waste and potential releases of CCR from the unit. This will be accomplished by providing sufficient grades and slopes to: 1) preclude the probability of future impoundment of water or sediment; 2) ensure slope and cover system stability; 3) minimize the need for further maintenance; and, 4) 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. The final cover system, at a minimum, will be designed to meet or exceed the requirements of 40 C.F.R. §257.102(d)(3)(i) or (ii) (traditional and alternative cover system). Final design will ensure the disruption of the integrity of the final cover system is minimized through a design that accommodates settlement and subsidence, in addition to providing an erosion layer for protection from wind or water erosion.

##### **§ 257.102(b)(1)(iv) – Estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit**

Landfill 1 is currently in operation and has an initial design capacity of approximately 2,600,000 cubic yards of CCR. Future use of the unit will not substantially affect the written closure plan in effect.

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**§ 257.102(b)(1)(v) – Estimate of the largest area of the CCR unit ever requiring a final cover**

Landfill 1 covers an area of approximately 60 acres.

**§ 257.102(b)(1)(vi) – Closure Schedule**

The milestones and the associated timeframes are initial estimates. Some of the activities associated with the milestones will overlap. Milestones reflect approximate time to implement closure instead of dates. The closure completion date has not yet been established, as this is an active landfill with remaining life. The time required to achieve full capacity is dependent upon generation and beneficial reuse sales.

**Estimated Milestone Durations**

Regulatory interface and Permitting – 6 months

Subgrade Grading & Preparation – 4 months

Installation of final cover – 1 year

Estimate of Year in which all closure activities will be completed - TBD

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**Certification Statement 40 CFR § 257.102**

**Initial Written Closure Plan for a CCR Surface Impoundment or Landfill**

**Site Name / Address**

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**CCR Unit**

Ash Landfill 1

I hereby certify that the written closure plan was prepared in accordance with the requirements of 40 CFR § 257.102, and that the final cover system will meet the requirements of §257.102(d)(3).

James C. Pegues, P.E.

Licensed State of Florida, PE No. 52519

