

**CLOSURE PLAN FOR EXISTING CCR SURFACE IMPOUNDMENT
PLANT WATSON ASH POND
MISSISSIPPI POWER COMPANY
40 CFR 257.102(b)**

SITE INFORMATION

Site Name / Address

Plant Jack Watson
10406 Lorraine Road
Gulfport, Mississippi 39503

Owner Name / Address

Mississippi Power Company
2992 West Beach Boulevard
Gulfport, Mississippi 39501

CCR Unit

Ash Pond

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 Watson Ash Pond has been closed by leaving CCR in place. A permanent geosynthetic cover system was placed over the ash to facilitate closure.

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

Methods and Procedures

The pond was dewatered sufficiently to remove the free liquids, to provide a stable base for the construction of the final cover system. In accordance with § 257.102(d), the final cover has been constructed to control, minimize or eliminate, to the maximum extent feasible, post-closure infiltration of liquids into the stacked CCR and potential releases of CCR from the unit. Construction of the final cover provides sufficient grades and slopes to 1) preclude the probability of future impoundment of water, slurry, or sediment; 2) ensure slope and cover system stability; and 3) minimize the need for further maintenance. Construction of the final cover system has been completed in the shortest amount of time possible while being consistent with recognized and generally accepted good engineering practices.

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Description of Final Cover System

The final cover system was designed to minimize infiltration and erosion and to meet or exceed the requirements of 40 C.F.R. §257.102(d)(3)(ii) in that the permeability of the final cover system is less than or equal to the permeability of the natural subsoils present beneath the surface impoundment, and not greater than 1×10^{-5} cm/sec. The final cover consists of an engineered, relatively impermeable cover system utilizing geosynthetic materials. Disruption of the integrity of the final cover system is minimized through a design that accommodates settlement and subsidence, in addition to providing synthetic turf for protection from wind and 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

The closed footprint of the closed Gadsden Ash Pond contains approximately 3.5 million cubic yards of CCR.

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

The final cover was constructed over the consolidated footprint of the CCR unit which has an area of about 102 acres.


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

CCR grading and consolidation began in March 2016, and was completed in January 2018. The geosynthetic final cover construction was completed in March 2018.

At the present time, there is no planned use of the facility after closure. If current plans change, they will be noted in an amendment to this post-closure care plan required by §257.104(d)(3). Any future use of the property after closure will comply with all applicable requirements of Part 257, Subpart D.

No later than 60 days following completion of the post-closure care period of 30 years, Mississippi Power Company will prepare a notification verifying completion of the post-closure care as described in §257.104(e).

I hereby certify that this post-closure care plan has been prepared in accordance with the requirements of 40 C.F.R. Part 257.104.

A circular professional seal for James C. Pegues, a Licensed Professional Engineer in the State of Mississippi. The seal contains the text "JAMES C. PEGUES", "LICENSED PROFESSIONAL ENGINEER", "STATE OF MISSISSIPPI", and "18942". A signature is written over the seal, and the date "4/17/18" is handwritten to the right.

James C. Pegues, P.E.
Licensed State of Mississippi, PE No. 18942

4/17/18