

**CLOSURE PLAN
FORMER ASH BASIN
POWERTON STATION
MAY 2019**

This closure plan has been prepared in accordance with 40 CFR Part 257.102(b) for the Former Ash Basin (FAB) at the Powerton Station, operated by Midwest Generation, LLC in Pekin, IL. This closure plan describes the schedule and steps necessary for closure and methods for compliance with closure requirements for final closure of the FAB.

**1.0 Closure Narrative
[257.102(b)(i)]**

The Powerton FAB has been an inactive pond for several decades. In 2010, the FAB was bifurcated by an onsite rail loop into two separate ponds: the South Pond and the North Pond. The closure of the FAB will be accomplished by the in-place closure both the North and South Ponds in accordance with 40 CFR Part 257.102(d).

**2.0 In Place Closure of CCR
[257.102(b)(1)(iii)]**

The Coal Combustion Residuals (CCR) in both the South and North Ponds will be closed in place in accordance with 40 CFR Part 257.102(d). As required, a final cover system (FCS) will be installed over the CCR in accordance with 257.102(d)(3)(ii). The closure will be implemented using the following methods and procedures:

1. The CCR in the South and North Ponds will be graded in order to achieve more efficient storm water drainage after a capping system is installed, and to provide a stabilized subsurface for the final cap.
2. The FCS will be installed over the regraded and compacted CCR in both ponds. The FCS will consist of the following components (from the bottom layer to the top layer):
 - An geocomposite layer with a permeability no greater than 1×10^{-5} cm/sec;
 - A protective soil cover ranging from 6" to 18" thick of imported clean material; and
 - An erosion control layer consisting of six (6") inches of topsoil with vegetation (mulch, fertilizer, and seed).
3. The CCR in the South and North Ponds will be graded in order to achieve more efficient storm water drainage after a capping system is installed, and to provide a stabilized subsurface for the final cap.

**3.0 Maximum Inventory of CCR
[257.102(b)(1)(iv)]**

The estimated maximum inventory of CCR on-site contained in the North Pond and South Pond are estimated at less than 300,000 cubic yards (CY) and 200,000 CY, respectively.

3.0 Largest Area of CCR Requiring a Final Cover
[257.102(b)(1)(v)]

The FCS will cover a maximum area of approximately 16.6 acres over the North Pond, and 14.7 acres over the South Pond.

4.0 Closure Schedule
[257.102(b)(1)(vi)]

Implementation of closure of the FAB is estimated to require 14 months. Closure is anticipated to begin in 2019 and estimated to be completed in 2020. Prior to initiation of closure, a notice of intent to close will be prepared in accordance with §257.102(g). If necessary, closure design documents will be prepared to support applications for required local, state, and federal permits. Closure construction design documents may include construction drawings and other technical specifications. The permits required for closure construction will be evaluated at the time of closure, and may include permits from the Illinois Environmental Protection Agency (Illinois EPA), Illinois Department of Natural Resources (IDNR), and Tazewell County. A preliminary schedule of anticipated closure activities is included below.

CLOSURE ACTIVITY	SCHEDULE
Permitting	6 Months
Site Preparation	1 Month
CCR Consolidation & Regrading	2 Months
Install Final Cover System	3 Months
Install Storm Water Drainage System	1 Month
Closure Certification	1 Month

5.0 Closure Activities Initiation and Completion
[257.102(e) and 257.102(f)]

Closure activities are anticipated to begin during 2019, and are estimated to be completed during 2020. In accordance with §257.102(h), notification of closure of a CCR unit will be made within 30 days of the completion of closure of the CCR unit. The notification will include certification from a qualified professional engineer, as required by §257.102(f)(3).

6.0 Closure Plan Amendments
[257.102(b)(3)]

This Closure Plan will be amended in accordance with §257.102(b)(3) if a change in the operation of the FAB would substantially affect the content of this Closure Plan or if unanticipated events necessitate revision of the plan. If a change in operation requires amendment to the Closure Plan, the plan will be amended no later than 60 days prior to the change in operation being implemented. If an unexpected event occurs that requires amendment of the Closure Plan, the plan will be amended within 60 days of the unexpected event or within 30 days of the unexpected event if the event occurs after closure activities have commenced. Amendments to this Closure Plan will be certified by a professional engineer registered in the State of Illinois in accordance with §257.102(b)(4).

7.0 Professional Engineer's Certification
[257.102(b)(4)]

I certify that this Closure Plan has been prepared to meet the requirements of 40 CFR §257.105(b)(1).



Richard M. Frendt, P.E.
Illinois Professional Engineer

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