

**PRELIMINARY CLOSURE PLAN
METAL CLEANING BASIN
POWERTON STATION
MARCH 2022**

This closure plan has been prepared in accordance with Ill. Adm. Code Title 35 Part 845.720(a) for the Metal Cleaning Basin (MCB) at the Powerton Station, operated by Midwest Generation, LLC (Midwest Generation) 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 MCB.

**1.0 Closure Narrative
[845.720(a)(1)(A)]**

The closure of the MCB will be by removal of the CCR in accordance with Ill. Adm. Code 35 Part 845.740(a).

**2.0 CCR Removal and Decontamination
[845.720(a)(1)(B)]**

Closure of the MCB will be through removal of CCR. The basin will be dewatered to allow for the excavation of any CCR remnants. First, the basin will be allowed to naturally dewater to a water level equal with the elevation of the existing outlet structure. At this point, the water will be pumped into the existing outlet structure.

The CCR will be removed through mechanical excavation once the basin has been sufficiently dewatered. A mechanical excavator will excavate the CCR from the basin and load it into dump trucks. Once the CCR has been mechanically loaded it will be hauled for disposal at a regulated facility. Any CCR remnants will be removed through washing/rinsing and/or vacuuming. In addition, all CCR will be removed from the basin inlet and outlet structures through mechanical means and also by washing/rinsing any remaining CCR remnants. The CCR that is removed from the inlet and outlet structures will be taken for disposal at a regulated facility.

CCR removal and decontamination will be considered complete when CCR has been removed from the basin and from any areas that may have been affected by releases from the basin and groundwater monitoring concentrations do not exceed the groundwater protection standards established in Ill. Adm. Code Title 35 Part 845.650(a) for two consecutive sampling events using the statistical procedures in §845.640(g).

3.0 Closure with CCR Left in Place **[845.720(a)(1)(C)]**

Closure of the MCB will be through removal of CCR and decontamination of areas affected by CCR. Therefore this requirement is not applicable.

4.0 Maximum Inventory of CCR **[845.720(a)(1)(D)]**

The estimated maximum inventory of CCR on-site contained in the MCB is approximately 3,460 cubic yards based upon the discharge weir height of two feet and the CCR being contained from the top of the sand warning layer to the top height of the weir.

5.0 Largest Area of CCR Requiring a Final Cover **[845.720(a)(1)(E)]**

The MCB will be closed by removing the CCR in accordance with 845.740(a); therefore, this section is not applicable to this closure plan.

6.0 Closure Schedule **[845.720(a)(1)(F)]**

Implementation of closure through removal of CCR is estimated to require 30 months. Closure is anticipated to begin in 2023 or 2024 and estimated to be completed by the end of 2024. Prior to initiation of closure, a notice of intent to close will be prepared in accordance with §845.730(d). 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 for closure, technical specifications, and adequate CCR removal confirmation procedures. The permits required for closure construction will be evaluated at the time of closure, and may include permits from the Illinois Environmental Protection Agency (IEPA), Illinois Department of Natural Resources (IDNR), and Will County. A preliminary schedule of anticipated closure activities is included below.

Closure Schedule

Closure Activity	Schedule
Prepare Closure Construction Design Documents	5 Months
Obtain Closure Construction Permit	11 Months
Hire Closure Contractor	4 Months
Draw Down Water & Dewater Basin	1 Month
Excavate CCR	4 Months
Decontaminate Pond Liner	2 Months
Decontaminate Pond Inlet & Outlet Structures	1 Months
Closure Certification	2 Months

7.0 Closure Activities Initiation [845.730]

Closure activities will commence when one or more of the following conditions have occurred:

- No later than 30 days after the date on which the CCR unit received the known final receipt of CCR or non-CCR waste;
- No later than 30 days after the removal of the known final volumen of CCR for the purpose of beneficial use;
- Within two years of the last receipt of waste for a unit that has not received CCR or non-CCR waste; or
- Within two years of the last removal of CCR material for the purposes of beneficial use.

In accordance with 845.760(f), 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 845.760(e)(2).

8.0 Closure Plan Amendments [845.720(a)(3)]

This Closure Plan will be amended in accordance with 845.720(a)(3). If a change in the operation of Pond 2 would be 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 845.720(a)(4).

9.0 Professional Engineer's Certification [845.720(a)(4)]

This Closure Plan has been prepared to meet the requirements of Ill. Adm. Code Title 35 845.720(a).



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