

**POST-CLOSURE PLAN
FORMER ASH BASIN
POWERTON STATION
OCTOBER 2022**

1.0 Introduction

This post-closure plan has been prepared in accordance with 845.780(d) for the Former Ash Basin (FAB) at the Powerton Generating Station, operated by Midwest Generation, LLC (Midwest Generation), in Pekin, IL. This post-closure plan describes the steps necessary for post-closure and methods for compliance with post-closure requirements for the FAB. The post-closure care period will begin once the closure report and closure certification documenting the closure of the FAB has been approved by the Illinois Environmental Protection Agency (IEPA) and Midwest Generation has placed the certified notification of closure as required by 845.760(f) in Powerton's operating record.

**2.0 Post-Closure Monitoring and Maintenance Requirements
[845.780(b)]**

The post-closure monitoring and maintenance activities will be performed in compliance with 845.780(b). The post-closure care will consist of the following:

- Maintaining the integrity and effectiveness of the final cover system (FCS), including making repairs as necessary to correct the effects of settlement, subsidence, erosion, or other events, and preventing run-on and run-off from eroding or otherwise damaging the final cover.
- Maintaining the groundwater monitoring system and monitoring the groundwater in accordance with the requirements of Subpart F.

**3.0 Final Cover System Monitoring & Maintenance Description
[845.780(d)(1)(A)]**

The FCS will be inspected annually for settlement, subsidence, erosion or other damage throughout the post closure care period. Corrective measures will be implemented if any of the above conditions are observed and any repairs made to the FCS will be repaired in accordance with the manufacturer's recommendations. If rips/tears to the engineered turf and/or geomembrane are noted, then they will be repaired by an approved ClosureTurf installer. Erosion of the sand infill that causes the engineered turf backing to become exposed will be brushed back into the exposed turf backing areas.

**4.0 Groundwater Monitoring
[845.780(b)(2)]**

Groundwater monitoring will be performed in accordance with Part 845 Subpart F for the duration of the post-closure period. The groundwater monitoring for the FAB will occur in accordance with Part 845 Subpart F. Groundwater sampling will be conducted quarterly during

the first five years of the post-closure period and groundwater elevations will be collected monthly. The groundwater monitoring frequency may be reduced to semi-annual monitoring by demonstrating compliance with 845.650(b)(4). The groundwater sampling and analysis methods will be appropriate for environmental groundwater monitoring.

This post-closure care plan is based upon the regulatory requirement to maintain and monitor the site for 30 years after closure. If at the end of the 30-year post-closure care period, the groundwater monitoring activities must continue until the groundwater monitoring data complies with 845.780(c)(2).

5.0 Post-Closure Care Contact Information

[845.780(d)(1)(B)]

Environmental Specialist
Powerton Generating Station
13082 East Manito Road, Pekin, IL 61554
309-346-2165

6.0 Planned Uses Of The Property

[845.780(d)(1)(C)]

The FAB will not be developed during the post-closure care period. The FAB will be inactive during the post-closure care period and it will only be accessed to perform groundwater monitoring or inspections, as noted above. The groundwater monitoring will not involve access onto the FCS. Access onto the FCS for inspections will be kept to a minimum.

7.0 Post-Closure Plan Amendments

[845.780(d)(4)]

This Post-Closure Plan may be amended in accordance with 845.780(d)(3) if a change in the operation of the FAB would substantially affect the content of this Post-Closure Plan or if unanticipated events necessitate revision of the plan. If a change in operation requires amendment to the Post-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. A request to modify the operating permit will be submitted within 30 days of the unexpected event. Amendments to this Post-Closure Plan will be certified by a professional engineer registered in the State of Illinois in accordance with 845.780(d)(4).