

# CLOSURE PLAN

**CFR 257.102(b)**

Bottom Ash Ponds

Rockport Plant  
Spencer County, Indiana

October 2016  
Revised November 2020

Prepared for: Indiana Michigan Power Company – Rockport Plant

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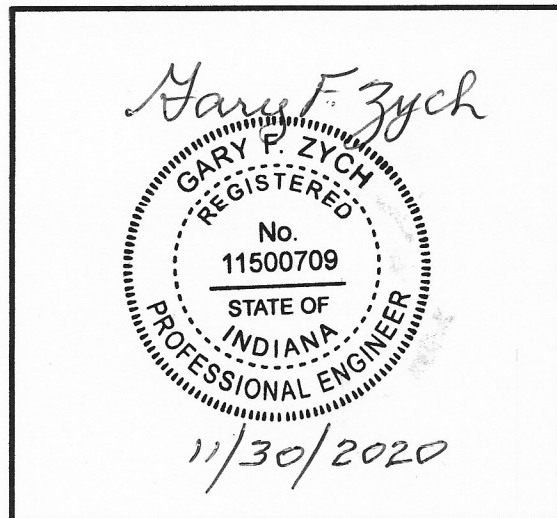
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CLOSURE PLAN (REVISED NOVEMBER 2020)  
CFR 257.102(b)  
ROCKPORT PLANT  
BOTTOM ASH COMPLEX

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I certify to the best of my knowledge, information, and belief that the information contained in this closure plan meets the requirements of 40 CFR § 257.102(b)

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## Revision changes:

- Defined CCR Unit as the East Bottom Ash Pond and West Bottom Ash Pond. Listed other ponds considered accessory to the Bottom Ash Ponds.
- Changed closure scheme from close in place to closure by removal.
- Added an updated closure schedule in section 7.0.

## **1.0 OBJECTIVE**

This report was prepared by AEP- Geotechnical Engineering Services (GES) section to fulfill requirements of CCR 257.102(b) for Closure Plans of Existing CCR Surface Impoundments

## **2.0 DESCRIPTION OF THE CCR UNIT**

The Rockport plant is located near the City of Rockport, Spencer County, Indiana. Unit 1 owned by Indiana Michigan Power Co. (I&M), a unit of American Electric Power and operates the plant. The facility operates two surface impoundments for storing CCR within the Bottom Ash Complex.

The Bottom Ash Pond Complex is formed by excavation into the existing ground with a diked embankment along the West Bottom Ash Pond. The Bottom Ash Ponds and Wastewater Ponds were designed in tandem; one bottom ash pond and one wastewater pond are in service at any given time. The Least terns are an endangered species of birds that are known to nest along areas of the Bottom Ash Complex.

There are six main ponds within the bottom ash pond complex as listed below.

### List of Ponds defined as the CCR Unit:

West Bottom Ash Pond

East Bottom Ash Pond

### List of other ponds part of the Bottom Ash Pond Complex

West Waste Water Pond

East Waste Water Pond

Reclaim Pond

Clear Water Pond

## **3.0 DESCRIPTION OF CLOSURE PLAN 257.102(b)(1)(i)**

*[A narrative description of how the CCR unit will be closed in accordance with this section]*

The Bottom Ash Ponds will be closed by removal of the CCR material.

## **4.0 CLOSURE BY REMOVAL 257.102 (b)(1)(ii)**

*[If closure of the CCR unit will be accomplished through removal of CCR from the CCR unit, a description of the procedures to remove the CCR and decontaminate the CCR unit in accordance with paragraph (c) of this section.]*

All CCR material will be excavated from the East Bottom Ash Pond and the West Bottom Ash Pond, and hauled to and placed in the Rockport Landfill. An additional 12-inches of soil along the bottom of the ponds will also be removed. The earthwork activities will be performed in such a manner as to provide the least disturbance to the Least tern avian habitat. The interior pond embankment's riprap will be excavated and stockpiled for reuse. The East BAP area will be retrofit with a CCR compliant liner. The West BAP will be closed by removal and filled with water to maintain habitat for the least tern.

**4.1 CLOSURE PERFORMANCE STANDARDS 257.102 (c)**

*[An owner or operator may elect to close a CCR unit by removing and decontaminating all areas affected by releases from the CCR unit. CCR removal and decontamination of the CCR unit are complete when constituent concentrations throughout the CCR unit and any areas affected by releases from the CCR unit have been removed and groundwater monitoring concentrations do not exceed the groundwater protection standard established pursuant to §257.95(h) for constituents listed in appendix IV to this part.]*

Closure of the bottom ash ponds will be completed when all CCR in the unit and the bottom soils have been removed and groundwater monitoring demonstrates that all concentrations of the assessment monitoring constituents listed in appendix IV to part 257 do not exceed either statistically equivalent background levels or MCLs for two consecutive sampling events using the statistical procedures in § 257.93(g).

**5.0 ESTIMATE OF MAXIMUM CCR VOLUME 257.102 (b)(1)(iv)**

*[An estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit.]*

The estimated maximum CCR volume ever on-site is 511,000 Cubic Yards.

**6.0 ESTIMATE OF LARGEST AREA OF CCR REQUIRING COVER 257.102 (b)(1)(v)**

*[An estimate of the largest area of CCR unit ever requiring a final cover]*

The ponds will be closed by removal of CCR materials as such this section is not applicable.

**7.0 CLOSURE SCHEDULE 257.102(b)(1)(vi)**

*[A schedule for completing all activities necessary to satisfy the closure criteria in the section, including an estimate of the year in which all closure activities for the CCR unit will be completed. The schedule should provide sufficient information to describe the sequential steps that will be taken to close the CCR unit, including identification of major milestones such as coordinating with and obtaining necessary approvals and permits from other agencies, the dewatering and stabilization phases of the CCR surface impoundment closure, or installation of the final cover system, and the estimated timeframes to complete each step or phase of the CCR unit closure.]*

The table below provides the general activities and milestones of the closure schedule. The schedule takes into account Least Tern nesting season, annually from May – August.

Engineering and design of EBAP retrofit	November 2020 – June 2021
Submit and obtain permit approvals	November 2020 – April 2022
Bid and award construction contract	April 2021 – August 2021
Remove material in EBAP	August 2021 – May 2022
Retrofit EBAP	August 2022 – May 2023
Remove material in WBAP	August 2023 – May 2024