

**ANNUAL INSPECTION REPORT  
ASH PONDS 1N AND 1S  
WILL COUNTY STATION  
OCTOBER 2021**

This initial annual inspection report has been prepared pursuant to the coal combustion residuals (CCR) rule codified in Title 35 of the Illinois Administrative Code, Section 845.540(b) effective as of April 21, 2021 for Ash Ponds 1N and 1S at Will County Station in Romeoville, Illinois (Station). The purpose of this project is to perform the annual inspection of Ash Ponds 1N and 1S by a licensed professional engineer to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering standards. Civil & Environmental Consultants, Inc. (CEC) completed the following scope of services in preparing this annual inspection report:

- CEC reviewed the weekly and monthly inspection reports completed by a qualified person employed by Midwest Generation, LLC. Since this is an initial inspection, no previous annual inspection report has been completed.
- CEC performed the annual inspection in accordance with the requirements of Part 845.540 including observations pertaining to the following:
  - Changes in Geometry: Observations of changes in the geometry of Ash Ponds 1N and 1S.
  - Instrumentation: Inspection of the location and type of existing instrumentation and documentation of the maximum recorded readings of each instrument from records provided by Station personnel.
  - Capacity and Impounded Volume: Approximate minimum, maximum, and present depth and elevation of the impounded water and CCR; storage capacity of the impounding structure at the time of the inspection; and the approximate volume of the impounded water and CCR at the time of the inspection.
  - Structural/Operational Observations: Inspection for actual or potential structural weakness of the CCR surface impoundment, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR surface impoundment and appurtenant structures;
  - Other Changes: Inspection including change(s) which may have affected the stability or operation of the impounding structure.

Ash Ponds 1N and 1S are closed surface impoundments, both less than 2 acres in size. On August 19, 2021, CEC inspected Ash Ponds 1N and 1S and our observations showed no signs of distress that would suggest the stability or operation of the impounding structures are compromised.

## **1.0 CHANGES IN GEOMETRY**

At the time of inspection, Ash Ponds 1N and 1S geometry was observed to be unchanged from previous construction plans and online aerial photography.

## **2.0 INSTRUMENTATION**

Based on our interview of Station personnel, which was confirmed through our inspection, Ash Ponds 1N and 1S have no instrumentation.

## **3.0 CAPACITY AND IMPOUNDED VOLUME**

Capacity and impounded volume of Ash Ponds 1N and 1S and estimated depth of impounded water and CCR are represented in Table 1 and 2, attached. Volumes and depths were determined through discussion with station personnel and by reviewing inspection reports, construction drawings, and from modeling using existing topographic data.

## **4.0 STRUCTURAL/OPERATIONAL OBSERVATIONS**

Ash Ponds 1N and 1S were inspected for signs of distress that would have the potential to disrupt operation and safety of the basin. Prior to performing the initial inspection, discussions with statement personnel did not identify conditions that indicate an actual or potential structural weakness. Weekly and monthly inspection reports were also reviewed and did not indicate an actual or potential structural weakness.

## **5.0 OTHER CHANGES**

Ash Ponds 1N and 1S were inspected for signs of other changes or distress that would have the potential to disrupt operation and safety of each basin. Our inspection showed no distresses that would affect the operation and/or stability of Ash Ponds 1N and 1S.

## **6.0 LIMITATIONS AND CERTIFICATION**

This initial CCR annual inspection report was prepared to meet the requirements of Section 845.540(b) and was prepared under the direction of Mr. M. Dean Jones, P.E.

By affixing my seal to this, I do hereby certify to the best of my knowledge, information, and belief that the information contained in this report is true and correct. I further certify I am licensed to practice in the State of Illinois and that it is within my professional expertise to verify the

correctness of the information. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Seal:



Signature: Dean Jones

Name: M. Dean Jones, P.E.

Date of Certification: October 13, 2021

Illinois Professional Engineer No.: 062-051317

Expiration Date: November 30, 2021

**Table 1: Inspection Summary - Ash Pond 1N**

<b>Category</b>	<b>Regulation Reference</b>	<b>Evaluation</b>	<b>Recommended Action</b>
<b>Change in Geometry</b>	§845(b)(2)(A)	None	None
<b>Instrumentation</b>	§845(b)(2)(B)	None	None
<b>Water Depth</b>	§845(b)(2)(C)	Less than 1 foot	None
<b>CCR Depth</b>	§845(b)(2)(C)	7 feet	None
<b>Estimated Storage Capacity</b>	§845(b)(2)(D)	11.5 Acre Feet	None
<b>Impounded Water Volume</b>	§845(b)(2)(E)	0.0 Acre Feet	None
<b>Impounded CCR Volume</b>	§845(b)(2)(E)	11.5 Acre Feet	None
<b>Structural/Operational Observations</b>	§845(b)(2)(F)	None	None
<b>Other Changes</b>	§845(b)(2)(G)	None	None

**Table 2: Inspection Summary - Ash Pond 1S**

<b>Category</b>	<b>Regulation Reference</b>	<b>Evaluation</b>	<b>Recommended Action</b>
<b>Change in Geometry</b>	§845(b)(2)(A)	None	None
<b>Instrumentation</b>	§845(b)(2)(B)	None	None
<b>Water Depth</b>	§845(b)(2)(C)	Less than 1 foot	None
<b>CCR Depth</b>	§845(b)(2)(C)	7 feet	None
<b>Estimated Storage Capacity</b>	§845(b)(2)(D)	10.5 Acre Feet	None
<b>Impounded Water Volume</b>	§845(b)(2)(E)	0.0 Acre Feet	None
<b>Impounded CCR Volume</b>	§845(b)(2)(E)	10.5 Acre Feet	None
<b>Structural/Operational Observations</b>	§845(b)(2)(F)	None	None
<b>Other Changes</b>	§845(b)(2)(G)	None	None