

**INFLOW DESIGN FLOOD CONTROL SYSTEM PLAN
ASH PONDS 1N, 1S, 2S, AND 3S
WILL COUNTY STATION
OCTOBER 2026**

This inflow design flood control system plan has been prepared pursuant with Title 35 of the Illinois Administrative Code (35 IAC) Section 845.510 and Title 40 of the Code of Federal Regulations (40 CFR) Section 257.82 for North Ash Pond 1, South Ash Pond 1, South Ash Pond 2, and South Ash Pond 3 (herein referred to as Ponds or as 1N, 1S, 2S, and 3S, respectively) at Will County Station in Romeoville, Illinois (Station). The purpose of this project is to prepare the 2026 Inflow Design Flood Control System Plan of Ponds 1N, 1S, 2S, and 3S by a licensed professional engineer to ensure that the design, construction, operation, and maintenance of the coal combustion residuals (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:

- Performed the annual CCR impoundment inspection in accordance with the requirements of 35 IAC Section 845.540 and 40 CFR Section 257.83.
- Reviewed the initial 2016 Inflow Design Flood Control System Plan by Geosyntec Engineers and the 2025 Inflow Design Flood Control System Plan for 1N, 1S, 2S, and 3S prepared by Sargent & Lundy, including information pertaining to the following:
 - Inputs and assumptions used to determine whether the impoundment can manage the inflow design flood;
 - Methodology used to determine whether the impoundment can manage the inflow design flood;
 - Assessed potential changes to the design inputs used in the hydrologic and hydraulic assessments completed for the impoundment; and
 - Reviewed and assessed the results of the hydrologic and hydraulic calculations performed to support the conclusion of whether the impoundment meets the hydrologic and hydraulic requirements for CCR surface impoundments promulgated by both 35 IAC Section 845.510 and 40 CFR Section 257.82.

The Ponds are located at Will County Station, 529 East 135th Street in Romeoville, Will County, Illinois and situated south of 135th Street between the Des Plaines River and the Chicago Sanitary and Ship Canal. The Station is no longer operational, and the Ponds are inactive and no longer accept CCR or wastewater. The Ponds are full to mostly full of CCR material, and water levels are maintained at low levels by pumping. CEC's inspection noted no modifications to geometry nor identified signs of distress that would suggest the stability or operation of the impounding structure is compromised.

1.0 INPUTS

1.1 Inflow Design Flood Control System

The inflow design flood control system is documented in the initial inflow design flood control system plan for 1N, 1S, 2S, and 3S, which was prepared by Geosyntec Consultants in October 2016 and in the 2025 Inflow Design Flood Control System Plan prepared by Sargent & Lundy. There have been no documented changes to the inflow design flood control system since the initial and latest inflow design flood control system plan.

1.2 Inflow Design Flood Event

The Ponds are classified as a Class 2 CCR surface impoundment pursuant to 35 IAC Section 845.440(a)(1) and as a significant hazard potential CCR surface impoundment pursuant to 40 CFR Section 257.73(a)(2). The inflow design flood event used in the initial and subsequent annual hydrologic and hydraulic assessments were based on the 1,000-year storm. The precipitation depth for the 1,000-year, 24-hour storm event is 13.3 inches, unchanged from the previous assessments.

1.3 Site Topography

The topography of and areas surrounding the Ponds has remained unchanged since the previous inspections and assessments.

1.4 Aerial Images

Review of aerial images show that other than recent Station decommissioning activities, the areas surrounding the Ponds have remained relatively unchanged.

1.5 Ash Pond Condition

The operating and physical conditions of the Ponds are based on discussions with Station personnel and observations from the annual inspections. Will County Station ceased operations on June 11, 2022. Placement of CCR into 1N and 1S ceased in 2010 while placement of CCR into 2S and 3S ceased in 2022 and 2021, respectively. Placement of process water in the Ponds ceased in 2022.

2.0 ASSUMPTIONS

There are no assumptions in this document that require verification.

3.0 HYDROLOGIC AND HYDRAULIC ASSESSMENT

The inputs for the hydrologic and hydraulic calculations performed for the Ponds were reviewed to determine if changes have occurred since these previous calculations. No changes were identified thereby resulting in no impact on the results and conclusions of the previous calculations. Hydrologic and hydraulic calculations performed for the initial and previous inflow design flood control system plan for the Ponds are considered valid.

4.0 CONCLUSIONS

Based on results of the 2026 impoundment inspection and review of the initial and annual inflow design flood control system plans, the Ponds have adequate hydraulic capacity to retain the 1,000-year flood event without water discharging from or overtopping the pond berms. Therefore, provided the Station maintains a low water level, the Ponds can collect and control the inflow design flood event specified in 35 IAC Section 845.510 and 40 CFR Section 257.82.

5.0 LIMITATIONS AND CERTIFICATION

This 2026 Inflow Design Flood Control System Plan was prepared to meet the requirements of 35 IAC Section 845.510 and 40 CFR Section 257.82 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 14, 2026

Illinois Professional Engineer No.: 062-051317

Expiration Date: November 30, 2027