



COAL COMBUSTION RESIDUALS GROUNDWATER, LEACHATE, AND FACILITY REPORTING FORM

This form must be used as a cover sheet for the notices and reports identified below as required by the facility's Coal Combustion Residuals (CCR) permit for any CCR Surface Impoundments (CCRSIs). All reports must be submitted to the Illinois EPA's Bureau of Land, Permit Section. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit applications. The facility's approved permit will state whether the document you are submitting is required as a report or an application.

1.0 Facility Identification

Facility Name: Hennepin Power Plant- East Ash Pond

Facility Address: 13498 East 800th Street, Hennepin, IL

Site ID #: 1550105012 Fed ID #: _____

2.0 Type of Submission

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

- ☐ LPC-160 Forms (electronic reporting for each sampling event)
- | <u>Groundwater</u> | <u>Leachate</u> |
|--------------------------------------|--------------------------------------|
| ____ Quarterly - Enter 1, 2, 3, or 4 | ____ Quarterly - Enter 1, 2, 3, or 4 |
| ☐ Semi-Annual | ☐ Semi-Annual |
| ☐ Annual | ☐ Annual |
- ☐ Groundwater Data (without LPC-160 Forms) (35 IAC 845.610(b)(3)(D))
- ____ Quarterly - Enter 1, 2, 3, or 4
- ☐ Semi-Annual
- ☐ Annual
- ☐ Well Construction Information
- ☐ Well Construction Forms, Boring Logs and/or Abandonment Forms
- ☐ Well Survey Data (e.g., Stick-up Elevation Data)
- ☐ Quarterly Fugitive Dust Complaint Report (35 IAC 845.500(b)(2)(B))
- ☐ Emergency Action Plan (35 IAC 845.520(f))
- ☒ Annual Consolidated Report (35 IAC 845.550(a))
- ☐ Notice of Confirmed Increase of Groundwater Exceedance from Re-sample (35 IAC 845.650(d))
- ☐ Notice of Plume Contamination Off

- ☐ Assessment of Corrective Measures (35 IAC 845.660(a)(2))
- ☐ Corrective Action
 - ☐ Semi-Annual Report (35 IAC 845.670(a))
 - ☐ Corrective Action Completion Report (35 IAC 845.680(e))
- ☐ Closure Extension Progress Report (35 IAC 845.700(e))
- ☐ Monthly Closure by Removal Report (during active removal) (35 IAC 845.740(d))
- ☐ Annual Inflation Adjustment of Cost Estimates (35 IAC 845.940(a))
- ☐ Other (Identify)

Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

January 30, 2026

Illinois Environmental Protection Agency
2520 West Iles Avenue
P.O. Box 19276
Springfield, IL 62794-9276

Re: Hennepin Power Plant East Ash Pond (IEPA ID W1550100002-05) 2025 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Dynegy Midwest Generation, LLC (DMG) is submitting the annual consolidated report for the Hennepin Power Plant East Ash Pond (IEPA ID W1550100002-05), as enclosed.

Sincerely,

A handwritten signature in blue ink, reading "Dianna Tickner".

Dianna Tickner, PE, PMP
Senior Director, Demolition and Decommission

Annual Consolidated Report
Dynergy Midwest Generation, LLC
Hennepin Power Plant
East Ash Pond; W1550100002-05

In accordance with 35 IAC § 845.550, Dynergy Midwest Generation, LLC (DMG) has prepared the annual consolidated report. The report is provided in three sections as follows:

Section 1

1) Annual CCR fugitive dust control report (Section 845.500(c))

Section 2

2) Annual inspection report (Section 845.540(b)), including:

- A) Annual hazard potential classification certification
- B) Annual structural stability assessment certification
- C) Annual safety factor assessment certification
- D) Inflow design flood control system plan certification

Section 3

3) Annual Groundwater Monitoring and Corrective Action Report (Section 845.610(e))

Section 1

Annual CCR Fugitive Dust Control Report

Annual CCR Fugitive Dust Control Report for Hennepin Power Plant

Prepared for:

Dynegy Midwest Generation, LLC

**Hennepin Power Plant
13498 East 800th Street
Hennepin, IL 61327**

November 2025

Hennepin Power Plant ANNUAL CCR FUGITIVE DUST CONTROL REPORT

CCR Activity	Actions Taken to Control CCR F
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**Hennepin Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT**

Reporting Year: 4th Quarter 2024 through 3<

Section 2

Annual inspection report (Section 845.540(b)), including:

- A) Annual hazard potential classification certification, if applicable (Section 845.440)
- B) Annual structural stability assessment certification, if applicable (Section 845.450)
- C) Annual safety factor assessment certification, if applicable (Section 845.460)
- D) Inflow design flood control system plan certification (Section 845.510(c))

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER

35 IAC § 845.540

INSPECTION REPORT 35 IAC § 845.540

(b)(2)(G) Any other changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.

Site Name: Hennepin Power Station

CCR Unit: East Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P006	Piezometer	452.01'
P007	Piezometer	446.33'

35 IAC § 845.540 (b)(2)(C)						
	Approximate Depth / Elevation					
Since previous inspection:	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water		478.5			4	
CCR	479		505	23		49

Section 3

Annual Groundwater Monitoring and Corrective Action Report (Section 845.610(e))

Prepared for
Dynegy Midwest Generation, LLC

Date
January 31, 2026

Project No.
1940112376-008

**2025 35 I.A.C. § 845 ANNUAL
GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT
EAST ASH POND
HENNEPIN POWER PLANT
HENNEPIN, ILLINOIS
IEPA ID NO. W1550100002-05**

**2025 35 I.A.C. § 845 ANNUAL GROUNDWATER
MONITORING AND CORRECTIVE ACTION REPORT
HENNEPIN POWER PLANT EAST ASH POND**

Project name **Hennepin Power Plant East Ash Pond**
Project no. **1940112376-008**
Recipient **Dynegy Midwest Generation, LLC**
Document type **Annual Groundwater Monitoring and Corrective Action Report**
Version **FINAL**
Date **January 31, 2026**
Prepared by **Jeff R. Kampman**
Checked by **Lauren D. Cook**
Approved by **Brian G. Hennings**
Description **Annual Report Required by 35 I.A.C. § 845**

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Jeff R. Kampman
Senior Project Scientist



Brian G. Hennings, PG
Project Officer, Hydrogeology

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Table A 35 I.A.C. § 845 Monitoring Program Summary for 2025

TABLES (ATTACHED)

Table 1 Field Parameters and Analytical Results – Quarter 1, 2025
Field Parameters and Analytical Results – Quarter 2, 2025
Field Parameters and Analytical Results – Quarter 3, 2025
Field Parameters and Analytical Results – Quarter 4, 2025

Table 2 Evaluation of Compliance – Quarter 1, 2025
Evaluation of Compliance – Quarter 2, 2025
Evaluation of Compliance – Quarter 3, 2025

FIGURES

Figure 1 Monitoring Well Location Map

Figure 2 GWPS Exceedance Map Uppermost Aquifer, Quarter 1 – Quarter 3, 2025

Figure 3 Potentiometric Surface Map, January 13, 2025

Figure 4 Potentiometric Surface Map, February 7, 2025

Figure 5 Potentiometric Surface Map, March 7, 2025

Figure 6 Potentiometric Surface Map, April 7, 2025

Figure 7 Potentiometric Surface Map, May 14, 2025

Figure 8 Potentiometric Surface Map, June 14, 2025

Figure 9 Potentiometric Surface Map, July 14, 2025

Figure 10 Potentiometric Surface Map, August 27, 2025

Figure 11 Potentiometric Surface Map, September 27, 2025

Figure 12 Potentiometric Surface Map, October 27, 2025

Figure 13 Potentiometric Surface Map, November 17, 2025

Figure 14 Potentiometric Surface Map, December 17, 2025

ATTACHMENTS

- Attachment A Groundwater Elevation Data
- Attachment B Comparison to Background – Quarter 1, 2025
Comparison to Background – Quarter 2, 2025
Comparison to Background – Quarter 3, 2025

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
CCA	compliance commitment agreement
CCR	coal combustion residuals
CMA	assessment of corrective measures
DMG	Dynegy Midwest Generation, LLC
E008	Quarter 1, 2025 sampling event
E009	Quarter 2, 2025 sampling event
E010	Quarter 3, 2025 sampling event
E011	Quarter 4, 2025 sampling event
EAP	East Ash Pond
GMP	Groundwater Monitoring Plan
GWPS	groundwater protection standard
HPP	Hennepin Power Plant
ID	identification
IEPA	Illinois Environmental Protection Agency
NID	National Inventory of Dams
No.	number
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SI	surface impoundment
SSI	statistically significant increase

EXECUTIVE SUMMARY

1. INTRODUCTION

- D. Identify those constituents with exceedances of the GWPS in 35 I.A.C. § 845.600 and the names of the monitoring wells associated with the exceedance.
- E. Provide the date when the assessment of corrective measures was initiated for the CCR SI.
- F. Provide the date when the assessment of corrective measures was completed for the CCR SI.
- G. Specify whether a remedy was selected under 35 I.A.C. § 845.670 during the current annual reporting period, and if so, the date of remedy selection.
- H. Specify whether remedial activities were initiated or are ongoing under 35 I.A.C. § 845.780 during the current annual reporting period.

This report provides the required information for the HPP EAP for calendar year 2025.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

3. KEY ACTIONS COMPLETED IN 2025

Table A. 35 I.A.C. § 845 Monitoring Program Summary for 2025

Event ID	Sampling Dates ^{1, 2, 3}	Analytical Data Receipt Date	Exceedance Determination Date	ASD Completion Date	Required CMA Initiation Date
E008	January 14 - 17, 2025	February 12, 2025	April 13, 2025	NA	NA
E009	April 8 - 10, 2025	May 19, 2025	July 18, 2025	NA	NA
E010	July 14 - 17, 2025	August 15, 2025	October 14, 2025	NA	NA
E011	October 29 - November 5, 2025	December 16, 2025	TBD ⁴	NA	NA

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

TBD: to be determined

¹ All samples were analyzed for the parameters listed in 35 I.A.C. § 845.600, calcium, and turbidity.

² The following background wells were sampled for events E008 and E009: 07, 08, 08D, 16, and 17. The following background wells were sampled for events E010 and E011: 07, 08, and 08D.

³ The following compliance wells were sampled for each event: 12, 13, 46, 47, 52, and 54

⁴ GWPS exceedances determined after January 31, 2026 will be reported in the Quarter 4, 2025 Groundwater Monitoring Data and Detected Exceedances Report.

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the constituent concentrations observed at compliance monitoring wells identified as Statistical Results in **Table 2** were compared with the GWPSs described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS. No exceedances of the GWPSs were determined as shown on **Figure 2**.

3.3 Exceedances of Background

In accordance with 35 I.A.C. § 845.610(b)(3)(B), constituent concentrations observed at compliance monitoring wells were also evaluated quarterly for exceedances over statistical background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment B** shows the constituent concentrations compared to statistical background levels.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Quarterly groundwater monitoring was completed in 2025. Groundwater samples were collected and analyzed in accordance with the proposed GMP (Ramboll, 2021; Ramboll 2025a) and all data were accepted. After the EAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

5. KEY ACTIVITIES PLANNED FOR 2026

6. REFERENCES

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL</

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845 QUARTERLY REPORT
HENNEPIN POWER PLANT
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TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2025
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EAST ASH POND
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TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2025
845 QUARTERLY REPORT
HENNEPIN POWER PLANT
EAST ASH POND
HENNEPIN, IL</

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2025

845 QUARTERLY REPORT
HENNEPIN POWER PLANT
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TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2025
845 QUARTERLY REPORT
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