



Annual Inspection Report for the Humboldt Station Former Ash Pond

Humbolt, Iowa

Corn Belt Power Cooperative

October 6, 2026

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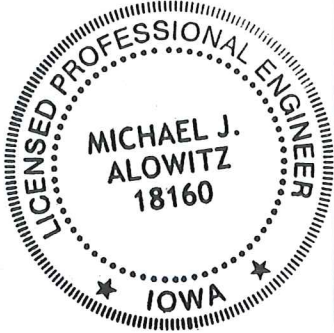
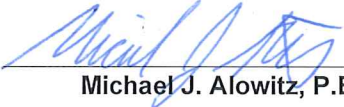
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Certification

**Annual Inspection Report
Humboldt Station Former Ash Pond
Humboldt, Iowa
Corn Belt**

I certify this Annual Inspection Report for the Ames Inactive federal coal combustion residuals (CCR) Impoundment meets the requirements of 40 Code of Federal Regulations (CFR) §257.83(b)(1).

	<i>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer (P.E.) under the laws of the State of Iowa.</i>	
	 Michael J. Alowitz, P.E.	 Date
	License Number:	18160
	My license renewal date is:	December 31, 2026
	Pages or sheets covered by this seal:	Entire Document

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1. Introduction

This inspection report is prepared for the ash pond at the former Humboldt Generation Station (Humboldt Station) owned by Corn Belt Power Cooperative (Corn Belt) in Humboldt, Iowa (Figure 1). The ash pond was identified as a legacy surface impoundment in the Applicability Report for the former Humboldt Generating Station (GHD Services Inc. [GHD], 2025). The Humboldt Station ash pond is subject to annual inspection requirements per the federal coal combustion residuals (CCR) rule and specifically 40 Code of Federal Regulations (CFR) §257.100(f)(3)(iv).

1.1 Scope and Limitations

This report has been prepared by GHD for Corn Belt Power Cooperative and may only be used and relied on by Corn Belt Power Cooperative for the purpose agreed between GHD and Corn Belt Power Cooperative, as set out in Section 1 of this report.

GHD otherwise disclaims responsibility to any person other than Corn Belt Power Cooperative, arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

Accessibility of Documents

If this report is required to be accessible in any other format, this can be provided by GHD upon request and at an additional cost, if necessary.

1.2 Purpose of this Report

The purpose of the annual inspection is to, through observation, ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and generally accepted good engineering practices. Per 40 (CFR §257.83(b)(1), the annual inspection must, at a minimum, include:

- A review of available information regarding the status and condition of the CCR unit, operating records files, weekly inspections, structural stability assessments, and results of previous annual inspections.
- A visual inspection of the CCR unit and appurtenant structures to identify signs of distress or malfunction of the CCR unit and appurtenant structures.
- A visual inspection of any hydraulic structures underlying the base or passing through the dike of the CCR unit for structural integrity and continued safe and reliable operation.
- An inspection report that includes the following:
 - Changes in geometry since the last inspection.
 - Location and type of existing instrumentation and maximum recorded readings since the last inspection.
 - Approximate minimum, maximum, and present depth and elevation of impounded water and CCR since the last inspection.
 - Storage capacity of the impounding structure at time of inspection.

- Approximate volume of impounded water and CCR at the time of inspection.
- Appearance of actual or potential structural weakness of the CCR unit.
- Any other changes which may have affected the stability or operation of the CCR unit since the last inspection.

A site visit and inspection of the former ash pond was conducted November 13, 2025. No previous annual inspection pursuant to the CCR Legacy Rule was conducted prior to this inspection. The next visit for inspection is anticipated to be completed in the last quarter (October through December) of 2026.

This Annual Inspection Report was prepared by GHD on behalf of Corn Belt and may only be used and relied on by Corn Belt for the purpose agreed between GHD and Corn Belt. GHD otherwise disclaims responsibility to any person other than Corn Belt Power Cooperative arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

1.3 Facility Description

Between 1954 and 1985, Humboldt Station operated four generating units. Coal was the primary fuel although natural gas was also a fuel for all four units. Humboldt Station sluiced CCR to an on-site ash pond (Figure 2). The ash pond solids were periodically removed to an on-site landfill. The on-site landfill was closed in 1999 under Iowa Department of Natural Resources (IDNR) permit number 46-SDP-04-90 (Preston Engineering, Inc. [PEI], 2000).

2. Review of Available Information

Mr. Michael Alowitz, P.E. of GHD completed an annual inspection and review of the Corn Belt Humboldt Station Former Ash Pond on November 13, 2025, in accordance with 40 CFR §257.83(b)(1). During the inspection, the weather was calm and sunny with a temperature in the upper 40s degrees Fahrenheit.

2.1 Operating Record Review

In accordance with 40 CFR §257.83(b)(1)(i), GHD reviewed the available information in the operating record for the former ash pond in support of the visual observation discussed below. GHD reviewed operating record materials provided by Corn Belt and the information posted on the Corn Belt's CCR Rule Compliance Data and Information website for this facility.

2.2 Visual Inspection

GHD personnel completed a visual inspection of the former ash pond. The inspection consisted of walking the perimeter of the former ash pond and visual observations. The field visit focused on the following:

- The condition of perimeter embankments and berms; specifically looking for signs of settlement, erosion, slope failure, or inadequate vegetation.
- Stormwater management features.
- Conditions of the former ash pond.
- Vegetation in and around the former ash pond.

3. Annual Inspection Results

The November 2025 inspection serves as a baseline for comparison of future inspections.

Select photographs from the November 2025 visit are provided in the photographic log in Appendix A.

3.1 Instrumentation and Readings

Subparagraph 40 CFR 257.83(b)(2)(ii) requires location and type of existing instrumentation and maximum recorded readings of each instrument since the previous inspection. There is no instrumentation related to berm stability or settlement. There is no instrumentation in or on the former ash pond.

3.2 Depth and Elevation of Impounded Water and CCR

Subparagraph 40 CFR 257.83(b)(2)(iii) requires documentation of the approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection. No standing water was observed in the former ash pond during the inspection. General site topography suggests meteoric water is the only source of water into the former ash pond.

3.3 Storage Capacity

Subparagraph 40 CFR 257.83(b)(2)(iv) requires documentation of the storage capacity of the impounding structure at the time of the inspection. Storage capacity is not applicable since the ash pond is not in active use.

3.4 Volume of Impounded CCR and Water

Subparagraph 40 CFR 257.83(b)(2)(v) requires documentation of the approximate volume of the impounded water and CCR at the time of the inspection; there is no longer impounded water at the former ash pond. The volume of CCR material present in the former ash pond is estimated at 8,600 cubic yards based on historical documentation and test trenching activities in 2025.

3.5 Structural Weakness or Disruptive Conditions

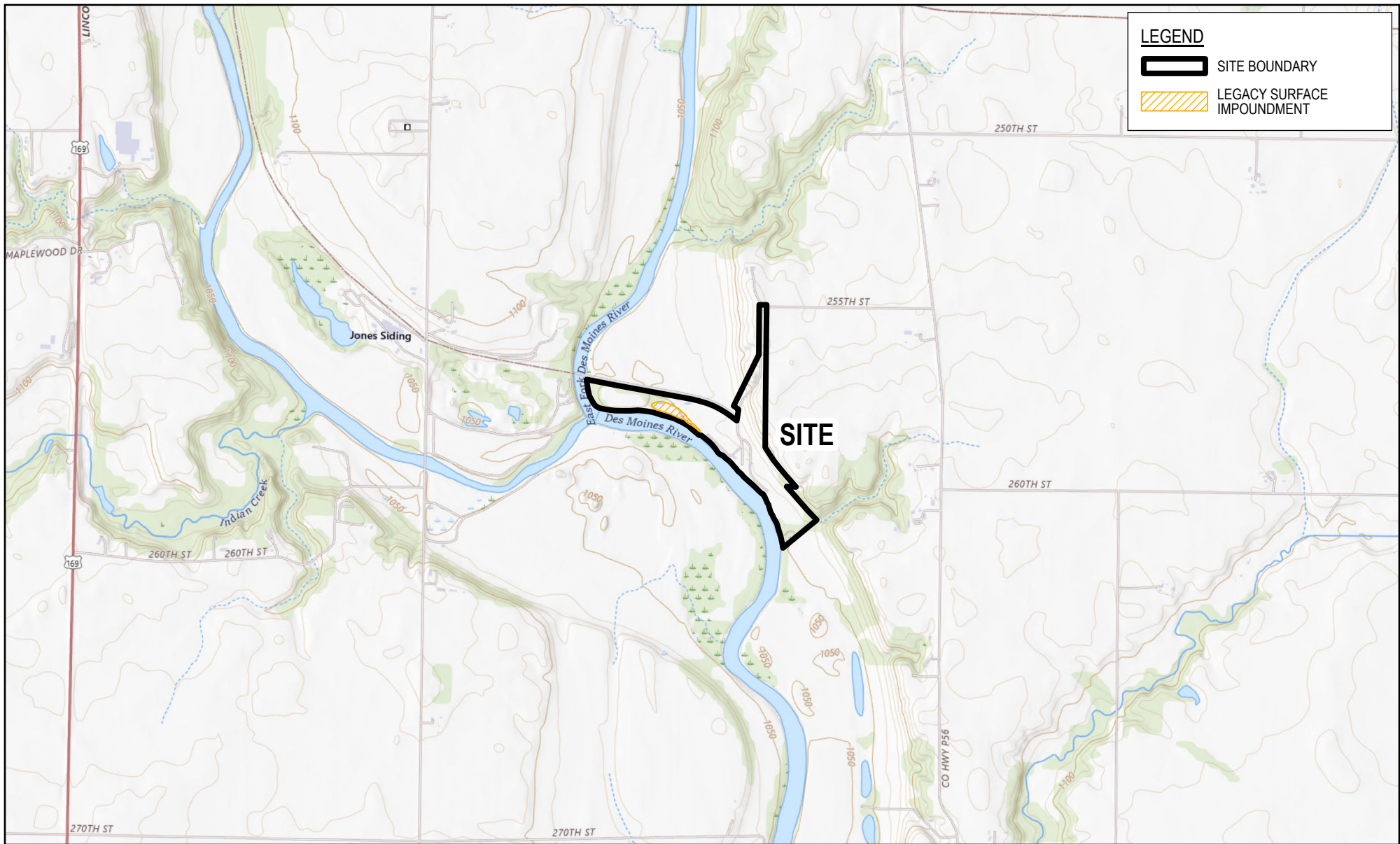
Subparagraph 40 CFR 257.83(b)(2)(vi) requires the inspection report to document any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit and appurtenant structures. No weaknesses or disruptive conditions were noted.

3.6 Other Changes Affecting Stability or Operation

Subparagraph 40 CFR 257.83(b)(2)(vii) requires any other change(s) which may have affected the stability or operation of the impounding structure since the previous annual inspection be documented in the annual inspection report. There is heavy vegetation in the ash pond and surrounding area. The ash pond is not an active management structure so there is no impact on operations. The 2025 inspection serves as the baseline for future inspections.

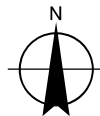
4. Reference

GHD Services Inc., 2025. Applicability Report for the former Humbolt Generating Station June 11, 2025.



Paper Size ANSI A
0 500 1,000 1,500 2,000
Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 UTM Zone 15N



**CORN BELT POWER COOPERATIVE
FORMER HUMBOLDT STATION
HUMBOLDT, IOWA**

Project No. 12659218
Revision No. -
Date 09/10/2026

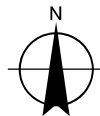
SITE LOCATION

FIGURE 1



Paper Size ANSI A
0 100 200 300
Feet

Map Projection: Lambert Conformal Conic
Horizontal Datum: NAD 1983 2011
Grid: NAD 1983 (2011) 1aRCS zone 4



CORN BELT POWER COOPERATIVE
FORMER HUMBOLDT STATION
HUMBOLDT, IOWA

Project No. 12659218
Revision No. -
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SITE OVERVIEW

FIGURE 2

Appendices

Appendix A

Site Photographic Log

Site Photographs - November 13, 2025



Photo 1 ***North end of ash pond, looking generally west.***



Photo 2 ***Grade outside north end of ash pond. Looking east.***



Photo 3 ***Former outfall structure along river bank, south of ash pond, near north end of ash pond.***



Photo 4 ***Support structure on north side of ash pond, viewed across the ash pond. Looking north.***



Photo 5 **General ground condition at north end of the ash pond. Looking north-northeast.**



Photo 6 **General conditions in east-central part of ash pond. Large tree in background is in the ash pond. Looking north.**



Photo 7 ***General ground conditions in the central area of the ash pond. Looking north.***



Photo 8 ***General conditions in the central west part of the ash pond. Looking north.***



Photo 9 ***West end of ash pond floor. Looking northeast.***



Photo 10 ***Access road at west end of the ash pond. Looking east.***



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