2025 VISUAL INSPECTION OF ASH POND SYSTEM
RATTS GENERATING STATION (RETIRED), HOOSIER ENERGY

FRANK E. RATTS GENERATING STATION (RETIRED)
6925 NORTH BLACKBURN ROAD
PETERSBURG, INDIANA 47567

ATLAS PROJECT NO. 170LF01731

FEBRUARY 4, 2025

PREPARED FOR:

HOOSIER ENERGY RURAL ELECTRIC COOPERATIVE, INC.
2501 SOUTH COOPERATIVE WAY
BLOOMINGTON, INDIANA 47403

ATTENTION: MR. LON M. PETTS

February 7, 2025

Mr. Lon M. Petts
Environmental Team Leader
Hoosier Energy
2501 South Cooperative Way
Bloomington, Indiana 47403-5175

Re: 2025 Visual Inspection of Ash Pond System
Ratts Generating Station (Retired)
Hoosier Energy Rural Electric Cooperative, Inc.
Frank E. Ratts Generating Station (Retired)
Petersburg, Indiana
ATLAS Project No. 170LF01731

Dear Mr. Petts:

Atlas Technical Consultants (Atlas) gladly presents the findings of the 2025 Visual Site Inspection of the Ratts Generating Station (Retired) Ash Pond System. Ratts Generating Station ceased operation in March 2015 and buildings associated with the generating facilities have been demolished. The Ash Pond System consists of Ponds 1, 2, 3, 4 Southeast, 4 South, and 4 North. The facility's permitted Restricted Waste Site Type I (RWS I) Landfill is co-located within the solid waste boundary of the Ash Pond System. This visual inspection and report were done in accordance with guidelines established by the Coal Combustion Residuals (CCR) Rule published by the Environmental Protection Agency (EPA) on April 17, 2015.

The scope of work limited this inspection to an examination of readily observable surficial features of the ash pond embankments and associated appurtenant structures, and a review of information that was provided to Atlas by Hoosier Energy. Please note that the inspection did not include any test drilling, testing of materials, precise physical measurements of ash pond system features, detailed calculations to verify slope stability, or other engineering analyses. Although competent personnel conducted the inspection in accordance with generally accepted methods for ash pond systems, it should not be considered as a warranty or guaranty of the future performance/safety of the ash pond embankments.

The Ratts Generating Station Ash Basin Pond System is located about four (4) miles north of the City of Petersburg in Pike County, Indiana, and west of State Road 57 (Figure 1). The ash pond system encompasses an area of approximately 95.3 acres (Figure 2).

Atlas conducted the ash pond inspection on two separate dates. Juan Carrizo and Michael Thornbrue performed the first portion of the inspection on June 4, 2024. Juan Carrizo and Aaron

Day performed the second portion of the inspection on January 17, 2025. The weather conditions during the first inspection were around 74°F and cloudy, and for the second inspection it was 40°F and sunny.

This report provides a summary of the engineering observations of the ash pond system including condition of the pond embankment side slopes, grading and erosion, vegetation, haul roads, perimeter ditches, downdrain channels, riprap areas, culverts, and other adjacent structures. A vicinity map and an aerial map included in Figures 1 and 2 present the location and limits of the ash pond system.

Atlas performed the Annual Inspection to address the standards and guidelines required by the CCR Rule instituted by the Environmental Protection Agency on April 17, 2015. In accordance with 40 C.F.R. §257.83(b), qualified Professional Engineer must conduct annual inspections of ash ponds. Listed below are requirements specified within the CCR Rule, and the observations made by Juan D. Carrizo during the annual inspection:

i. A review of available information regarding the status and condition of the CCR Unit;
ii. A visual inspection of the CCR Unit to identify signs of distress or malfunction;
iii. A visual inspection of any hydraulic structures underlying the base of the CCR unit.

Inspection Summary

Atlas visually inspected the embankments for the Ash Ponds System which consist of Ponds 1, 2, 3, 4 Southeast, 4 South, and 4 North and found no areas of instability. Access roads were well maintained, and no fugitive dust issues were observed. Stormwater control structures appeared to be well maintained and serving their intended purpose. Groundwater monitoring wells, solid waste boundary markers, and facility limit markers were in place.

Except for Ash Pond 4 North, Ash Pond 4 South and Ash Pond 1, the Ash Pond System does not retain or impound surface water. The surface cover consists of grass type vegetation that is well maintained, and in good condition throughout the cover of the ash pond system. No woody materials or erosion were seen in the vegetative cover and no waste migration was observed.

A permitted RWS I landfill and leachate collection pond, constructed in 2011, occupy portions of Pond 2, Pond 3 and Pond 4 Southeast. The landfill has an intermediate cover that consists of 18 inches of soil and vegetation. Both, the landfill and the leachate collection pond appear well maintained.

Pond 4 North, which receives drainage from all the Ash Pond System except for Pond 1, serves as a stormwater settling pond. Pond 4 North then drain north through an NPDES outlet to the White River. Pond 4 North and its outlet appear to be well maintained and in good condition. For Pond 1, any surface water collected gravity drains to an existing perimeter ditch along the railroad tracks to the east which then drains south via a stormwater drop inlet and pipe that is part of an NPDES outfall. Both, perimeter ditch and outfall structure appear in good condition.

A description of the inspection findings is presented in sections below.

Review of Records

Hoosier Energy's operating records such as monthly and quarterly inspection reports for 2024 were reviewed and found to be representative of current conditions with no deficiencies noted.

Changes in Geometry of Ash Pond

Changes in geometry were evaluated using the following method: comparing site topographic information (dated 2018), and recent aerial photos (September 2023). Based on the assessment described, there were no changes detected to the geometry of Ponds 1, 2, 3, 4 Southeast, 4 South, and 4 North. The Ash Pond System does not retain or impound surface waters, except for Pond 4 North, which serves as temporary detention pond for the settling of stormwater sediments. Any surface waters collected in Pond 4 South drains to a perimeter drainage ditch. For Pond 1, the surface drainage is evacuated via a gravity drain that flows to an outfall on the south side of the pond, and along the existing railroad tracks.

Depth and Storage Capacity of Ash Pond System

Of the ash pond system, Pond 4 North, Pond 4 South, and Pond 1 have the capacity to store or impound surface water. Pond 2 and Pond 3 are graded to drain to adjacent perimeter ditch and do not retain or store drainage or surface waters. Included below is Table 1 that lists the approximate depth elevations, and storage volume capacity of the CCR units at the time of the inspection.

Table 1. CCR Units Volume Storage Capacity and Depth at Time of Inspection

CCR Unit	Min. Depth Elev. (feet)	Max Depth Elev. (feet)	Present Depth Elev. (feet)	Storage Capacity (acre-feet)	Approximate Volume (acre-feet)
Pond 4 North	415.0	432.0	415.0	82.6	0.0
Pond 4 South	431.4	440.0	431.4	150.1	0.0
Pond 1	428.0	436.0	431.3	40.6	7.0

Structural Integrity

All the ash pond embankment slopes appear to be stable with no visual indications or signs of sloughing or subsidence were detected during this inspection. No woody or excessive vegetation growth was encountered. Based on observation of the ash pond system, there is no appearance of an actual or potential structural weakness.

Monitoring Instrumentation

A set of monitoring wells are screened in the uppermost confined aquifer associated with the ash pond system. Three of the aquifer wells have dedicated pressure transducers for continuous water level monitoring. The wells are gaged to measure potentiometric head and sampled to investigate groundwater quality. The confined aquifer is in hydraulic communication with the White River, and potentiometric head in the confined aquifer varies from approximately El 424 to El 401 depending on the time of year and river stage. Several piezometers are screened in the natural, low-permeability confining layer deposited on top of the aquifer. Three of confining layer piezometers have dedicated pressure transducers. Head in the confining layer ranges from approximately El 428 to El 414 depending on the time of year. A set of piezometers are installed to measure water levels in impounded ash. Four ash piezometers have dedicated pressure transducers. Water levels in ash vary from approximately El 433 to El 426.

Stability and Operation

Based on observations of the ash pond system on the two inspections conducted, the ash pond embankments appear generally in good condition with the slopes well vegetated in most places. No deficiencies were noted, and the operation of the ash pond system is not expected to be adversely affected by any items detected during the 2025 inspection.

We appreciate the opportunity to assist you with this project. If you have any questions concerning information contained in this report, please do not hesitate to call either of the undersigned at 317.849.4990.

Sincerely,

Atlas Technical Consultants L.L.C.

Juan D. Carrizo, P.E.
Senior Project Engineer

Michael D. Thornbrue, P.E.
Principal Engineer

JUAN DAVID CARRIZO
REGISTERED
No. PE11500037
STATE OF INDIANA
PROFESSIONAL ENGINEER

2/7/2025

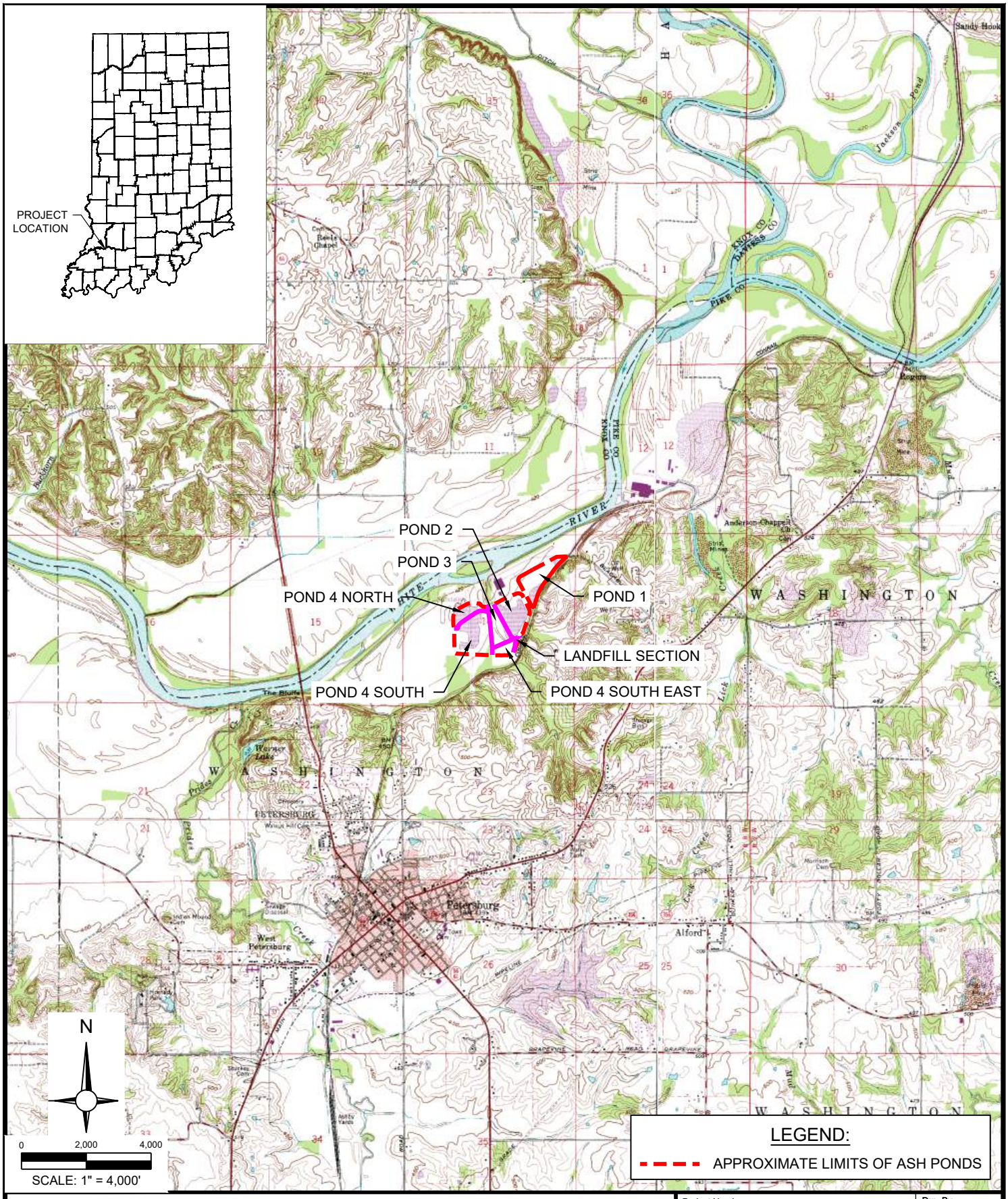
Attachments:

Figure 1 Vicinity Map
Figure 2 Aerial Map of Ash Pond System

Attachments

Figure 1 Vicinity Map

Figure 2 Aerial Map of Ash Pond System



VICINITY MAP

FRANK E. RATTS GENERATING STATION (RETIRED) ASH POND SYSTEM
HOOSIER ENERGY RURAL ELECTRIC COOPERATIVE, INC.
6825 N. BLACKBURN ROADPETERSBURG, INDIANA

Project Number: 170LF01731		Drn. By: BH
Date: 02/04/2025	Scale: AS SHOWN	Ckd. By: JC
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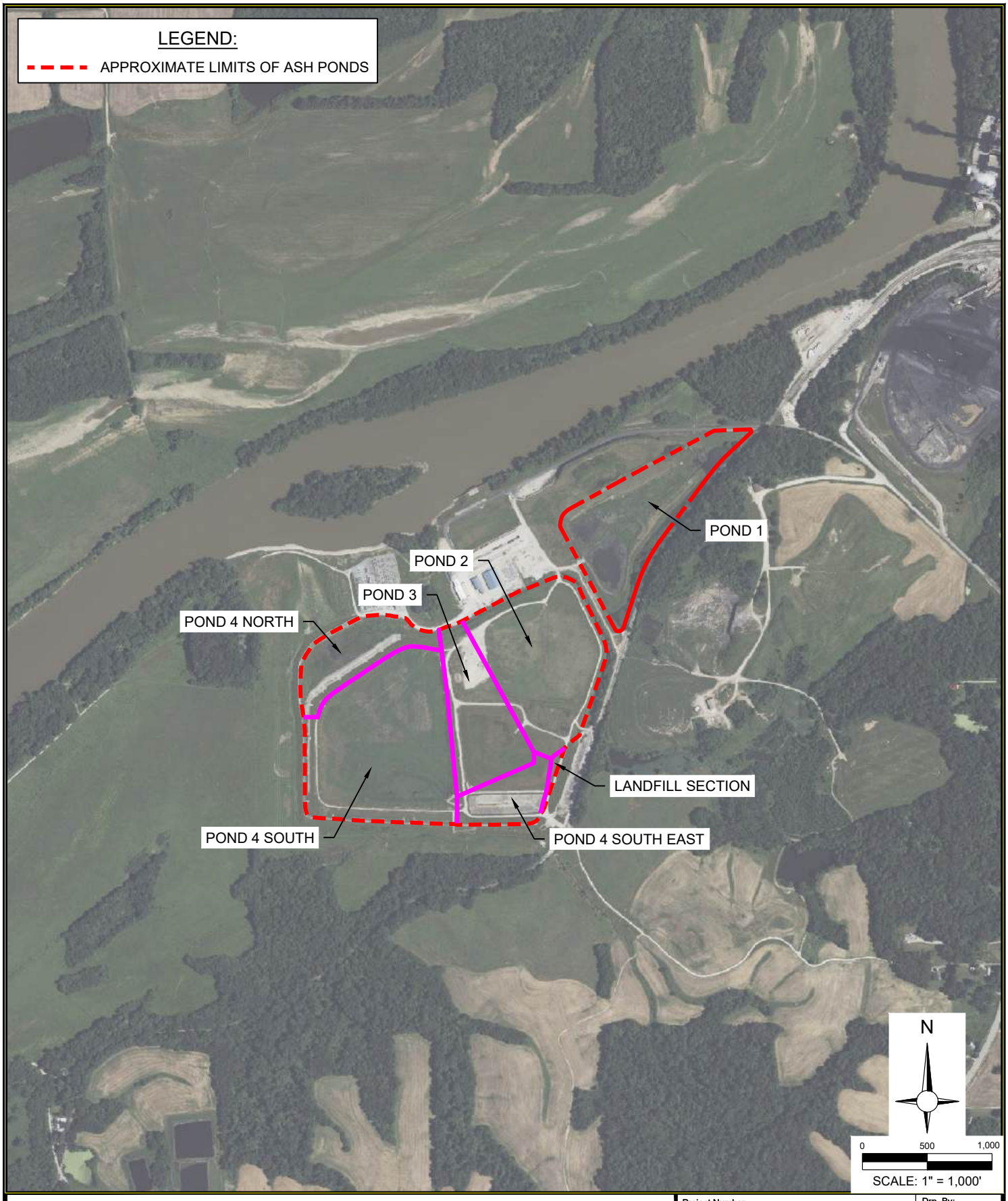

AERIAL MAP

FRANK E. RATTS GENERATING STATION (RETIRED) ASH POND SYSTEM
HOOSIER ENERGY RURAL ELECTRIC COOPERATIVE, INC.
6825 N. BLACKBURN ROADPETERSBURG, INDIANA

Project Number: 170LF01731		Drn. By: BH
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