



Pond A Legacy CCR Impoundment

Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule Legacy CCR Impoundment Structural Integrity Criteria History of Construction

February 9, 2026

Prepared By:



Project ID: 25-0007

Big Rivers Electric Corporation
Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule
Legacy CCR Impoundment Structural Integrity Criteria
History of Construction

CCR Surface Impoundment Information

Name: Pond A Legacy CCR Impoundment
Operator: BREC Coleman Station
Address: 4982 River Road
Hawesville, Kentucky 42348

Qualified Professional Engineer

Name: David A. Lamb
Company: Associated Engineers, Inc.
Kentucky P.E. Number: 17822

Regulatory Applicability

As part of the 40 CFR § 257.73 Structural Integrity Criteria for Existing Legacy CCR Surface Impoundments requirements, an owner or operator of an existing CCR surface impoundment that either has a height of five feet or more and a storage volume of 20 acre-feet or more; or has a height of 20 feet or more must, no later than February 9, 2026, compile a history of construction, which shall contain, to the extent feasible, the information specified below:

1. The name and address of the person(s) owning or operating the CCR unit; the name associated with the CCR unit; and the identification number of the CCR unit if one has been assigned by the state.

Name of owner: Big Rivers Electric Corporation
Address of owner: 710 W 2nd Street
Owensboro, Kentucky 42301
Name of CCR unit: Coleman Station Pond A Legacy CCR
Impoundment
Identification number of CCR unit: Kentucky State Dam Inventory System ID No.
01255

An aerial photo of the CCR unit is provided as Attachment A.

2. The location of the CCR unit identified on the most recent U.S. Geological Survey (USGS) 7.5 minute or 15 minute topographic quadrangle map, or a topographic map of equivalent scale if a USGS map is not available.

An excerpt from U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps showing the location of the CCR unit is provided as Attachment B.

3. A statement of the purpose for which the CCR unit is being used.

The Legacy CCR unit was used for the placement of coal combustion residual material; Primarily sluiced fly ash and bottom ash. No CCR was placed in the pond after the coal units were retired in May 2014.

4. The name and size in acres of the watershed within which the CCR unit is located.

The immediate watershed that drains to the CCR unit, in which the CCR unit is located, is unnamed and 48 acres in size.

5. A description of the physical and engineering properties of the foundation and abutment materials on which the CCR unit is constructed.

The CCR unit is a combined incised/earthen embankment structure. Embankments form the perimeter of the structure. The lower portion of the structure is incised. The interior of the pond was used as a borrow area. Original ground inside the structure ranged in elevation from elevation 390 to elevation 400. Based on the Burns & Roe, Inc. Design Manual dated February 1980 the borrow excavation went as low as elevation 388. The Ohio River is located approximately 200 feet east of the structure. Due to surface relief, the toe area of the structure is subject to flooding. The area was made up of cultivated fields containing a house place. The area generally drains east to the Ohio River. Underlying preconstruction soils consisted of Quaternary Alluvium. This material is variable in composition, locally consisting of unconsolidated sand, gravel, silt, or clay. Bedrock underlying the site is part of the Pennsylvanian Caseyville and Tradewater formations. Bedrock lies a 115' to 165' below the surface.

6. A statement of the type, size, range, and physical and engineering properties of the materials used in constructing each zone or stage of the CCR unit; the method of site preparation and construction of each zone of the CCR unit; and the approximate dates of construction of each successive stage of construction of the CCR unit.

The Soil Survey of Daviess and Hancock Counties, Kentucky, published by the U.S. Department of Agriculture Soil Conservation Service, indicates the following soil units to be present at the surface over the site: Otwell silt loam (OtA), Wheling loam (WnB), Weinbach silt loam (9Wh), Newark silt loam (Ne), Elk silt loam (EkB), Jacob silty clay loam (Ja), and the Ginat silt loam (Gn).

Although several units are represented, they exhibit a similar range of properties with regard to texture and engineering. Most are silt loams or silty clay loams, with

engineering classification being silt (ML), silty clay (CL-ML), or lean clay (CL). Shrink-swell potential is generally low. This was verified by the geotechnical data obtained in the SM&E geotechnical report dated April 2019.

Work was initiated in 1980. Based on the design criteria material was placed in controlled compacted lifts with density testing on successive lifts.

The dike is generally at elevation 415. The dike reaches a maximum height of 27 feet along the northwest corner. The dike reaches a maximum height of approximately 28 feet on the northwest corner. The Associated Engineers, Inc. survey dated March 20, 2019 was reviewed. It should be noted that the current condition was field verified. Based on grading activities that have occurred after the pond ceased receiving CCR there is no longer impounded water visible in the structure. The SM&E geotechnical report dated April 2019 indicated that no groundwater was encountered in holes drilled inside the pond limits.

7. At a scale that details engineering structures and appurtenances relevant to the design, construction, operation, and maintenance of the CCR unit, detailed dimensional drawings of the CCR unit, including a plan view and cross sections of the length and width of the CCR unit, showing all zones, foundation improvements, drainage provisions, spillways, diversion ditches, outlets, instrument locations, and slope protection, in addition to the normal operating pool surface elevation and the maximum pool surface elevation following peak discharge from the inflow design flood, the expected maximum depth of CCR within the CCR surface impoundment, and any identifiable natural or manmade features that could adversely affect operation of the CCR unit due to malfunction or mis-operation.

Legacy CCR Surface Impoundment Pond A historical engineering drawings and notes that were reviewed for this report were provided by Big Rivers Electric Corporation and are maintained at the Big Rivers Electric Corporation corporate office in Owensboro, Kentucky.

Additional information determined during the 2026 Second Annual Legacy CCR Inspection follows:

The Inactive Ash Pond A Legacy CCR Impoundment is a combined incised/earthen embankment structure. The pond covers an area of approximately forty-eight (48) acres; the embankment is approximately 5,900 feet long with a maximum height of 30 feet. The east embankment faces the Ohio River and has rock toe armoring and a rock downstream slope where the spillway is located. The embankments were built with 2.5:1 upstream and downstream slopes.

Based on our review of historic documentation the approximate volume of CCR contained in Pond A is 1,470,000 cubic yards. This volume estimate was calculated based on the design drawings and historic survey information.

8. A description of the type, purpose, and location of existing instrumentation.

There are six piezometers associated with the Inactive Ash Pond A CCR Surface Impoundment.

*Maximum elevation above mean sea level (AMSL) measured at each piezometer since Jan 1, 2025:

Piezometer ID	Top of Casing Elevation (AMSL)	Depth to Static Water Level	Static Water Elevation* (AMSL)
P-1	414.87	17.50	397.37
P-2	414.90	12.13	402.77
P-3	395.07	17.55	377.52
P-4	394.51	16.76	377.75
P-5	397.33	17.15	380.18
P-6	415.74	8.83	406.91

9. Area-capacity curves for the CCR unit.

No accurate historic area capacity curves were located for the CCR unit during the review of construction records. The following information was determined during the 2026 Second Annual Inspection:

The pond currently does not impound water. The Inactive Ash Pond A Legacy CCR Impoundment is a combined incised/earthen embankment structure. The pond covers an area of approximately forty-eight (48) acres; the embankment is approximately 5,900 feet long with a maximum height of 30 feet. The east embankment faces the Ohio River and has rock toe armoring and a rock downstream slope where the spillway is located. The embankments were built with 2.5:1 upstream and downstream slopes.

Based on our review of historic documentation the approximate volume of CCR contained in Pond A is 1,470,000 cubic yards. This volume estimate was calculated based on the design drawings and historic survey information.

10. A description of each spillway and diversion design features and capacities and calculations used in their determination.

The structure is an elevated dam and there are no diversion features preventing water from entering the structure. There are diversion swales along the toe of the structure to direct

water to the appropriate location as it relates to adjacent uses. The following information was determined during the 2026 second Annual Inspection:

The CCR impoundment emergency discharge consists of a rip rap trapezoidal channel with a bottom width of 20 feet at elevation 414 feet with 30:1 side slopes to elevation 415. This discharges into a rip rap energy dissipation pad. There is no evidence that this emergency spillway has discharged. The primary discharge of the impoundment is a discharge structure with adjustable stop logs with a minimum elevation of 388 discharging to a 36" RCP at elevation 386 which discharges to the Ohio River. Stop logs have been placed to elevation 408 and the pond shows no evidence of discharging or accumulating water.

11. The construction specifications and provisions for surveillance, maintenance, and repair of the CCR unit.

The CCR unit has been in place for 46 years. There is no current construction thus no applicable construction specification. Per Final Rule CCR requirements, the CCR unit is inspected as follows:

Monthly Instrumentation Inspection

Monitoring of the embankment and discharge facilities of the CCR unit must be conducted by a qualified person no less than once per month.

Annual CCR Unit Inspection

The CCR unit inspection must be conducted annually throughout its operating life. These annual inspections are focused primarily on the structural stability of the CCR surface impoundment and must ensure that the operation and maintenance of the CCR surface impoundment is in accordance with recognized and generally accepted good engineering standards.

The CCR unit operator has general maintenance and repair procedures in place as they determine necessary.

12. Any record or knowledge of structural instability of the CCR unit.

There are no known occurrences of structural instability of the CCR unit.

Sources of Information

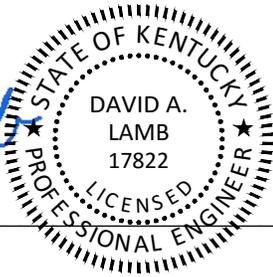
Geotechnical and other information provided by Associated Engineers, Inc.

Engineering drawings, notes and other information provided by Big Rivers Electric Corporation

United States Geological Survey U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps

**Professional Engineer Certification [Per 40 CFR § 257.73]
Coleman Station Pond A Legacy CCR Impoundment History of Construction**

I hereby certify that myself or an agent under my review has prepared this History of Construction Report (Report), and being familiar with the provisions of the final rule to regulate the disposal of coal combustion residuals (CCR) as solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA), attest that this Report has been prepared in accordance with good engineering practices and meets the intent of 40 CFR Part 257.73. To the best of my knowledge and belief, the information contained in this Report is true, complete, and accurate.

David A. Lamb P.E.

State of Kentucky License No. 17822

Date: 2/9/2026



Big Rivers Electric Corp.

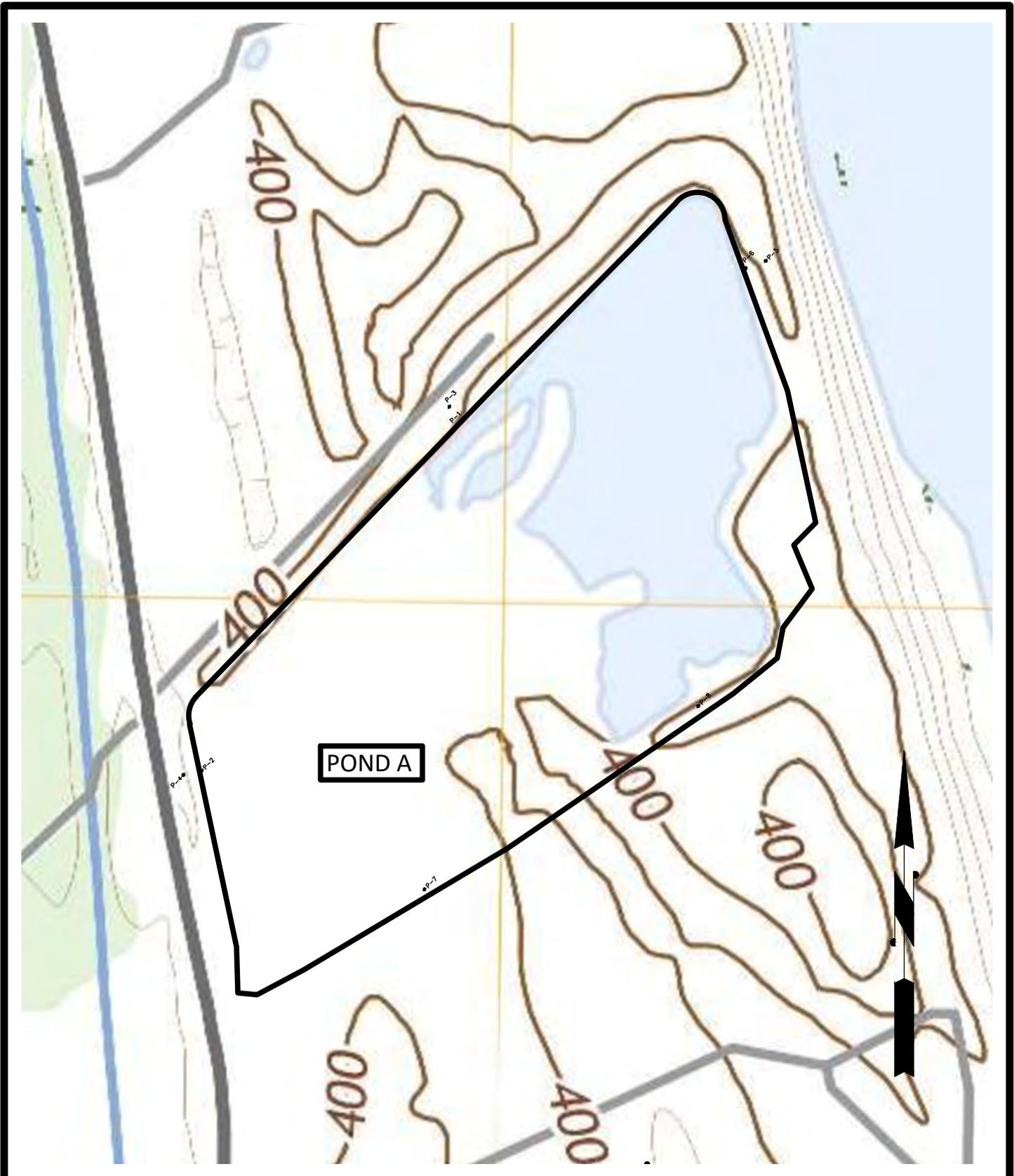
Coleman Facility, Hawesville, Kentucky
Attachment A: Pond A Inspection Map

Job Number:	25-0007	Revisions:
Date:	01/30/2026	
Scale:	1" = 400'	
Drawn By:	D.T.H.	

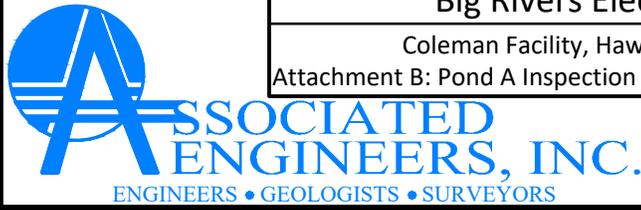
Owensboro, KY
Phone: (270) 684-8450

2740 North Main St. ■ Madisonville, KY 42431
Phone: (270) 821-7732 ■ Fax: (270) 821-7789
www.associatedengineers.com

Lexington, KY
Phone: (859) 286-3000



POND A



Big Rivers Electric Corp.
 Coleman Facility, Hawesville, Kentucky
 Attachment B: Pond A Inspection Map - USGS TOPO OVERLAY

Job Number:	25-0007	Revisions:
Date:	01/30/2026	
Scale:	1" = 400'	
Drawn By:	D.T.H.	

Owensboro, KY
 Phone: (270) 684-8450

2740 North Main St. • Madisonville, KY 42431
 Phone: (270) 821-7732 • Fax: (270) 821-7789
www.associatedengineers.com

Lexington, KY
 Phone: (859) 286-3000



Pond C Legacy CCR Impoundment

Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule Legacy CCR Impoundment Structural Integrity Criteria History of Construction

February 9, 2026

Prepared By:



Project ID: 25-0007

Big Rivers Electric Corporation
Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule
Legacy CCR Impoundment Structural Integrity Criteria
History of Construction

CCR Surface Impoundment Information

Name: Pond C Legacy CCR Impoundment
Operator: BREC Coleman Station
Address: 4982 River Road
Hawesville, Kentucky 42348

Qualified Professional Engineer

Name: David A. Lamb
Company: Associated Engineers, Inc.
Kentucky P.E. Number: 17822

Regulatory Applicability

As part of the 40 CFR § 257.73 Structural Integrity Criteria for Existing Legacy CCR Surface Impoundments requirements, an owner or operator of an existing CCR surface impoundment that either has a height of five feet or more and a storage volume of 20 acre-feet or more; or has a height of 20 feet or more must, no later than February 9, 2026, compile a history of construction, which shall contain, to the extent feasible, the information specified below:

1. The name and address of the person(s) owning or operating the CCR unit; the name associated with the CCR unit; and the identification number of the CCR unit if one has been assigned by the state.

Name of owner: Big Rivers Electric Corporation
Address of owner: 710 W 2nd Street
Owensboro, Kentucky 42301
Name of CCR unit: Coleman Station Pond C Legacy CCR
Impoundment
Identification number of CCR unit: Kentucky State Dam Inventory System ID No.
01255

An aerial photo of the CCR unit is provided as Attachment A.

2. The location of the CCR unit identified on the most recent U.S. Geological Survey (USGS) 7.5 minute or 15 minute topographic quadrangle map, or a topographic map of equivalent scale if a USGS map is not available.

An excerpt from U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps showing the location of the CCR unit is provided as Attachment B.

3. A statement of the purpose for which the CCR unit is being used.

The Legacy CCR unit was used for the placement of coal combustion residual material; Primarily slurried bottom ash and fly ash. No CCR was placed in the pond after the coal units were retired in May 2014. The unit has been covered with soil to support a vegetative cover and is mowed regularly.

4. The name and size in acres of the watershed within which the CCR unit is located.

The immediate watershed that drains to the CCR unit, and in which the CCR unit is located, is unnamed and 90 acres in size.

5. A description of the physical and engineering properties of the foundation and abutment materials on which the CCR unit is constructed.

The CCR unit is a combined incised/earthen embankment structure. Embankments with a maximum height of 15 feet form the perimeter of the structure. The lower portion of the structure is incised. The interior of the pond was used as a borrow area. The Ohio River is located approximately 800 feet east of the structure. Due to surface relief, the toe area of the south dike is subject to flooding. The area was made up historically of cultivated fields, draining to the Ohio River. Underlying preconstruction soils consisted of Quaternary Alluvium. This material is variable in composition, locally consisting of unconsolidated sand, gravel, silt, or clay. Bedrock underlying the site is part of the Pennsylvanian Caseyville and Tradewater formations. Bedrock lies a 115' to 165' below the surface.

6. A statement of the type, size, range, and physical and engineering properties of the materials used in constructing each zone or stage of the CCR unit; the method of site preparation and construction of each zone of the CCR unit; and the approximate dates of construction of each successive stage of construction of the CCR unit.

The Soil Survey of Daviess and Hancock Counties, Kentucky, published by the U.S. Department of Agriculture Soil Conservation Service, indicates the following soil units to be present at the surface over the site: Otwell silt loam (OtA), Wheling loam (WnB), Weinbach silt loam (9Wh), Newark silt loam (Ne), Elk silt loam (EkB), Jacob silty clay loam (Ja), and the Ginat silt loam (Gn).

Although several units are represented, they exhibit a similar range of properties with regard to texture and engineering. Most are silt loams or silty clay loams, with engineering classification being silt (ML), silty clay (CL-ML), or lean clay (CL). Shrink-swell potential is generally low. This was verified by the geotechnical data obtained

during geotechnical investigations performed by SM&E in April 2019. This data was reviewed as part of this report. The final as Built for this structure is dated February 12, 1971. Historic drawings provided by Big Rivers Electric Corporation and reviewed as a part of this report show the pond to be very close to full in August of 1990.

The dike is generally at elevation 405. The dike reaches a maximum height of 15 feet along the west and southern portion of the structure. There is also a rail bed constructed along the west and north portion of the dike. The east side of the structure appears to be incised. The north side of the structure is contained by fill placed for the plant entrance road and plant construction.

There are numerous transmission lines and associated power poles throughout the pond. The pond has had a soil cover placed and the area is currently vegetated and maintained.

7. At a scale that details engineering structures and appurtenances relevant to the design, construction, operation, and maintenance of the CCR unit, detailed dimensional drawings of the CCR unit, including a plan view and cross sections of the length and width of the CCR unit, showing all zones, foundation improvements, drainage provisions, spillways, diversion ditches, outlets, instrument locations, and slope protection, in addition to the normal operating pool surface elevation and the maximum pool surface elevation following peak discharge from the inflow design flood, the expected maximum depth of CCR within the CCR surface impoundment, and any identifiable natural or manmade features that could adversely affect operation of the CCR unit due to malfunction or mis-operation.

Legacy CCR Surface Impoundment Pond C historical engineering drawings and notes that were reviewed for this report were provided by Big Rivers Electric Corporation and are maintained at the Big Rivers Electric Corporation corporate office in Owensboro, Kentucky.

Additional information determined during the 2026 Second Annual Legacy CCR Inspection follows:

The Inactive Ash Pond C Legacy CCR Impoundment is a combined incised/earthen embankment structure. The pond covers an area of approximately ninety (90) acres; the crest is approximately 8,000 feet long with the earthen embankment being approximately 6,300 feet long with a maximum height of 15 feet. The embankments were built with 2:1 upstream and downstream slopes. A decant is located in the southern area of the pond; the decant valve has been closed so no water is discharged.

There is no impounded water in the structure at this time. There are areas inside the structure where the covered and vegetated CCR reaches elevation 412. Based on review of geotechnical data, the CCR reaches an estimated maximum thickness of 19 feet.

8. A description of the type, purpose, and location of existing instrumentation.

There are five piezometers associated with the Inactive Ash Pond C Legacy CCR Impoundment.

*Maximum elevation above mean sea level (AMSL) measured at each piezometer since Jan 1, 2025:

Piezometer ID	Top of Casing Elevation (AMSL)	Depth to Static Water Level	Static Water Elevation* (AMSL)
P-1A	405.12	4.55	400.57
P-2A	403.39	7.44	395.95
P-3A	408.78	12.70	396.08
P-4	397.15	21.74	375.41
P-5	400.20	22.60	377.60

9. Area-capacity curves for the CCR unit.

No accurate historic area capacity curves were located for the CCR unit during the review of construction records. The following information was determined during the 2026 Second Annual Inspection:

There is no impounded water in the structure currently. There are areas inside the structure where the covered and vegetated CCR reaches elevation 412. Based on review of geotechnical data, the CCR reaches an estimated maximum thickness of 19 feet.

The facility has no usable remaining storage capacity based on the most recent survey.

10. A description of each spillway and diversion design features and capacities and calculations used in their determination.

The structure is an elevated dike and there are no diversion features. The following information was determined during the 2026 second Annual Inspection:

The impoundment has a gated outfall structure located approximately 935 feet east of the southwest corner of the structure. The valve remains closed at all times and the pond area is a vegetated field which absorbs the precipitation from rainfall events.

11. The construction specifications and provisions for surveillance, maintenance, and repair of the CCR unit.

The CCR unit has been in place for approximately 55 years. There is no current

construction thus no applicable construction specification. The facility reports that there has been no maintenance activities beyond normal mowing. Per Final Rule CCR requirements, the CCR unit is inspected as follows:

Monthly Instrumentation Inspection

Monitoring of the embankment and discharge facilities of the CCR unit must be conducted by a qualified person no less than once per month.

Annual CCR Unit Inspection

The CCR unit inspection must be conducted annually throughout its operating life. These annual inspections are focused primarily on the structural stability of the CCR surface impoundment and must ensure that the operation and maintenance of the CCR surface impoundment is in accordance with recognized and generally accepted good engineering standards.

The CCR unit operator has general maintenance and repair procedures in place as they determine necessary.

12. Any record or knowledge of structural instability of the CCR unit.

There are no known occurrences of structural instability of the CCR unit.

Sources of Information

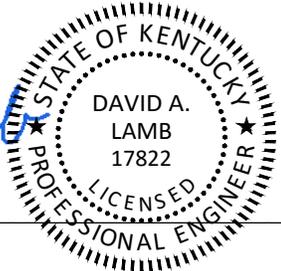
Geotechnical and other information provided by Associated Engineers, Inc.

Engineering drawings, notes and other information provided by Big Rivers Electric Corporation

United States Geological Survey U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps

**Professional Engineer Certification [Per 40 CFR § 257.73]
Coleman Station Pond C Legacy CCR Impoundment History of Construction**

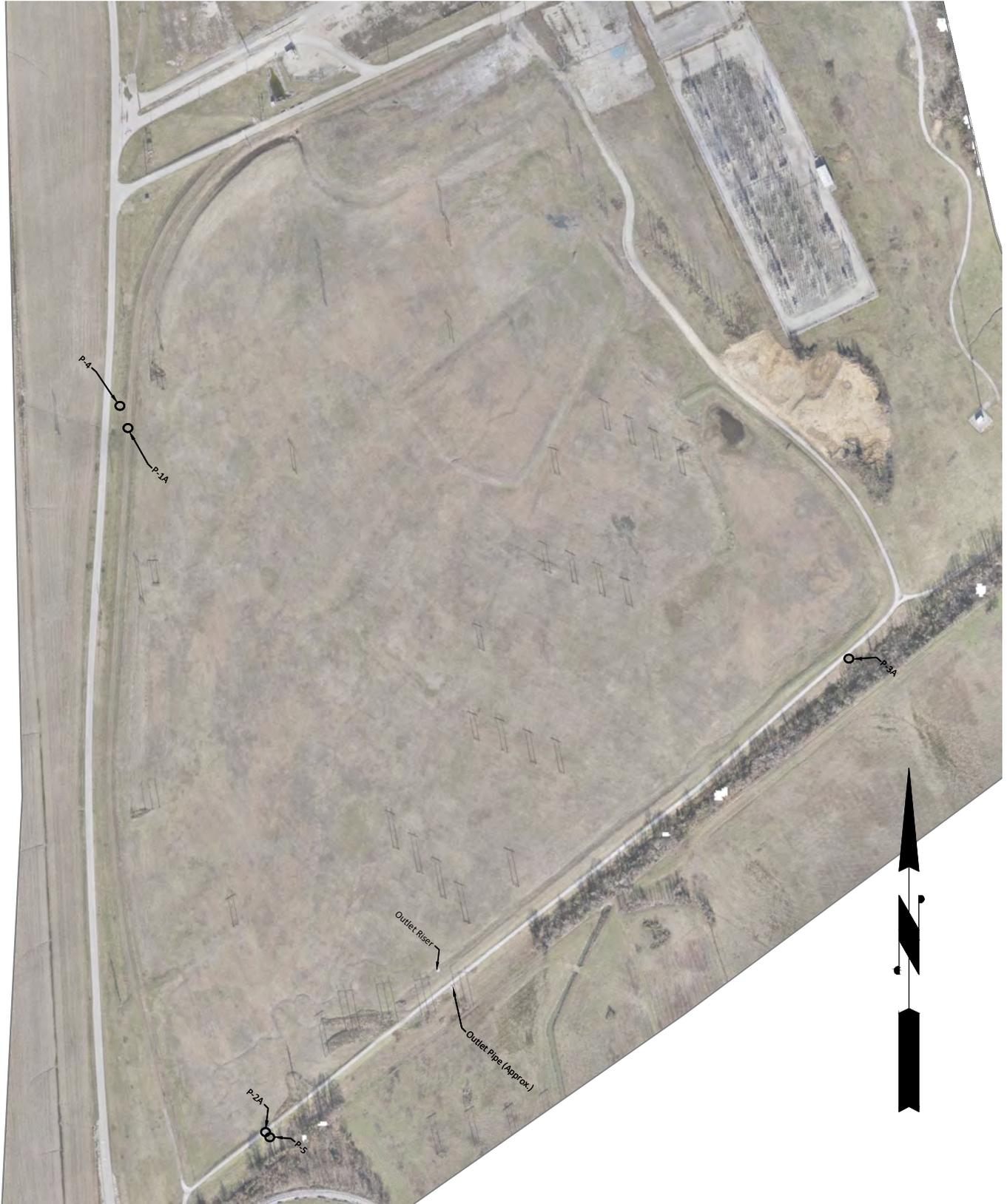
I hereby certify that myself or an agent under my review has prepared this History of Construction Report (Report), and being familiar with the provisions of the final rule to regulate the disposal of coal combustion residuals (CCR) as solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA), attest that this Report has been prepared in accordance with good engineering practices and meets the intent of 40 CFR Part 257.73. To the best of my knowledge and belief, the information contained in this Report is true, complete, and accurate.

David A. Lamb P.E.

State of Kentucky License No. 17822

Date: 2/9/2026



Big Rivers Electric Corp.

Coleman Facility, Hawesville, Kentucky
Attachment A: Pond C Inspection Map

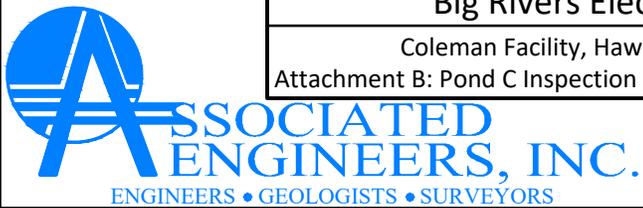
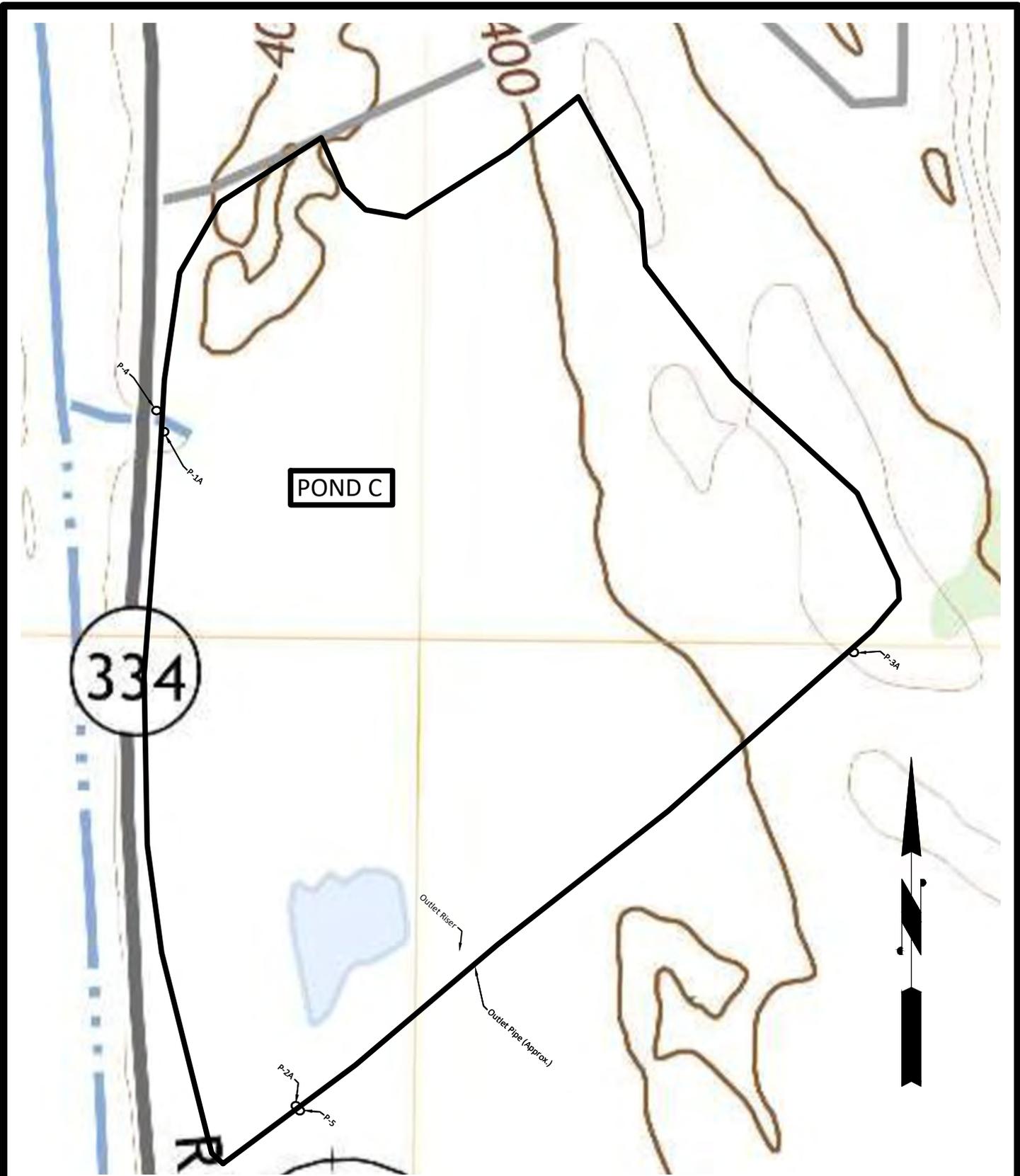
Job Number:	25-0007	Revisions:
Date:	01/30/2026	
Scale:	1" = 400'	
Drawn By:	D.T.H.	



Owensboro, KY
Phone: (270) 684-8450

2740 North Main St. • Madisonville, KY 42431
Phone: (270) 821-7732 • Fax: (270) 821-7789
www.associatedengineers.com

Lexington, KY
Phone: (859) 286-3000



Big Rivers Electric Corp.
Coleman Facility, Hawesville, Kentucky
Attachment B: Pond C Inspection Map - USGS TOPO OVERLAY

Job Number:	25-0007	Revisions:
Date:	01/30/2026	
Scale:	1" = 400'	
Drawn By:	D.T.H.	

Owensboro, KY
Phone: (270) 684-8450

2740 North Main St. • Madisonville, KY 42431
Phone: (270) 821-7732 • Fax: (270) 821-7789
www.associatedengineers.com

Lexington, KY
Phone: (859) 286-3000



Pond D Legacy CCR Impoundment

Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule Legacy CCR Impoundment Structural Integrity Criteria History of Construction

February 9, 2026

Prepared By:



Project ID: 25-0007

Big Rivers Electric Corporation
Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule
Legacy CCR Impoundment Structural Integrity Criteria
History of Construction

CCR Surface Impoundment Information

Name: Pond D Legacy CCR Impoundment
Operator: BREC Coleman Station
Address: 4982 River Road
Hawesville, Kentucky 42348

Qualified Professional Engineer

Name: David A. Lamb
Company: Associated Engineers, Inc.
Kentucky P.E. Number: 17822

Regulatory Applicability

As part of the 40 CFR § 257.73 Structural Integrity Criteria for Existing Legacy CCR Surface Impoundments requirements, an owner or operator of an existing CCR surface impoundment that either has a height of five feet or more and a storage volume of 20 acre-feet or more; or has a height of 20 feet or more must, no later than February 9, 2026, compile a history of construction, which shall contain, to the extent feasible, the information specified below:

1. The name and address of the person(s) owning or operating the CCR unit; the name associated with the CCR unit; and the identification number of the CCR unit if one has been assigned by the state.

Name of owner: Big Rivers Electric Corporation
Address of owner: 710 W 2nd Street
Owensboro, Kentucky 42301
Name of CCR unit: Coleman Station Pond D Legacy CCR
Impoundment
Identification number of CCR unit: Kentucky State Dam Inventory System ID No.
01255

An aerial photo of the CCR unit is provided as Attachment A.

2. The location of the CCR unit identified on the most recent U.S. Geological Survey (USGS) 7.5 minute or 15 minute topographic quadrangle map, or a topographic map of

equivalent scale if a USGS map is not available.

An excerpt from U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps showing the location of the CCR unit is provided as Attachment B.

3. A statement of the purpose for which the CCR unit is being used.

The Legacy CCR unit was used for the placement of coal combustion residual material; Primarily gypsum delivered to the pond by truck. No CCR was placed in the pond after the coal units were retired in May 2014.

4. The name and size in acres of the watershed within which the CCR unit is located.

The immediate watershed that drains to the CCR unit, and in which the CCR unit is located, is unnamed and 83.5 acres in size.

5. A description of the physical and engineering properties of the foundation and abutment materials on which the CCR unit is constructed.

The CCR unit is a combined incised/earthen embankment structure. Embankments form the perimeter of the structure. The lower portion of the structure is incised. The interior of the pond was used as a borrow area. Original ground inside the structure ranged in elevation from elevation 387 to elevation 402. Based on September 22, 2008, As-Build drawing the borrow excavation went as low as elevation 376. The Green River is located approximately 300 feet east of the structure. Due to surface relief, the toe area of the structure is subject to flooding. The area was made up of cultivated fields with a low ridge transecting the area from southwest to northeast, draining northeast to the Ohio River. Underlying preconstruction soils consisted of Quaternary Alluvium. This material is variable in composition, locally consisting of unconsolidated sand, gravel, silt, or clay. Bedrock underlying the site is part of the Pennsylvanian Caseyville and Tradewater formations. Bedrock lies a 115' to 165' below the surface.

6. A statement of the type, size, range, and physical and engineering properties of the materials used in constructing each zone or stage of the CCR unit; the method of site preparation and construction of each zone of the CCR unit; and the approximate dates of construction of each successive stage of construction of the CCR unit.

The Soil Survey of Daviess and Hancock Counties, Kentucky, published by the U.S. Department of Agriculture Soil Conservation Service, indicates the following soil units to be present at the surface over the site: Otwell silt loam (OtA), Wheling loam (WnB), Weinbach silt loam (9Wh), Newark silt loam (Ne), Elk silt loam (EkB), Jacob silty clay loam (Ja), and the Ginat silt loam (Gn).

Although several units are represented, they exhibit a similar range of properties with regard to texture and engineering. Most are silt loams or silty clay loams, with engineering classification being silt (ML), silty clay (CL-ML), or lean clay (CL). Shrink-swell potential is generally low. This was verified by the geotechnical data obtained to

gain approval from the Kentucky Natural Resources and Environmental Protection Cabinet. Permit No. 14678 was issued on January 25, 2005.

Work was initiated in 2006 and the As-Build drawing for the structure is dated September 22, 2008. Material was placed in controlled compacted lifts with density testing on successive lifts.

The dike is generally at elevation 415. The dike reaches a maximum height of 27 feet along the northwest corner. The east dike reaches a maximum height of approximately 25 feet on the north end and 17 feet at the south end. The south dike height trends from 16 feet at the east end to 21 feet at the west end. The west dike height ranges in height from 25 feet at the south end to 27 feet at the north end. The Associated Engineers, Inc. plans approved in the Dam Construction permit dated January 25, 2005 were reviewed. It should be noted that the approved plans allow for a dam crest elevation of 424. The construction was terminated at elevation 415. CCR primarily composed of dry Gypsum has been placed in the impoundment and a significant portion has been reclaimed for beneficial reuse. The main body of the pond does not impound water at this time. The stormwater portion of the structure on the north east corner is the only area that impounds water.

7. At a scale that details engineering structures and appurtenances relevant to the design, construction, operation, and maintenance of the CCR unit, detailed dimensional drawings of the CCR unit, including a plan view and cross sections of the length and width of the CCR unit, showing all zones, foundation improvements, drainage provisions, spillways, diversion ditches, outlets, instrument locations, and slope protection, in addition to the normal operating pool surface elevation and the maximum pool surface elevation following peak discharge from the inflow design flood, the expected maximum depth of CCR within the CCR surface impoundment, and any identifiable natural or manmade features that could adversely affect operation of the CCR unit due to malfunction or mis-operation.

Legacy CCR Surface Impoundment Pond D historical engineering drawings and notes that were reviewed for this report were provided by Big Rivers Electric Corporation and are maintained at the Big Rivers Electric Corporation corporate office in Owensboro, Kentucky.

Additional information determined during the 2026 Second Annual Legacy CCR Inspection follows:

Maximum Depth of impounded water in stormwater portion of the impoundment is approximately 9 feet. Due to beneficial reuse activities that have taken place CCR depths range from 3 feet to 33 feet. These approximate depths and respective elevations are based on the most recent (December 2026) flight derived topographic contours and bathymetric survey data.

Between 2020 and 2023 approximately 919,802 cubic yards of gypsum were removed from the impoundment for beneficial reuse purposes.

The approximate volume of impounded water in the storm water section of the pond is 29,095 cubic yards. This volume was calculated based on the maximum storage capacity, the current amount of water in the facility based on the most recent water elevation, and the best available as-built data for the structure. The structure has CCR capacity of approximately 1,599,800 cubic yards.

8. A description of the type, purpose, and location of existing instrumentation.

There is no instrumentation for this facility.

9. Area-capacity curves for the CCR unit.

No accurate historic area capacity curves were located for the CCR unit during the review of construction records. The following information was determined during the 2026 Second Annual Inspection:

Depth of impounded water in the storm water section of the pond is currently approximately 6 feet. The approximate volume of impounded water in the storm water section of the pond is 29,095 cubic yards. Maximum and minimum elevation of CCR is 414 feet and 379 feet, respectively, above mean sea level. These approximate depths and respective elevations are based on the most recent (December 2025) flight derived topographic contours.

The remaining storage capacity is approximately 1,599,800 cubic yards.

This volume was calculated based on the maximum allowable storage volume and the current volume of CCR stored in the facility based on the most recent survey.

10. A description of each spillway and diversion design features and capacities and calculations used in their determination.

The structure is an elevated dam and there are no diversion features. The following information was determined during the 2026 second Annual Inspection:

The CCR portion of impoundment discharge consists of a rip rap trapezoidal channel with a bottom width of 10 feet at elevation 410 feet with 3:1 side slopes to elevation 412. This discharges into the stormwater portion of the impoundment. The discharge from this portion of the impoundment is a valved 18" BCCMP at elevation 401 which enters the 5' diameter precast discharge riser with a 4'x4' inlet at elevation 409.1 feet. The discharge structure has a 36" RCP with Anti-seep collars that penetrates the embankment and discharges at elevation 390.

11. The construction specifications and provisions for surveillance, maintenance, and repair of the CCR unit.

The CCR unit has been in place for 18 years. There is no current construction thus no applicable construction specification. Per Final Rule CCR requirements, the CCR unit is inspected as follows:

Monthly Instrumentation Inspection

Monitoring of the embankment and discharge facilities of the CCR unit must be conducted by a qualified person no less than once per month.

Annual CCR Unit Inspection

The CCR unit inspection must be conducted annually throughout its operating life. These annual inspections are focused primarily on the structural stability of the CCR surface impoundment and must ensure that the operation and maintenance of the CCR surface impoundment is in accordance with recognized and generally accepted good engineering standards.

The CCR unit operator has general maintenance and repair procedures in place as they determine necessary.

12. Any record or knowledge of structural instability of the CCR unit.

There are no known occurrences of structural instability of the CCR unit.

Sources of Information

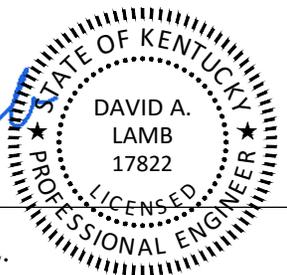
Geotechnical and other information provided by Associated Engineers, Inc.

Engineering drawings, notes and other information provided by Big Rivers Electric Corporation

United States Geological Survey U.S. Geological Survey (USGS) 7.5 minute Tell City topographic quadrangle maps

**Professional Engineer Certification [Per 40 CFR § 257.73]
Coleman Station Pond D Legacy CCR Impoundment History of Construction**

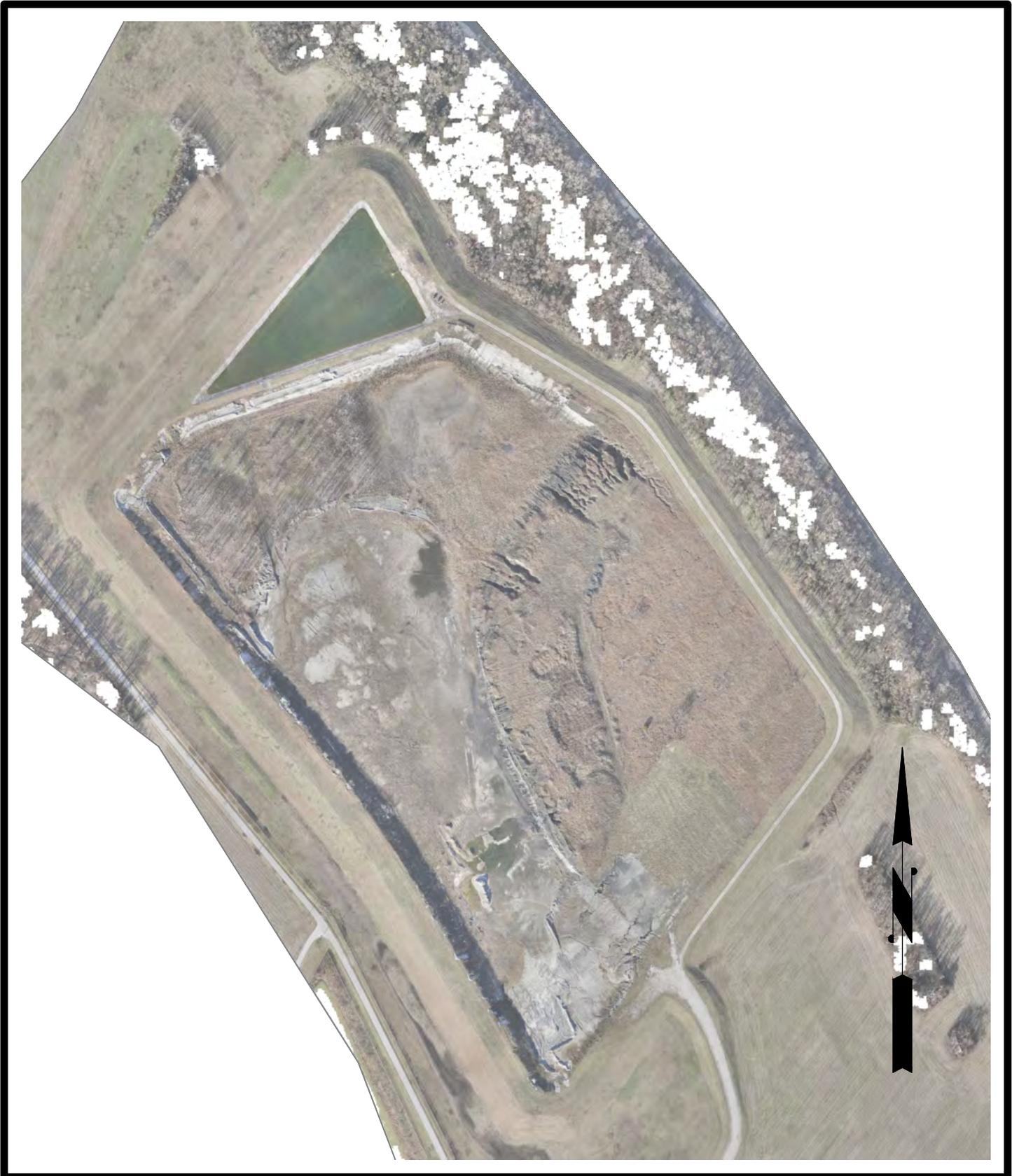
I hereby certify that myself or an agent under my review has prepared this History of Construction Report (Report), and being familiar with the provisions of the final rule to regulate the disposal of coal combustion residuals (CCR) as solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA), attest that this Report has been prepared in accordance with good engineering practices and meets the intent of 40 CFR Part 257.73. To the best of my knowledge and belief, the information contained in this Report is true, complete, and accurate.

David A. Lamb P.E.

State of Kentucky License No. 17822

Date: 2/9/2026_____



Big Rivers Electric Corp.

Coleman Facility, Hawesville, Kentucky
Attachment A: Pond D Inspection Map

Job Number:	25-0007	Revisions:
Date:	01/30/2026	
Scale:	1" = 400'	
Drawn By:	D.T.H.	



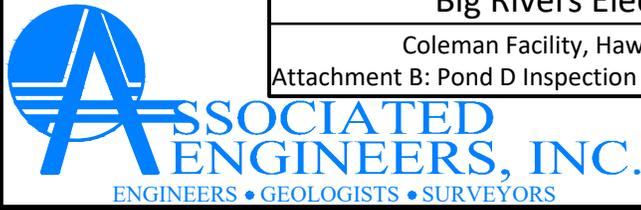
Owensboro, KY
Phone: (270) 684-8450

2740 North Main St. ■ Madisonville, KY 42431
Phone: (270) 821-7732 ■ Fax: (270) 821-7789
www.associatedengineers.com

Lexington, KY
Phone: (859) 286-3000



POND D



Big Rivers Electric Corp.
 Coleman Facility, Hawesville, Kentucky
 Attachment B: Pond D Inspection Map - USGS TOPO OVERLAY

Job Number:	25-0007
Date:	01/30/2026
Scale:	1" = 400'
Drawn By:	D.T.H.

Revisions:	
------------	--

Owensboro, KY Phone: (270) 684-8450 | 2740 North Main St. • Madisonville, KY 42431 Phone: (270) 821-7732 • Fax: (270) 821-7789 www.associatedengineers.com | Lexington, KY Phone: (859) 286-3000