GEI Consultants

Consulting
Engineers and
Scientists

CCR Landfill and Leachate Collection

2024 Annual Inspection Report

Rockport Plant, Rockport, Indiana

Submitted to:
American Electric Power Service Corporation
1 Riverside Plaza
Columbus, OH 43215

Submitted by:
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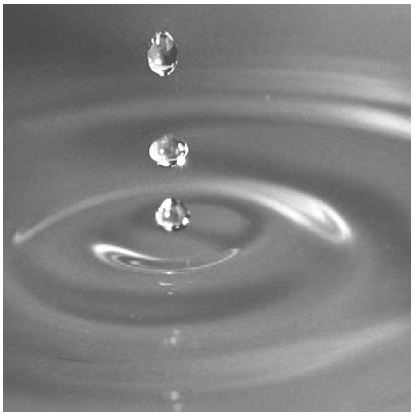
September 3, 2024
Project 2305686
AEP Document ID: GEVR-24-013



Pedro Amaya, PE
Senior Consultant

Jeff Piaskowski, PE
Senior Engineer

2024 Annual Inspection Report

CCR Landfill
Rockport Power Plant
AEP Document ID: GEVR-24-013

Signature

Pedro Amaya, PE
Senior Consultant
GEI Consultants, Inc.

September 3, 2024
Date

I certify, to the best of my knowledge, that the information provided in this report satisfies the requirements of 40 CFR 257.84(b).

Table of Contents

JRP
B:\Working\AEP\2305686 2024 Dam & Landfill Field Insps\08_FINAL INSPECTION REPORTS\02Rockport\Final\Rockport Landfill\Final Draft_2024 Rockport CCR Landfill.docx

1. Introduction

GEI Consultants, Inc. was retained by AEP to implement the 2024 Inspection and Maintenance Program at AEP facilities. As part of the program, GEI's Pedro Amaya, P.E. performed the 2024 inspection of the CCR Landfill at the Rockport Plant in part, to fulfill requirements of 40 CFR 257.84 and to provide an evaluation of the CCR Unit. Mr. Larry Hofius, is the landfill supervisor and facility contact. This report was prepared by Pedro Amaya and Jeff Piaskowski of GEI and serves as a summary of the inspection and an assessment of the general conditions of the landfill.

The inspection was performed on June 5, 2024, Weather conditions were cloudy with mild temperatures (74^{o}F - 78^{o}F), a few showers were present during the inspection. Approximately 3-inches of precipitation was recorded at the plant in the 7 days prior to the inspection.

The Rockport Plant is located near Rockport, Indiana as shown on Figure 1 – Site Location Map. The facility arrangement is provided on Figure 2 – Facility Plan. The CCR Landfill and its appurtenances are shown on Figure 3 – Site Plan.

2. Description of Landfill

The overall features of the landfill were categorized into the following components as a means of organizing the inspection and reporting:

- Closed Landfill Area
- 2015 Landfill Construction Area (Cells 1A, 1B, 2, and 3)
- 2016 Landfill Construction Area (Cell 5 and 4A)
- Inactive Landfill Areas (Cells 4B, 6, and 7)
- Leachate Ponds
- Storm Water Drainage Ditches

These features, including the approximate limits of each area, are shown on the Figure 3 – Site Plan.

The closed area is located on the north and east sides of the CCR Landfill. This area was constructed between 1985 and 1987 and was used for disposal of Type II ash. The area was closed with a final cover between 2000 and 2007. The final cover consists of 24-inches of compacted clay, 6-inches topsoil, and vegetation.

The 2015 Landfill Construction Area includes Cells 1A, 1B, 2 and 3 which were lined in 2015 to dispose of the Type I Dry Sorbent Injection Ash. Waste placement in Cells 1B, 2, and 3 is operationally complete and temporary cover has been installed over the area. Active waste placement is currently in Cell 1A and moving north.

The 2016 Landfill Construction Area includes Cell 5 and 4A which were completed in 2016. It should be noted that a portion of this cell was built over the slope of the previously filled Type II landfill area. A perimeter berm was also constructed along the eastern edge of Cell 5 with a tie-in to the existing landfill cap. A soil and vegetative cover were placed over the area in 2017. The Southern portion of Cell 5 (referenced as Cell 5S) has had the soil and vegetative cover removed and a separator berm was constructed to make the area ready for active waste placement.

Cell 4B, Cell 6, and Cell 7 are Inactive Landfill Areas. They consist of a perimeter berm with Type II soil liner and were constructed between 2012 to 2014. These areas are reserved for future composite liner construction. A layer of intermediate cover soils with vegetation exists over part of the Type II soil liner.

3. Review of Available Information (257.84(b)(1)(i))

A review of available information regarding the status and condition of the CCR Landfill which include files available in the operating record, such as design and construction information, previous 7-day inspection reports, and previous annual inspections has been conducted.

4. Inspection (257.84(b)(1)(ii))

4.1 Changes in Geometry Since Last Inspection (257.84(b)(2)(i))

No modifications have been made to the geometry of the Landfill since the 2023 annual inspection. The geometry of the landfill has remained essential unchanged, except for the changes in topography of the active landfill area due to placement of ash.

4.2 Volume (257.84(b)(2)(ii))

The total volume of ash disposed at the landfill up to the 2024 inspection date of June 5, 2024 was estimated to be 3,000,181 tons of Type I (fly ash) and 5,660,668 tons of Type II (bottom ash). These tonnages convert to 2,500,150 cubic yards of Type I and 4,717,223 cubic yards of Type II when using a 1.2 tons per cubic yard airspace utilization factor.

4.3 Definitions of Visual Observations and Deficiencies

This summary of the visual observations uses terms to describe the general appearance or condition of an observed item, activity, or structure. The meaning of these terms is as follows:

Good: A condition or activity that is generally better or slightly better than what is minimally expected or anticipated from a design or maintenance point of view.

Fair/Satisfactory: A condition or activity that generally meets what is minimally expected or anticipated from a design or maintenance point of view.

Poor: A condition or activity that is generally below what is minimally expected or anticipated from a design or maintenance point of view.

Minor: A reference to an observed item (e.g. erosion, seepage, vegetation, cracks, concrete surface etc.) where the current maintenance condition is below what is normal or desired, but which is not currently causing concern from a structure safety or stability point of view.

Significant: A reference to an observed item (e.g. erosion, seepage, vegetation, cracks, concrete surface etc.) where the current maintenance program has neglected to improve the condition. Usually, conditions that have been identified in previous inspections, but have not been corrected.

Excessive: A reference to an observed item (e.g. erosion, seepage, vegetation, cracks, concrete surface etc.) where the current maintenance

condition is below or worse than what is normal or desired, and which may have affected the ability of the observer to properly evaluate the structure or area being observed or which may be a concern from a structure safety or stability point of view.

This document also uses the definition of a "deficiency" as referenced in the CCR rule section §257.84(b)(5) Inspection Requirements for CCR Landfills. This definition has been assembled using the CCR rule preamble as well as guidance from MSHA, "Qualifications for Impoundment Inspection" CI-31, 2004. These guidance documents further elaborate on the definition of deficiency. Items not defined by deficiency are considered maintenance or items to be monitored.

A "deficiency" is some evidence that a landfill has developed a problem that could impact the structural integrity of the landfill. There are four general categories of deficiencies. These four categories are described below:

1. Uncontrolled Seepage (Leachate Outbreak)

   Leachate outbreak is the uncontrolled release of leachate from the Landfill.

2. Displacement of the Embankment

   Displacement of the embankment is large scale movement of part of the landfill. Common signs of displacement are cracks, scarps, bulges, depressions, sinkholes, and slides.

3. Blockage of Control Features

   Blockage of Control Features is the restriction of flow at spillways, decant or pipe spillways, or drains.

4. Erosion

   Erosion is the gradual movement of surface material by water, wind, or ice. Erosion is considered a deficiency when it is more than a minor routine maintenance item.

4.4 Visual Inspection (257.84(b)(1)(ii))

A visual inspection of the Landfill was conducted to identify any signs of distress or malfunction of the landfill and appurtenant structures. Specific items inspected included all structural elements of the landfill perimeter berms, temporary and final covers, drainage features, leachate ponds, open cells, and appurtenances such as chimney drains etc.

Based on our visual inspection, the CCR Landfill is in good condition and is functioning as its design intended with no signs of potential structural weakness or conditions which are disruptive to its safe operation. Details of the visual inspection are presented below. Photographs taken during the inspection are included in Appendix A - Photolog. Each photograph that was captured during the inspection was tagged as either a general site observation, as an item to be

monitored, or as an item to be addressed. The site observations are presented on Figure 3 – Site Plan, Figure 4 – Items to be Monitored, and Figure 5 – Items to be Addressed.

4.4.1 Closed Landfill Area

1. The Closed Landfill (Type II Liner) was in good condition. The vegetative cover was well established, controlled with mowing, and in good condition with no apparent signs of erosion or seepage (Photo No. 15 and No. 20).

4.4.2 2015 Landfill Construction Area (Cell 1A, 1B, 2, and 3)

1. Cells 1A, 1B, 2 and 3 were generally in good condition. The vegetative cover was well established and controlled with mowing (Photo No. 1, No. 6., No. 24 and No. 25). Stormwater features (riprap down-chutes and culverts) were unobstructed (Photos No. 4, No. 5, No. 10, No. 11, and No. 12). Isolated wet areas with minor rutting (Photo No. 3 and No. 5), an isolated area of significant erosion (Photo No. 9), and an isolated area of stressed vegetation were identified as items to be monitored or addressed.

2. The chimney drains appear to be functioning as designed.

4.4.3 2016 Landfill Construction Area (Cell 5 and 4A)

1. Cells 4A and 5 were generally in good condition. The vegetative cover was well established and controlled with mowing (Photo No. 16 and No. 22). Site was appropriately drained (CCR contact stormwater was separated from non-CCR contact stormwater). The chimney drains were functioning to convey CCR contact stormwater to leachate collection system.

4.4.4 Inactive Landfill Areas (Cell 4B, 6, and 7)

1. The inactive landfill cells 4B, 6, and 7 were in good condition. The vegetative cover was well established and in good condition with no apparent signs of erosion or seepage (Photo No. 22 and No. 26).

4.4.5 Leachate Ponds

1. The small crack in the concrete liner of the West Pond previously reported was located just above the leachate outlet pipes entering the pond from the south. Photo No. 29 – Please monitor and consider routing the existing concrete crack to a width of ¼ - ½ of an inch and caulking it with MasterSeal NP1 to reduce concrete weathering.

2. The West Pond is generally in good condition with no signs of damage (except for small crack noted above).

3. The LLDPE lined portion of the West Pond appeared to be in good condition.

4. At the time of the inspection the water levels in the west pond were as follows:

    a. West leachate pond (concrete bay) – 393.13
    b. West leachate pond (middle bay) – 392.99
    c. West leachate pond (west bay) – 392.80

5. The LLDPE liner in Leachate Pond 002 appeared to be in good condition. Water elevation reported at 27-inches below the deck of the walkway (Photo No. 32).

6. The downstream slopes of Leachate Pond 002 appeared in good condition. The downstream slopes seem to be stable and the riprap revetment has prevented erosion and woody vegetation establishment (Photos No. 31, No. 33 and No. 34).

7. The North Pond was generally in good condition (Photo No. 35)

8. At the time of the inspection the water levels in the north pond were as follows:

    - North pond (concrete bay) – 391.00
    - North pond (middle bay) – 390.93
    - North pond (west bay) – 390.77

9. The concrete lined cell of the North Pond did not appear to have any signs of damage, cracks or spalling. There were no signs of blockage of the inlet and outlet piping. The fence surrounding the leachate pond was in good condition.

4.4.6 Stormwater Drainage Ditches

1. The perimeter ditches to the West and South were in good condition with no signs of erosion or blockage. Some isolated areas with ponding water and rutting were identified as items to be monitored or addressed (Photo No. 3, No. 5, and No. 6).

4.5 Change that Effect Stability or Operation (257.84(b)(2)(iv))

Based on interviews with plant personnel and field observations there were no significant changes to the landfill since the last annual inspection that would affect the stability of the landfill.

5. Summary Findings

5.1 General Observations

The following general observations were identified during the visual inspection:

In general, the CCR Landfill is in good condition and functioning as the design intended. The following improvements to the CCR Landfill and Leachate Collection System were completed over the past several years:

- Improvement to the unit's vegetation coverage
- Installation of a new pond liner in Leachate Pond 002
- Repairs to the leachate seepage identified previously as a deficiency

5.2 Maintenance Considerations

The following are maintenance considerations that were identified during the visual inspection:

1. Continue to perform routine inspections of the CCR Landfill and Leachate Collection System for areas of stressed vegetation, significant erosion, ponding water, obstructed stormwater features, obstructed leachate collection features, and cracks in the leachate collection pond.
2. Continue to maintain the CCR Landfill and Leachate Collection System based on observations identified in the weekly inspections, including regularly applying fresh elastomeric polyurethane sealant (MasterSeal NP1 or equivalent) to observed concrete cracks in the leachate system.
3. Consider routing the existing concrete crack on the West Pond to a width of ¼ - ½ of an inch, and caulking it with an elastomeric material that can allow some relative movement across the crack.

5.3 Items to be Monitored

The following items were identified as items to be monitored:

Item 2 – Monitor the isolated areas of stressed vegetation around the landfill slope riser. Address if significant erosion is observed.

Item 3 – Monitor the soft spots and rutting along the toe of slope on the western edge of Cell 3. If ponding water and rutting continues to be observed, consider regrading the area to improve/maintain positive drainage.

Item 29 – Monitor Leachate Ponds for concrete cracks and address as needed with elastomeric caulking materials such as MasterSeal NP1 or equivalent.

5.4 Items to be Addressed

The following item was identified as an item to be addressed:

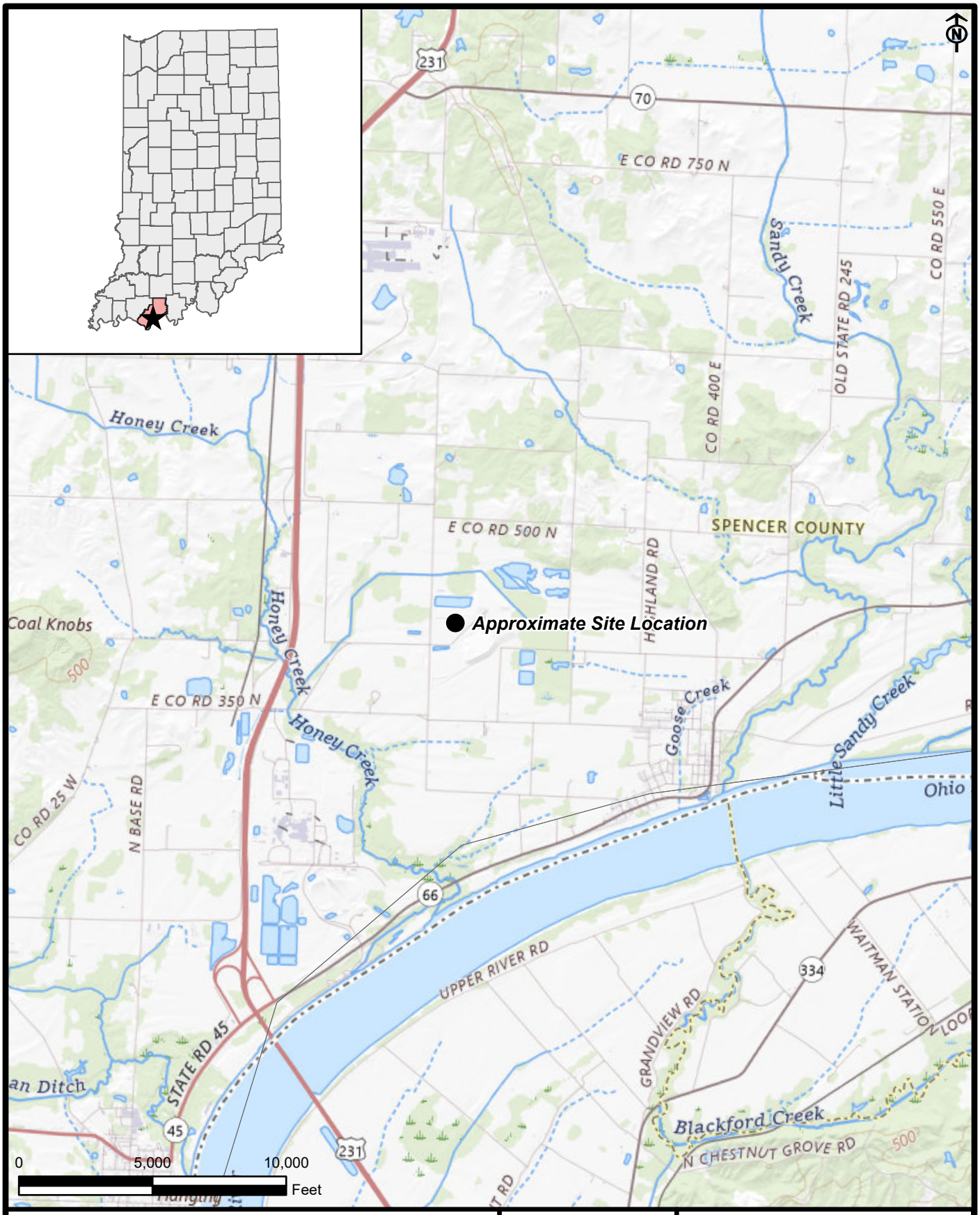
Item 9 – Address the significant erosion on the southern side slope of Cell 2-3.

5.5 Deficiencies (257.84(b)(2)(iii))

There were no signs of structural weakness or disruptive conditions that were observed at the time of the inspection that would require additional investigation or remedial action. There were no deficiencies noted during this inspection or during any of the periodic 7-day inspection. If any deficiency occurs until the next inspection contact AEP Geotechnical Engineering immediately.

If you have any questions with regard to this report, please contact AEP-Geotechnical Engineering Brian Palmer (Phone: 614-716-3382, email: bgpalmer@aep.com) or Bryan Brunton (Phone: 614-477-2659, email: bwbrunton@aep.com)

Figure 1 – Site Location Map



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Project 2305686

SITE LOCATION DIAGRAM

August 2024

Fig. 1

Path: B:\Working\AEP\2305686 2024 Dam & Landfill Field Insps\05_GIS\ArcGIS_Pro\2305686 2024 Dam & Landfill Field Insps.aprx

Figure 2 – Facility Plan

NOTES:

1. Aerial image obtained from USDA NAIP. Image captured spring of 2021.
2. Site conditions may change over time, accuracy is not guaranteed.

0 800 1,600 Feet

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FACILITY PLAN

Project 2305686 | June 2024 | Fig. 2

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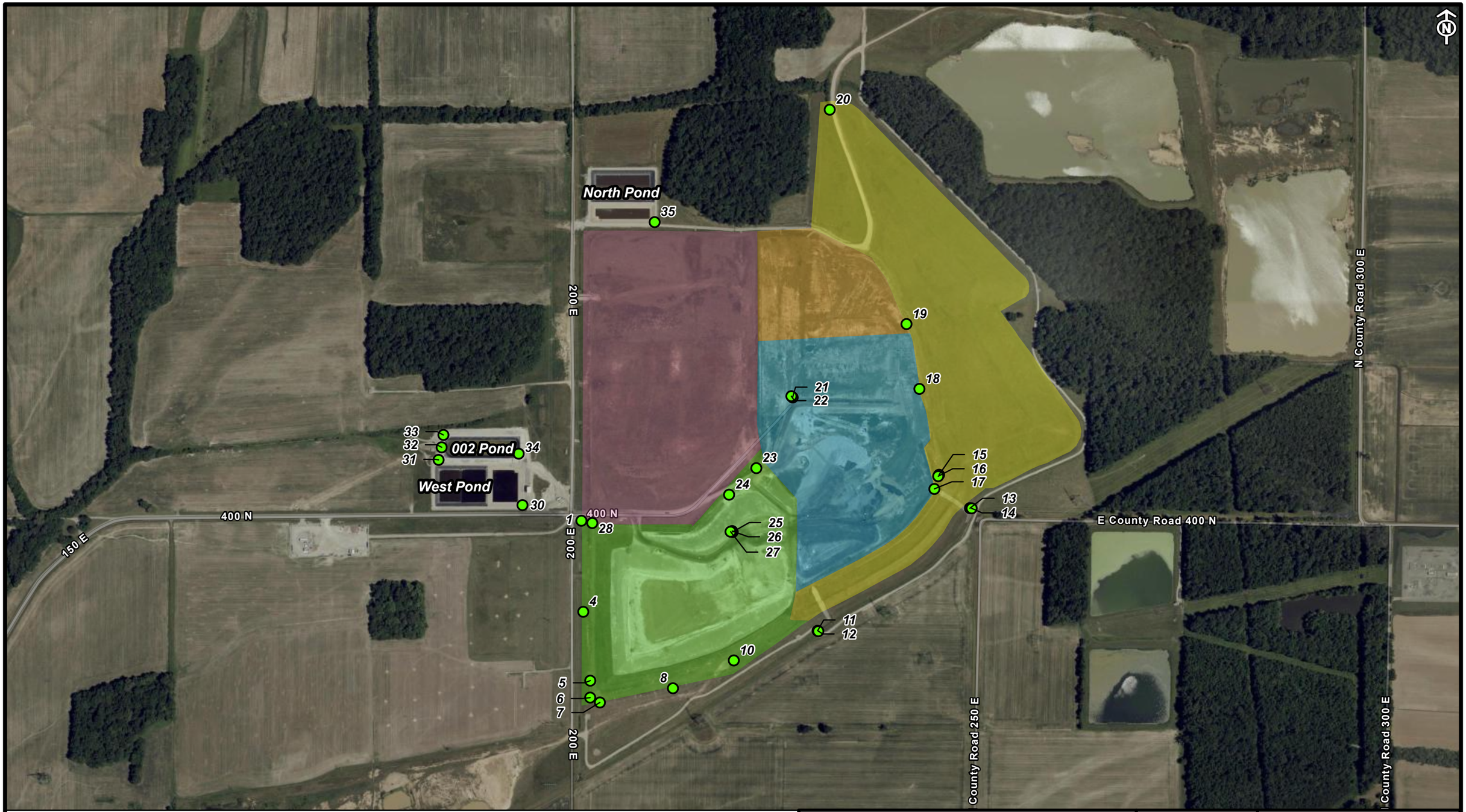
Figure 3 – Site Plan



LEGEND:

- General Observation
- Closed Landfill Area
- Inactive Disposal Area (Type 2 Liner)
- Active Disposal Area (Type 1 Liner)
- Area of Temporary Cover
- Approximate Limits of 2016 Type 1 Liner Construction not in use

NOTES:

1. Aerial image obtained from USDA NAIP. Image captured spring of 2021.
2. Points shown represent site conditions during time of inspection. Conditions may change overtime, accuracy is not guaranteed. Map should not be used for measurement.
3. Landfill phases have been georeferenced and digitized according to 2023 Annual Inspection Landfill Figure 1 - AEP. Accuracy is not guaranteed.

0 600 1,200 Feet

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GEI Consultants

Project 2305686

SITE PLAN

June 2024 Fig. 3

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Figure 4 – Items to be Monitored

LEGEND:

- Monitor
- Closed Landfill Area
- Inactive Disposal Area (Type 2 Liner)
- Active Disposal Area (Type 1 Liner)
- Area of Temporary Cover
- Approximate Limits of 2016 Type 1 Liner Construction

NOTES:

1. Aerial image obtained from USDA NAIP. Image captured spring of 2021.
2. Points shown represent site conditions during time of inspection. Conditions may change overtime, accuracy is not guaranteed. Map should not be used for measurement.
3. Landfill phases have been georeferenced and digitized according to 2023 Annual Inspection Landfill Figure 1 - AEP. Accuracy is not guaranteed.

0 600 1,200 Feet

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GEI Consultants

Project 2305686

ITEMS TO BE MONITORED

June 2024 Fig. 4

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Figure 5 – Items to be Addressed

LEGEND:

- Repair
- Closed Landfill Area
- Inactive Disposal Area (Type 2 Liner)
- Active Disposal Area (Type 1 Liner)
- Area of Temporary Cover
- Approximate Limits of 2016 Type 1 Liner Construction

NOTES:

1. Aerial image obtained from USDA NAIP. Image captured spring of 2021.
2. Points shown represent site conditions during time of inspection. Conditions may change overtime, accuracy is not guaranteed. Map should not be used for measurement.
3. Landfill phases have been georeferenced and digitized according to 2023 Annual Inspection Landfill Figure 1 - AEP. Accuracy is not guaranteed.

0 600 1,200 Feet

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Project 2305686

ITEMS TO BE ADDRESSED

June 2024 Fig. 5

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Appendix A - Photolog

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 1	DATE: June 5, 2024 8:35 AM	LATITUDE: 37.92744906	LONGITUDE: -87.03831022
DIRECTION: South	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Downstream Slope of Interim Cover. Looking South. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 2	DATE: June 5, 2024 9:43 AM	LATITUDE: 37.94474246	LONGITUDE: -87.01780527
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Side slope and side slope riser. Looking East. Manhole #1, Monitor stressed vegetation address if significant erosion is observed.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 3	DATE: June 5, 2024 9:48 AM	LATITUDE: 37.94390696	LONGITUDE: -87.01760605
DIRECTION: Southeast	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, side slope and toe of slope. Looking Southeast. Ponding water, soft area, ruts. Monitor area and if water continues to pond, consider regrading the area to maintain positive drainage.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 4	DATE: June 5, 2024 9:52 AM	LATITUDE: 37.94347597	LONGITUDE: -87.01781265
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Riprap down-chute stormwater feature Looking East. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 5	DATE: June 5, 2024 9:58 AM	LATITUDE: 37.94223329	LONGITUDE: -87.01765469
DIRECTION: Northwest	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Toe of slope, perimeter ditch. Looking northwest. Note ponding water in ditch.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 6	DATE: June 5, 2024 10:02 AM	LATITUDE: 37.94192859	LONGITUDE: -87.01765655
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, toe of slope and side slope riser. General photo with perennial grass.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 7	DATE: June 5, 2024 10:04 AM	LATITUDE: 37.94183979	LONGITUDE: -87.01743509
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Toe of slope - interim cover. Looking East. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 8	DATE: June 5, 2024 10:09 AM	LATITUDE: 37.94209533	LONGITUDE: -87.01577129
DIRECTION:	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Sideslope Chimney Drain. Looking North. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 9	DATE: June 5, 2024 10:13 AM	LATITUDE: 37.94211513	LONGITUDE: -87.01561064
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Sideslope. Looking North. Significant Erosion, Please address.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 10	DATE: June 5, 2024 10:21 AM	LATITUDE: 37.94259693	LONGITUDE: -87.01438508
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Sideslope of Interim Cover. Looking North. Note Stormwater Runoff Drainage Channel and Chimney Drain.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 11	DATE: June 5, 2024 10:29 AM	LATITUDE: 37.9431306	LONGITUDE: -87.01247514
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Sideslope of Interim Cover. Looking North. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 12	DATE: June 5, 2024 10:30 AM	LATITUDE: 37.94312281	LONGITUDE: -87.01245894
DIRECTION: West	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Perimeter Ditch. Looking West. Note unobstructed culverts. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
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PHOTOGRAPH NO: 13	DATE: June 5, 2024 10:40 AM	LATITUDE: 37.94534008	LONGITUDE: -87.00900206
DIRECTION: Southwest	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Downstream Slope of Interim Cover, Perimeter Ditch. Looking Southwest. Note Riprap Splash Basin from Downstream Slope Channel.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 14	DATE: June 5, 2024 10:44 AM	LATITUDE: 37.94533631	LONGITUDE: -87.00896346
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Downstream Slope of Final Cover of Closed Landfill. Looking North. Thick Vegetation Ground Cover, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
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PHOTOGRAPH NO: 15	DATE: June 5, 2024 10:50 AM	LATITUDE: 37.94594271	LONGITUDE: -87.00970562
DIRECTION: Northeast	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Final Vegetation Cover of Closed Landfill. Looking Northeast. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 16	DATE: June 5, 2024 10:52 AM	LATITUDE: 37.94591644	LONGITUDE: -87.00972548
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill Active Area Type I. Looking North. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 17	DATE: June 5, 2024 10:55 AM	LATITUDE: 37.94568679	LONGITUDE: -87.00981293
DIRECTION: Northwest	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Active Area, Looking Northwest. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 18	DATE: June 5, 2024 11:01 AM	LATITUDE: 37.9474915	LONGITUDE: -87.01015192
DIRECTION: West	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Active Area, Looking West. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 19	DATE: June 5, 2024 11:06 AM	LATITUDE: 37.94866145	LONGITUDE: -87.01044452
DIRECTION: Southeast	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill Crest - Looking Southeast. Note transition between active and inactive area. Typical Condition of Interim Cover.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 20	DATE: June 5, 2024 11:21 AM	LATITUDE: 37.95252886	LONGITUDE: -87.01219039
DIRECTION: South	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. North end of closed area. Looking South. Note Access Road and Vegetated Final Cover.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 21	DATE: June 5, 2024 11:38 AM	LATITUDE: 37.94733919	LONGITUDE: -87.01303954
DIRECTION: Southeast	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Active area Looking Southeast. General Photo, Typical Conditions. Note CCR Contact Stormwater and Chimney Drains.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 22	DATE: June 5, 2024 11:41 AM	LATITUDE: 37.94736206	LONGITUDE: -87.01306904
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Inactive area interim cover. Looking North. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 23	DATE: June 5, 2024 11:46 AM	LATITUDE: 37.94606461	LONGITUDE: -87.0138681
DIRECTION: South	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill. Downstream Slope of Interim Cover. Looking South. General Photo, Typical Conditions. Note Stormwater Riprap Channel.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 24	DATE: June 5, 2024 11:50 AM	LATITUDE: 37.94558571	LONGITUDE: -87.01448928
DIRECTION: Southwest	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Downstream Slope. Looking Southwest. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 25	DATE: June 5, 2024 11:53 AM	LATITUDE: 37.9449139	LONGITUDE: -87.01440767
DIRECTION: South	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Crest. Note Interim Vegetation Cover. Looking South. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 26	DATE: June 5, 2024 11:55 AM	LATITUDE: 37.94493011	LONGITUDE: -87.01441943
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill, Inactive Cells 4A, 6, and 7. Looking North. General Photo, Typical Conditions. Note North Leachate Collection Pond in background.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 27	DATE: June 5, 2024 11:57 AM	LATITUDE: 37.94491849	LONGITUDE: -87.01445681
DIRECTION: West	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: West Leachate Collection Pond and Leachate 002 Pond. Looking West. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 28	DATE: June 5, 2024 12:05 PM	LATITUDE: 37.94507664	LONGITUDE: -87.01760554
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: CCR Landfill Perimeter Ditch. Note Rirap Channel. Looking East. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 29	DATE: June 5, 2024 12:11 PM	LATITUDE: 37.94542309	LONGITUDE: -87.01922367
DIRECTION: NA	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: West Pond, Upstream Slope. Monitor area and apply MasterSeal NP1 or equivalent caulk reduce weathering. 1/2" of vertical differential,1/8" width.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 30	DATE: June 5, 2024 12:19 PM	LATITUDE: 37.9454007	LONGITUDE: -87.01919551
DIRECTION: West	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: West Pond. Looking West. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 31	DATE: June 5, 2024 12:25 PM	LATITUDE: 37.94621767	LONGITUDE: -87.0211064
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: West Pond/ 002 Leachate Pond. Downstream Slope of 002 Pond. Looking East. Ground Cover Riprap, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 32	DATE: June 5, 2024 12:27 PM	LATITUDE: 37.94644407	LONGITUDE: -87.02103577
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: 002 Leachate Pond, Looking East. Note LLDPE Liner. Typical Conditions. Water level 27-inches.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 33	DATE: June 5, 2024 12:32 PM	LATITUDE: 37.94666752	LONGITUDE: -87.02099548
DIRECTION: East	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: 002 Leachate Pond. Downstream Slope Northern Dike. Looking East. Riprap Cover, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 34	DATE: June 5, 2024 12:37 PM	LATITUDE: 37.94632874	LONGITUDE: -87.01928192
DIRECTION: North	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: 002 Leachate Pond, Downstream Slope Eastern Dike. Looking North. Riprap Cover. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Rockport Power Plant, CCR Landfill Inspection
Client: American Electric Power **GEI Project:** 2305686

PHOTOGRAPH NO: 35	DATE: June 5, 2024 12:49 PM	LATITUDE: 37.95050284	LONGITUDE: -87.01618019
DIRECTION: Northwest	SITE LOCATION: ROCKPORT, INDIANA		
DESCRIPTION: North Pond, Looking Northwest. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			