Consulting
Engineers and
Scientists

CCR Landfill

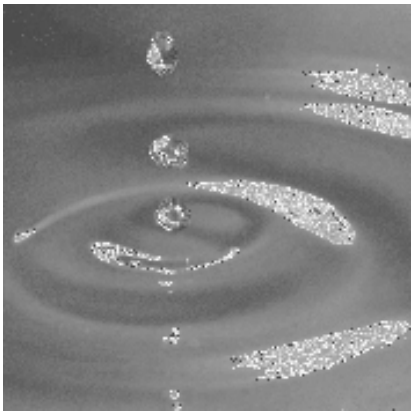
2025 Annual Landfill Inspection Report

Turk Power Plant, Fulton, Arkansas

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

Submitted by:
GEI Consultants, Inc.
5646 Milton Street, Ste 500
Dallas, Texas 75206
469.868.7639

May 1, 2025
Project 2501323
AEP Document ID: GEVR-25-009



Pedro Amaya, PE
Senior Consultant

Megan Jehring, PE
Senior Engineer

2025 Annual Inspection Report

CCR Landfill
Turk Power Plant
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Signature

Pedro Amaya, PE
Senior Consultant
GEI Consultants, Inc.

May 1, 2025
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).

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MMJ
B:\Working\AEP\2501323 AEP 2025 Dam & Landfill Inspections\07_FINAL INSPECTION REPORTS\07Turk\02 Turk Landfill\2025 Turk CCR Landfill.docx

1. Introduction

GEI Consultants, Inc. was retained by AEP to implement the 2025 Inspection and Maintenance Program at AEP facilities and to provide the Turk Plant with an evaluation of the CCR Landfill to fulfill requirements of 40 CFR 257.84. As part of the evaluation, GEI's Pedro Amaya, P.E. and Megan Jehring, P.E. performed the 2025 annual inspection of the CCR unit. Mr. W. Greg Carter of AEP's Regional Engineering participated in the inspection and provided contextual background. This report was prepared by Pedro Amaya and Megan Jehring of GEI and serves as a summary of the inspection and an assessment of the general conditions of the facility.

The inspection was performed on March 25, 2025. Weather conditions were sunny with warm temperatures. According to a local rain gauge, the area received approximately 0-inches of rain in the 7 days prior to the inspection. Partial mowing was performed prior to the inspection.

The Turk Power Plant is located near Fulton, Arkansas as shown on Figure 1 – Site Location Map. The facility arrangement is provided on Figure 2 – Facility Plan. The CCR Landfill and its associated ponds are shown on Figure 3 – Site Plan.

2. Description of Landfill

AEP-SWEPCO owns and operates the Turk Power Plant and the site's CCR Landfill. The Power Plant has a 600 MW unit utilizing western sub-bituminous coal as a fuel for generating electricity. The CCR Landfill is located to the south of the main plant and is designed, approved, and used for disposal of fly ash, bottom ash, scrubber waste, and other byproducts generated from the coal-fired power plant. The overall features of the CCR Landfill consist of the following main components: inactive and active landfill disposal areas (Inactive-Cell 1 and Active-Cell 2), Perimeter Berms and Haul Road, Leachate Collection Pond, Storm Water Pond, and Drainage Appurtenances.

The inactive landfill disposal area (Cell 1) had reached its maximum waste fill capacity and currently consists of temporary soil cover on the side slopes. The south slope of Cell 1 has a 2-acre test pad of Closureturf®. There are five cells for a total of 73 acres of disposal area, which combined create the landfill solid waste footprint. The Leachate Collection Pond is located to the north of Cell 1 and 2 and collects leachate generated from the CCR Landfill leachate collection system. The Stormwater Pond is located to the east of Cell 1 and collects stormwater from the perimeter storm water channel that exists around the landfill. The outer perimeter of the landfill consists of the perimeter berm and haul road.

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 includes files available in the operating record such as design and construction information, previous 7-day inspection reports, and previous annual inspection reports that have been conducted. Based on the review of the data, there were no signs of actual or potential structural weakness or adverse conditions of the CCR Landfill.

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 last annual inspection. Overall, the geometry of the landfill has remained unchanged, except the changes in topography of the active disposal area as a result of the placement of CCR materials.

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

The total estimated disposal capacity of the landfill (Cells 1-5) is 6,884,235 cubic yards. The total volume of CCR disposed in the landfill from the period November 2012 through February 2025 is estimated to be 1,640,938 tons. This is approximately 1,197,765 cubic yards when using a unit conversation of 1.37 tons per cubic yard.

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, 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, etc.) where the current maintenance program has neglected to improve the condition. Usually, conditions that have been identified in the previous inspections, but have not been corrected.

Excessive: A reference to an observed item (e.g. erosion, seepage, vegetation, etc.) where the current maintenance condition is above or worse than what is normal or desired, and which may have affected the ability of the observer to properly evaluate the structure or particular 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 guidelines 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 CCR Landfill was conducted to identify signs of distress or malfunction of the landfill and appurtenant structures. Specific items inspected included structural elements of the landfill perimeter berms, temporary and final covers, drainage features, stormwater and leachate ponds, completed and open cells of the CCR Landfill, and its appurtenances.

Based on GEI's visual inspection, **the CCR Landfill is in good condition**. The landfill is functioning as intended with no signs of potential structural integrity issues or conditions, which may be disrupting to the safe operation of the landfill. 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, recommended for monitoring, or recommended 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.

1. The overall condition of the CCR Landfill Cell 1 and Cell 2 was good. Photographs No. 1 and No. 2 were taken along the perimeter berm on the western side of the current landfill development. It also serves as the perimeter road in this section of the landfill. Cell 1 (Inactive) can be seen in the background of Photograph No. 29, while Cell 2 (Active) is depicted in the foreground. Cell 2 CCR fill has been raised to approximately 10 feet above the elevation of the perimeter road, shown in Photographs No. 4 and No. 7. Active Cell 2 fill area appeared in good condition. No significant erosion or ponded water was observed on the current CCR surface.

2. Cell 1 was in good and stable condition with no sign of instability, ponding water or significant erosion. The temporary access road to the west and landfill perimeter road to the south appeared in good condition. Photograph No. 8 provides general conditions observed during the inspection.

3. The south slope of the berm consists of Versacap (artificial turf alternate to the natural grass cover) and appeared in good and stable condition. Few isolated spots indicated weeds protruding through the artificial turf. Overall, the Closureturf® cover and perimeter toe channel are functioning as designed. An area at the southeast corner appears to have some ponding water as a result of overgrown vegetation in the bottom of the channel. Minor overgrown vegetation was observed along the toe into the channel to the stormwater pond (Photograph No. 12) that should be monitored and addressed as needed. Overall, the toe ditch and the berm are functioning as designed. Photographs No. 3, No. 5, No. 12, and No. 13 provide general conditions of these areas observed during the inspection.

4. A Closureturf® test pad area for the permanent cover system installation was completed in October 2019 at the southeast slope of the landfill (Photographs No. 9 and No. 11). The test pad area report is currently under review by the Arkansas Department of Environmental Quality (ADEQ). The Closureturf® cover system is designed to be in compliance with the CCR rule. Photograph No. 6 illustrates an intermediate slope bench and ditch for runoff control. Minor erosion was observed in the pea gravel cover that should be monitored and addressed if it becomes significant. The test pad, bench, and drainage ditch associated with the Closureturf® test pad appeared in good condition and were functioning as intended.

5. Typical conditions of the landfill slope of inactive Cell 1 are illustrated in Photographs No. 10, No. 14, No. 16, No. 18, No. 19, No. 21, and No. 28. The north, south, and east

slopes are covered with temporary soil cover. All the slopes are covered with temporary grass cover and appeared in good and stable condition without any significant erosion or instability. A shallow (less than 0.5 inches deep) surface crack was present on the east landfill slope of Cell 1 below the perimeter road (Photograph No. 14). Monitoring of the crack is recommended and should be addressed if it becomes significant.

6. The catch basin in the northeast corner of the landfill at the end of the perimeter ditch is illustrated in Photograph No. 20. Two pipe culverts extend from the catch basin to the stormwater pond under the perimeter road (Photograph No. 24). The catch basin and pipe culverts appeared to be functional and in good condition.

7. The Stormwater Pond is located to the east of the landfill and receives non-contact stormwater run-off from the slopes of Cell 1 and areas outside the landfill. The pond appeared to be functioning with some minor erosion due to wild animal activity along the interior slopes (Photographs No. 15, No. 17, and No. 24). The outfall structure (Outfall S004) appeared in good condition and no blockages were observed (Photograph No. 23). Excessive vegetation was present on the exterior slope and at the toe along the railroad embankment, as shown in Photograph No. 25. The excessive vegetation should be addressed and maintained to 12 inches or less to 25 feet from the toe.

8. The Leachate Pond general conditions are illustrated in Photographs No. 30 through 32. The vegetative cover on the interior slopes (north, south, and east) appeared in good and controlled condition. Sloughing of an elevated section of the southern upstream slope that is above the leachate pond crest and below the perimeter road was observed during the 2024 inspection and has since been addressed with riprap armoring (Photograph No. 31). No additional erosion or sloughing was observed at the time of the current inspection.

9. There are three leachate drainpipes (southeast, center, and southwest) on the south slope of the leachate pond. Leachate enters the pond from the Cell 1 and Cell 2 leachate collection system through pipes at the southeast corner and center of the pond south slope (Photograph No. 31). Leachate was draining from the pipe and in functional condition at the time of the inspection.

10. Photograph No. 32 illustrates the west slope of the pond. This slope was repaired a few years ago by replacing vegetative cover with a geosynthetic liner. The liner appeared in good condition without any damage or observable displacement. The slope appeared in good and stable condition without any sign of imminent failure. Vegetation was observed growing along the shoreline against the liner and should be removed as part of the continuing maintenance of the facility.

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

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

5. Summary Findings

5.1 General Observations

1. In general, the landfill is functioning as intended in the design. The landfill areas (Cell 1 and Cell 2) are in good and stable condition.

2. The stormwater ditches and the perimeter drainage channel are in good functional condition. The catch basin in the northeast corner is functioning as designed. Settlement along pipe culverts should be monitored and backfilled as needed to maintain positive drainage.

3. Overall, the leachate pond slopes are in good and stable condition including the west slope, which has been repaired in the past. The stormwater pond is functioning as designed and adequately handling the runoff water. Excessive vegetation should be cleared from the interior and exterior slopes of the pond and outfall area.

5.2 Maintenance Items

General vegetation control should be maintained at the perimeter toe channel, leachate pond and stormwater pond, particularly at the mid slope ditches, around the outlet pipes and interior slopes.

5.3 Items to Monitor

Photo 6 – Monitor minor erosion of pea gravel cover on Closureturf® test pad.

Photo 12 – Monitor vegetation in perimeter channel growing adjacent to artificial turf cover.

Photo 14 – Monitor surface crack in interim cover on Cell 1 exterior slope.

Photo 17 – Monitor wild animal activity on southeast corner of Stormwater Pond interior slope.

5.4 Items to Address

Photo 5 – Address isolated vegetation growing through artificial turf cover on Cell 1 perimeter berm exterior slope.

Photo 25 – Address and maintain vegetation to 12 inches or less on to 25 feet from toe of Stormwater Pond exterior slope.

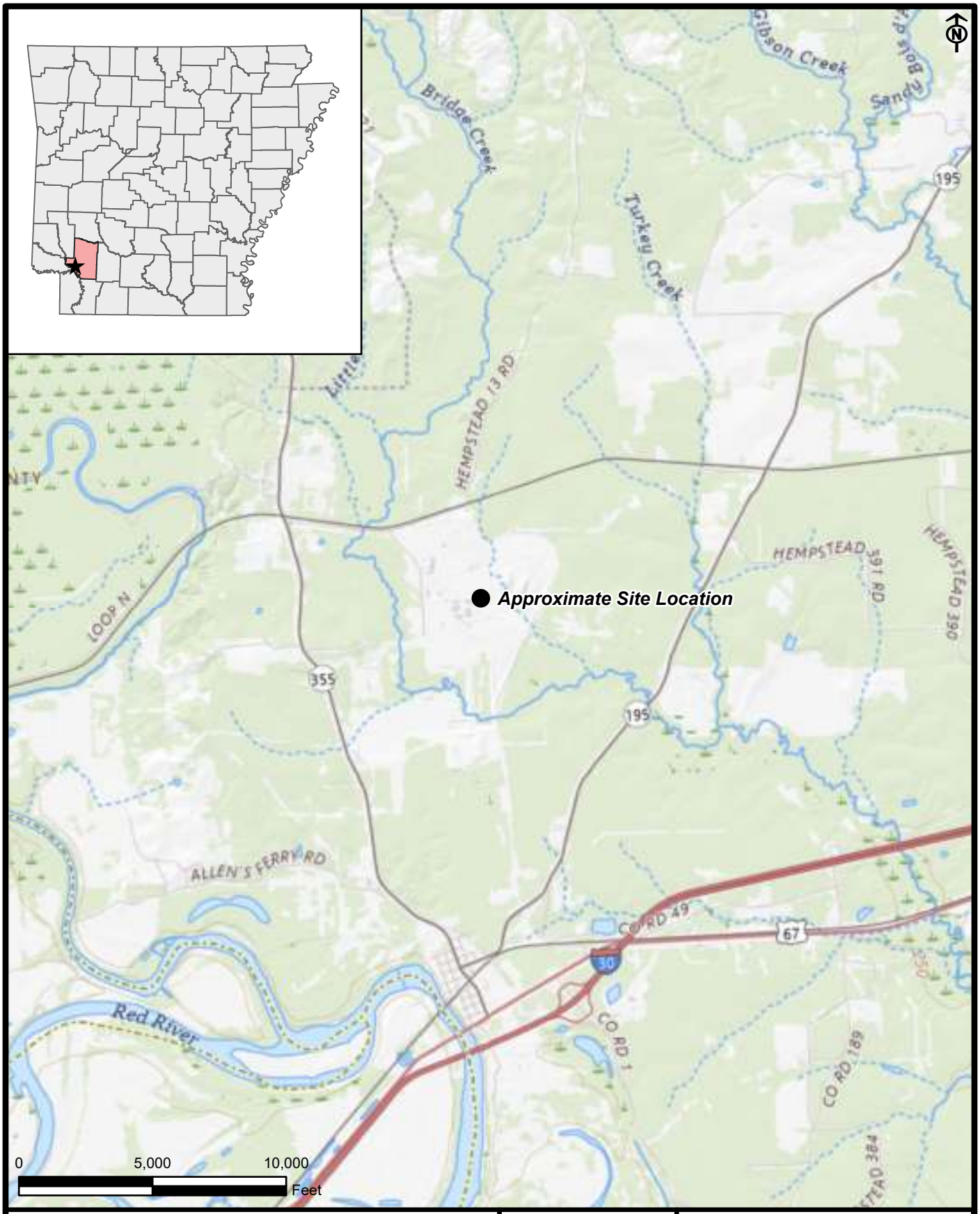
Photo 32 – Address and remove vegetation along shoreline of the west slope of the Leachate Pond.

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 Shah Baig (Phone: 614-716-2241, email: sbaig@aep.com) or Dan Pizzino (Phone: 614-363-9895, email: dwpizzino@aep.com).

Figure 1 – Site Location Map



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Turk Power Plant
Fulton, Arkansas

American Electric Power Service Corporation
Columbus, OH 43215

GEI Consultants

SITE LOCATION MAP

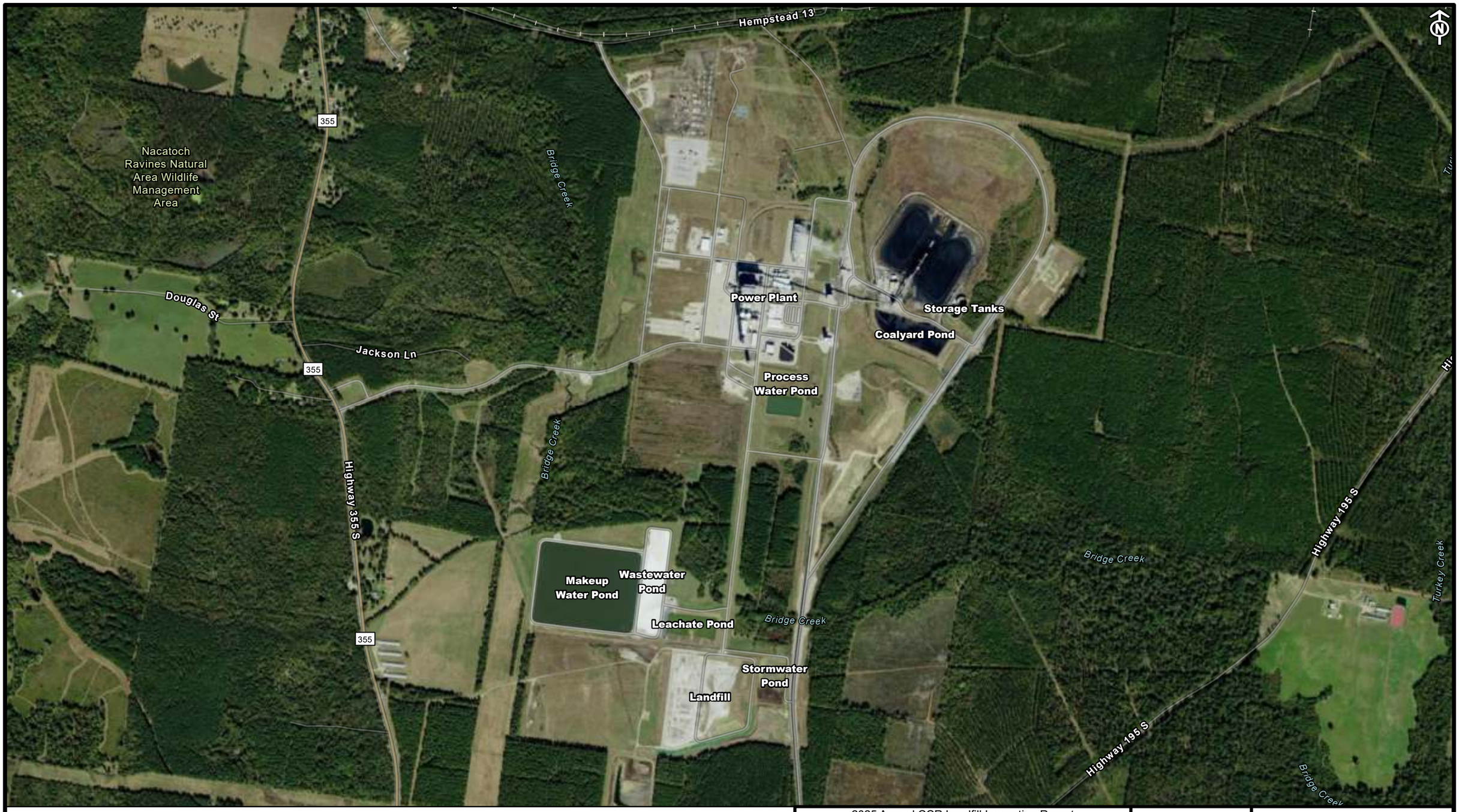
Project 2501323

April 2025

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



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Project 2501323

FACILITY PLAN

April 2025

Fig. 2

Path: B:\Working\AEP\2501323 AEP 2025 Dam & Landfill Inspections\05_GIS\07Turk\Layouts

Figure 3 – Site Plan

LEGEND:

- General Observation

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.

0 250 500 Feet

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Project 2501323

SITE PLAN

April 2025 Fig. 3

Path: B:\Working\AEP\2501323 AEP 2025 Dam & Landfill Inspections\05_GIS\07Turk\Layouts

Figure 4 – Items to be Monitored

LEGEND:

- Monitor

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.

0 250 500 Feet

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Project 2501323

ITEMS TO BE MONITORED

April 2025 Fig. 4

Path: B:\Working\AEP\2501323 AEP 2025 Dam & Landfill Inspections\05_GIS\07Turk\Layouts

Figure 5 – Items to be Addressed

LEGEND:

- Repair

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.

0 250 500 Feet

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ITEMS TO BE ADDRESSED

April 2025 Fig. 5

Path: B:\Working\AEP\2501323 AEP 2025 Dam & Landfill Inspections\05_GIS\07Turk\Layouts

Appendix A - Photolog

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 1	DATE: March 25, 2025 10:03 AM	LATITUDE: 33.63844735	LONGITUDE: -93.81305409
DIRECTION: 94°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		
DESCRIPTION: Cell 2 Perimeter Berm, Downstream Slope of Access Road. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 2	DATE: March 25, 2025 10:14 AM	LATITUDE: 33.63499356	LONGITUDE: -93.81304282
DIRECTION: 271°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		
DESCRIPTION: Cell 2 Perimeter Berm, Downstream Slope of Access Road. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 3	DATE: March 25, 2025 10:27 AM	LATITUDE: 33.63488335	LONGITUDE: -93.81312799
DIRECTION: 7°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Downstream Slope of Perimeter Berm. General Photo, Typical Conditions.

Versa Cap (synthetic grass cover) on downstream perimeter berm.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 4	DATE: March 25, 2025 10:36 AM	LATITUDE: 33.63537271	LONGITUDE: -93.81120112
DIRECTION: 172°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Temporary Exterior Slope of Active Cell 2. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 5	DATE: March 25, 2025 10:37 AM	LATITUDE: 33.63548639	LONGITUDE: -93.81088556
DIRECTION: 153°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Downstream Slope of Perimeter Berm.

Address isolated vegetation growing through Versa Cap (synthetic grass cover) and in accumulated sediments in perimeter ditch.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 6	DATE: March 25, 2025 10:45 AM	LATITUDE: 33.63591371	LONGITUDE: -93.81064029
DIRECTION: 333°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Exterior Slope of Cell 1, Mid-Bench Drain.

Monitor minor erosion in pea gravel cover. Address / re-apply if it becomes significant.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 7	DATE: March 25, 2025 10:50 AM	LATITUDE: 33.63620407	LONGITUDE: -93.8106772
DIRECTION: 185°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Active Cell 2 Chimney Drains, General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 8	DATE: March 25, 2025 10:51 AM	LATITUDE: 33.63621187	LONGITUDE: -93.81069027
DIRECTION: 279°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Crest of Cell 1. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 9	DATE: March 25, 2025 10:54 AM	LATITUDE: 33.63619952	LONGITUDE: -93.8106926
DIRECTION: 4°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Closure Turf Test Pad. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 10	DATE: March 25, 2025 10:59 AM	LATITUDE: 33.63627434	LONGITUDE: -93.8098463
DIRECTION: 282°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Temporary Cover on Exterior Slope of Cell 1. General Photo, Typical Conditions.

Healthy and maintained vegetation.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 11	DATE: March 25, 2025 11:02 AM	LATITUDE: 33.6360065	LONGITUDE: -93.80945506
DIRECTION: 177°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

ClosureTurf Test Pad on Exterior Slope of Cell 1. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 12	DATE: March 25, 2025 11:05 AM	LATITUDE: 33.63591732	LONGITUDE: -93.80937819
DIRECTION: 141°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Perimeter Ditch of Cell 1.

Monitor vegetation growing adjacent to Versa Cap (synthetic grass cover). Address as needed.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 13	DATE: March 25, 2025 11:09 AM	LATITUDE: 33.63606654	LONGITUDE: -93.80921627
DIRECTION: 278°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Perimeter Ditch of Cell 1. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 14	DATE: March 25, 2025 11:15 AM	LATITUDE: 33.63694303	LONGITUDE: -93.80922654
DIRECTION: 266°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Interim Cover on Exterior Slope of Cell 1. Monitor Surface Cracking and address if it becomes significant.

Approximately less than 0.5 inch deep, 31 ft long, and less than 0.5 inch wide.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 15	DATE: March 25, 2025 11:21 AM	LATITUDE: 33.63705952	LONGITUDE: -93.80931277
DIRECTION: 298°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Upstream Slope of Stormwater Runoff Pond. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 16	DATE: March 25, 2025 11:25 AM	LATITUDE: 33.63736926	LONGITUDE: -93.80936873
DIRECTION: 270°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Sideslope Drainage Feature. General Photo, Typical Conditions.

Healthy and maintained vegetation.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 17	DATE: March 25, 2025 11:28 AM	LATITUDE: 33.63741048	LONGITUDE: -93.80930582
DIRECTION: 6°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Upstream Slope of Stormwater Runoff Pond.

Monitor minor wild animal activity, address if it becomes significant.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 18	DATE: March 25, 2025 11:32 AM	LATITUDE: 33.63821972	LONGITUDE: -93.80943857
DIRECTION: 86°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Exterior Slope of Cell 1. Interim Cover, Typical Conditions.

Healthy and maintained vegetation.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 19	DATE: March 25, 2025 11:34 AM	LATITUDE: 33.6382639	LONGITUDE: -93.80947167
DIRECTION: 112°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		
DESCRIPTION: Exterior Slope of Cell 1 General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

PHOTOGRAPH NO: 20	DATE: March 25, 2025 11:35 AM	LATITUDE: 33.63826243	LONGITUDE: -93.80936773
DIRECTION: 235°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		
DESCRIPTION: Drainage Structure. General Photo, Typical Conditions. Intake structure at NE corner of Cell 1 Perimeter Berm. Outlets to Stormwater Runoff Pond.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 21	DATE: March 25, 2025 11:40 AM	LATITUDE: 33.63854974	LONGITUDE: -93.80941789
DIRECTION: 157°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Exterior Slope of Cell 1. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 22	DATE: March 25, 2025 11:43 AM	LATITUDE: 33.63868112	LONGITUDE: -93.81059852
DIRECTION: 359°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Perimeter Ditch of Cell 1. General Photo, Typical Conditions.

Perimeter ditch drains to Stormwater Runoff Pond.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 23	DATE: March 25, 2025 11:48 AM	LATITUDE: 33.63877253	LONGITUDE: -93.80863352
DIRECTION: 266°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Stormwater Runoff Pond Outfall S004. General Photo, Typical Conditions.

No blockages observed.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 24	DATE: March 25, 2025 11:50 AM	LATITUDE: 33.63876392	LONGITUDE: -93.80803637
DIRECTION: 137°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Stormwater Runoff Pond. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 25	DATE: March 25, 2025 11:53 AM	LATITUDE: 33.6387717	LONGITUDE: -93.80795515
DIRECTION: 75°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Downstream Slope of Stormwater Runoff Pond.

Address/maintain vegetation to 12-inches or less to 25 feet from toe of slope.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 26	DATE: March 25, 2025 11:59 AM	LATITUDE: 33.63890154	LONGITUDE: -93.81057375
DIRECTION: 12°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Downstream Slope and Toe of Cell 1 Perimeter Berm. General Photo, Typical Conditions.

Vegetation healthy and maintained.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 27	DATE: March 25, 2025 12:02 PM	LATITUDE: 33.63865618	LONGITUDE: -93.81107849
DIRECTION: 180°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Perimeter Ditch. General Photo, Typical Conditions.

Stormwater ditch along north edge of Cell 2 – no blockages observed.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 28	DATE: March 25, 2025 12:04 PM	LATITUDE: 33.63849083	LONGITUDE: -93.81133036
DIRECTION: 40°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Exterior Slope of Cell 1. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 29	DATE: March 25, 2025 12:08 PM	LATITUDE: 33.63845139	LONGITUDE: -93.81260522
DIRECTION: 41°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Active Cell 2, typical conditions.

CCR placement along edges to direct runoff to chimney drains.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 30	DATE: March 25, 2025 1:15 PM	LATITUDE: 33.64007615	LONGITUDE: -93.81326171
DIRECTION: 16°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Leachate Pond. General Photo, Typical Conditions.

PHOTO BY:

GEI CONSULTANTS, INC.

Photographic Log

Project: Turk Power Plant, Landfill Inspection
Client: American Electric Power **GEI Project:** 2501323

PHOTOGRAPH NO: 31	DATE: March 25, 2025 1:17 PM	LATITUDE: 33.64002865	LONGITUDE: -93.81324096
DIRECTION: 51°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Upstream Slope Leachate Pond. General Photo, Typical Conditions.

Note: significant slope erosion noted in 2024 annual inspection was appropriately addressed with riprap. No erosion observed.

PHOTO BY:

GEI CONSULTANTS, INC.

PHOTOGRAPH NO: 32	DATE: March 25, 2025 1:18 PM	LATITUDE: 33.64003161	LONGITUDE: -93.81324616
DIRECTION: 111°	SITE LOCATION: TURK POWER PLANT, FULTON, ARKANSAS		

DESCRIPTION:

Upstream Slope of Leachate Pond.

Address/remove vegetation along the shoreline.

PHOTO BY:

GEI CONSULTANTS, INC.