



Ash Landfill 2024 Annual CCR Landfill Inspection Report

Welsh Power Plant, Cason, Texas

Submitted to:

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

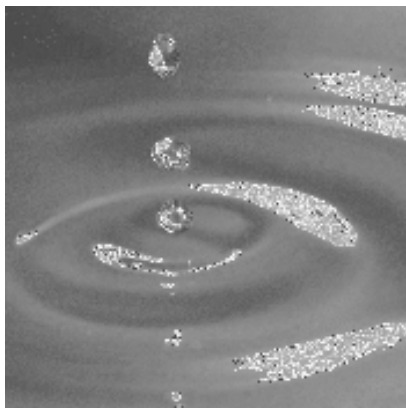
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August 13, 2024

Project 2305686

AEP Document ID: GEVR-24-014



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2024 Annual Inspection Report



**CCR Landfill
Welsh Power Plant
AEP Document ID: GEVR-24-014**

Noelle Gaspard

Signature

Noelle Gaspard, PE
Water Resources Practice Lead
GEI Consultants, Inc.

August 13, 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).

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JRP

B:\Working\AEP\2305686 2024 Dam & Landfill Field Insps\08_FINAL INSPECTION REPORTS\07Welsh\CCR Landfill\FINAL_2024 Welsh CCR Landfill.docx

1. Introduction

GEI Consultants, Inc. was retained by AEP to implement the 2024 Landfill Inspection Program at AEP facilities. As part of the program, GEI's Pedro Amaya, PE and Aria Fathi, PE performed the 2024 inspection for the Ash Landfill at the Welsh Power Plant. Mr. W. Greg Carter, PE of AEP's Regional Engineering participated in the inspection and provided contextual background. This report was prepared by Pedro Amaya, PE and Jeff Piaskowski, PE 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 19, 2024. Weather conditions were sunny with mild temperatures approximately 60 degrees Fahrenheit. According to the rain gauge at the plant, there was approximately 1.85-inches of rain in the 7 days prior to the inspection, and no precipitation the day of this inspection.

The AEP J. Robert Welsh Plant is located in southern Titus County, approximately 8 miles northeast of Pittsburg, Texas, and approximately two miles northwest of Cason, Texas as shown on Figure 1 – Site Location Map. The facility arrangement is provided on Figure 2 – Facility Plan. This report contains the inspection findings, observations, photographic descriptions, conclusions, and maintenance recommendations. 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, item to be monitored, or as an item to be addressed. The general site observations, items to be monitored, and items to be addressed are presented on Figure 3 – Site Plan, Figure 4 – Items to be Monitored, and Figure 5 – Items to be Addressed, respectively.

2. Description of Landfill

The AEP-SWEPCO Welsh Power Plant has a deed recorded Ash Landfill (also previously known as Fly Ash Storage Area or Phase 1) located in Titus County, Texas. The Welsh Ash Landfill is on record with the Texas Commission on Environmental Quality (TCEQ) as Industrial Solid Waste Facility (Registration Number 31086).

The Welsh Ash Landfill receives bottom ash, economizer ash, and fly ash from two 528 MW coal fired boilers. Typically, the Welsh Power Plant annually produces approximately 100,000 cubic yards of fly ash and 30,000 cubic yards of bottom and economizer ash.

The Welsh Ash Landfill is generally operated in two sections. The eastern two-thirds of the landfill is primarily composed of dredged bottom ash, economizer ash, and fly ash material sluiced to the ash landfill between approximately 1986 and 2000. Since 2000, this area has been the primary disposal area for the landfill and is currently active. An ash marketer is contracted to sell all marketable ash material for beneficial reuse to extend the life of the landfill. The ash marketer utilizes the remaining western one-third of the landfill as a temporary storage and process area.

At present, the CCR materials generated from the closure of the Bottom Ash Storage Pond are being placed and moisture conditioned in the eastern two-thirds of the Ash Landfill. This process will continue until all the CCR materials from the Bottom Ash Storage Pond (as part of the closure-by-removal project) are removed and disposed of at the Landfill.

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

A review of available information regarding the status and condition of the 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. Based on the review of the data there were no signs of actual or potential structural weakness or adverse conditions.

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. The overall geometry of the landfill has remained essentially unchanged, except for the change in topography of the active disposal, ash processing areas, construction activities per the Landfill design.

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

In accordance with 257.84(b) the approximate volume of CCR added to or removed from the landfill for beneficial use between September 2023 and March 2024 was estimated by AEP as follows. The CCR Tracking Spreadsheet provided by Landfill staff indicates that approximately 163,939 cubic yards of ash by product was added to the landfill while approximately 4,459 cubic yards of ash by product (fly ash and flex base) were removed from the landfill. This estimate results in a net additional volume of approximately 159,480 cubic yards of CCR material in the Landfill.

From the 2023 CCR inspection report, the estimated volume was given as 844,793 cubic yards of the CCR material. Applying estimated net addition of 159,480 cubic yards, the total volume of CCR in the Welsh Landfill is estimated to be 1,004,273 cubic yards.

$$844,793 + 159,480 = 1,004,273 \text{ cubic yards}$$

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 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 sign 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, disposal cells and appurtenances such as leachate collection systems.

Overall, the facility is in satisfactory condition. The landfill is functioning as intended with no signs of potential structural weakness or conditions, which are disrupting to the safe operation of the Ash Landfill.

1. The east slope of the Ash Landfill and the toe ditch is illustrated in Photograph No. 2 through No.6. The slope appeared in satisfactory condition with no signs of seepage, significant erosion, or sloughing. Photograph No. 1 illustrates the HDPE lined letdown channel in the northeast corner of the landfill. The channel appeared to be in satisfactory and functional condition. The bottom section of the letdown channel is protected with a concrete energy dissipater. The letdown, toe ditch, and the pipe culverts are functioning as designed. The perimeter soil berm recently constructed on the crest of the landfill to control the contact stormwater from the Landfill, appeared in good and stable condition. The general condition of the placed CCR material at the Ash Landfill are shown in Photograph No. 14. The placed material appeared to be stable without any standing water or significant erosion.
2. The perimeter soil berm at the north slope of the Ash Landfill appeared in good and stable condition. Photographs No. 25 through No. 28 show the condition of the outer slopes, northern let down channel and perimeter ditch on the north side of the landfill. Most of the slope appeared in satisfactory condition with no signs of seepage, significant erosion, or sloughing. Vegetation cover is generally satisfactory except overgrown vegetation was documented along the western dike near the pipe culverts and is shown in Photograph No. 22 and No. 23.
3. The west berm is shown on Photographs No. 19 and No. 20. The outer slopes of the western berm of the landfill are partially constructed of temporary soil cover material and have overgrown vegetation on the surface. The outer slopes appeared to be in poor, but functioning condition. The toe ditch is covered with overgrown vegetation. The western 1/3 of the landfill area is primarily utilized for the processing for beneficial use and sale of CCR materials. This area is maintained and CCR materials are contained within the solid waste boundary.
4. The southeast slope of the landfill and the toe ditch is shown in Photograph No. 7 through No. 11. The slope appeared in satisfactory condition with no signs of seepage, significant erosion, or sloughing. There were a few areas on the slope that exhibit minor erosion as shown in Photograph No.10. The covered stability dike that contains ash within the

landfill appeared in good and stable condition and is shown in Photographs No. 7 and No. 8.

5. The existing section of the south slope and the toe ditch were functioning as designed and in good, stable condition.

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

Based on interviews with plant personnel and field observations the following changes to the Landfill were made since the last annual inspection:

- South stability dike extension construction
- Structural dike construction on the north, east, and south sides to allow additional ash to be landfilled
- Chimney drain construction that coincides with ash placement

These actions are consistent with the design and operation of the landfill and do not negatively affect the current stability of the landfill and facilitate future re-configuration and operation.

5. Summary Findings

5.1 General Observations

In general, the landfill is functioning as intended and the active area, interim cover, final cover, material processing area, runoff control system, and leachate collection system piping network appeared to be functioning. Regular maintenance and inspections are being conducted as required.

5.2 General Maintenance Considerations

The following maintenance items were identified during the visual inspection.

1. Vegetation growth on the newly capped and covered slopes (South, East and North) is satisfactory, but the west berm and northwest areas had either limited vegetation that could be re-seeded or overgrown vegetation that should be controlled with mowing. The inner and outer slopes of the western berm are in poor, but functioning condition. The west berm will have to be re-built and the slope vegetation cleared and maintained before any active disposal operations can occur in the western end of the Landfill.

5.3 Items to be Monitored

Three items were identified during the visual inspection as items to be monitored.

- Leachate pumps should be monitored until the pumps resume to show normal readings related to the landfill leachate level. Alternately, operate the leachate pumps manually as needed.
- Item 10 – South face of the landfill slope. Monitor erosion, address as needed.
- Item 13 – South face of the landfill slope. Monitor animal activity, address as needed.

These locations are provided on Figure 4 – Items to be Monitored. Photographs of the items are provided in Appendix A – Photolog.

5.4 Items to be Addressed

Three items were identified during the visual inspection as items to be addressed.

- Item 19 – Address heavy vegetation along the western perimeter of the landfill.
- Item 20 – Address heavy vegetation along the western perimeter of the landfill.

- Item 23 – Address vegetation in the northwest corner of the landfill.

These locations are provided on Figure 5 – Items to be Addressed. Photographs of the items are provided in Appendix A – Photolog.

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

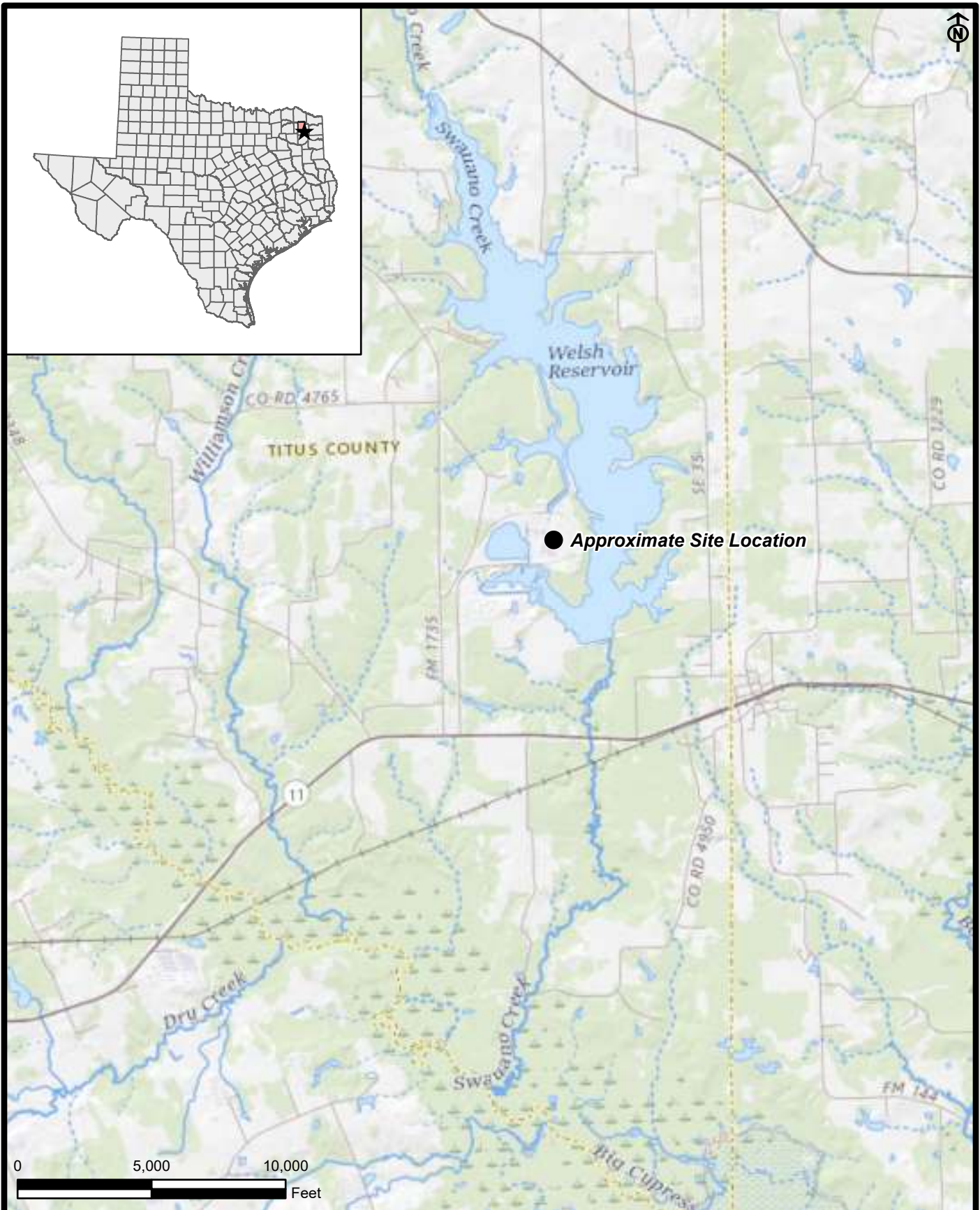
There were no signs of structural weakness or disruptive conditions that were observed at the time of the inspection that would require additional investigation or remedial action. There were no deficiencies noted during this inspection or during any of the periodic 7-day inspections.

A deficiency is defined as either:

1. Uncontrolled seepage (leachate outbreak),
2. Displacement of the embankment,
3. Blockage of control features, or
4. Erosion, more than minor maintenance.

If you have any questions with regard to this report, please do not hesitate to contact Greg Carter at (903) 927-5896 or wgcarter@aep.com or Bryan Brunton at (614) 477-2659 bwbrunton@aep.com.

Figure 1 – Site Location Map



2024 Annual CCR Landfill Inspection Report
 Welsh Power Plant
 Cason, Texas

American Electric Power Service Corporation
 Columbus, OH 43215



SITE LOCATION MAP

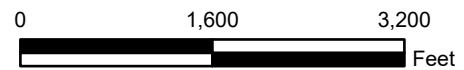
Project 2305686

April 2024

Fig. 1

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

Figure 2 – Facility Plan



2024 Annual CCR Landfill Inspection Report
 Welsh Power Plant
 Cason, Texas

American Electric Power Service Corporation
 Columbus, OH 43215



Project 2305686

FACILITY PLAN

April 2024

Fig. 2

Figure 3 – Site Plan

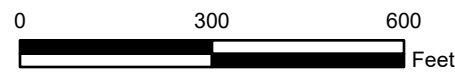


LEGEND:

- General Observation
- ⊕ Background Monitoring Well
- ⊕ Down Gradient Monitoring Well

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.



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Cason, Texas

American Electric Power Service Corporation
Columbus, OH 43215



Project 2305686

SITE PLAN

July 2024

Fig. 3

Figure 4 – Items to be Monitored

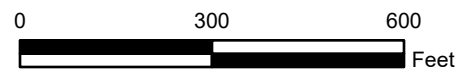


LEGEND:

- Monitor
- Background Monitoring Well
- Down Gradient Monitoring Well

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.



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Cason, Texas

American Electric Power Service Corporation
Columbus, OH 43215



Project 2305686

ITEMS TO BE MONITORED

July 2024

Fig. 4

Figure 5 – Items to be Addressed

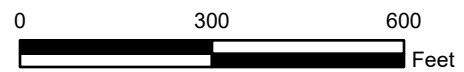


LEGEND:

- Repair
- ⊕ Background Monitoring Well
- ⊗ Down Gradient Monitoring Well

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.



2024 Annual CCR Landfill Inspection Report
Welsh Plant Ash Landfill
Cason, Texas

American Electric Power Service Corporation
Columbus, OH 43215



Project 2305686

ITEMS TO BE ADDRESSED

July 2024

Fig. 5

Appendix A - Photolog

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686



PHOTOGRAPH NO: 1	DATE: March 19, 2024 4:44 PM	LATITUDE: 33.0493698	LONGITUDE: -94.84292349
DIRECTION: Southwest		SITE LOCATION: CASON, TEXAS	
DESCRIPTION: North area, Downstream Slope of Outboard Dike. Looking Southwest. Note Synthetic Liner on Drainage Feature.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH NO: 2	DATE: March 19, 2024 4:47 PM	LATITUDE: 33.048582440568	LONGITUDE: -94.8428297882575
DIRECTION: South		SITE LOCATION: CASON, TEXAS	
DESCRIPTION: East area, Downstream Slope. Looking South. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686



PHOTOGRAPH NO: 3	DATE: March 19, 2024 4:49 PM	LATITUDE: 33.0485136873554	LONGITUDE: -94.8427780390795
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: East area, Downstream Slope. Looking West. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH NO: 4	DATE: March 19, 2024 3:33 PM	LATITUDE: 33.04752319	LONGITUDE: -94.84295892
DIRECTION: North	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: East area, Downstream Slope of Outboard Dike. Note wet are at base of Toe.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH NO: 5	DATE: March 19, 2024 3:38 PM	LATITUDE: 33.04750493	LONGITUDE: -94.84318024
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: East area, Downstream Slope of Outboard Dike. Looking North. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH NO: 6	DATE: March 19, 2024 3:39 PM	LATITUDE: 33.04740174	LONGITUDE: -94.84325309
DIRECTION: Southeast	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: East area, Drainage Feature from Intermediate Bench to Toe. Looking Southeast. Typical Riprap.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



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

PHOTOGRAPH NO: 7	DATE: March 19, 2024 3:39 PM	LATITUDE: 33.047247430547	LONGITUDE: -94.843326002021
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope. Looking West. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH NO: 8	DATE: March 19, 2024 3:42 PM	LATITUDE: 33.04725007	LONGITUDE: -94.84333709
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope of Outboard Dike. Looking West. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH NO: 9	DATE: March 19, 2024 3:41 PM	LATITUDE: 33.0471584272013	LONGITUDE: -94.843548673412
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope and Toe. Looking Southwest. General Photo, Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH NO: 10	DATE: March 19, 2024 3:44 PM	LATITUDE: 33.0473045	LONGITUDE: -94.84371288
DIRECTION: North	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope of Outboard Dike. Looking North. Minor Erosion, Monitor Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 11	DATE: March 19, 2024 3:43 PM	LATITUDE: 33.0474239943962	LONGITUDE: -94.84402153221
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Crest. Looking West. Top of Structural Berm.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 12	DATE: March 19, 2024 3:45 PM	LATITUDE: 33.0474527141016	LONGITUDE: -94.8441648541218
DIRECTION: East	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Crest and Upstream slope. Looking East. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 13	DATE: March 19, 2024 3:46 PM	LATITUDE: 33.04729101	LONGITUDE: -94.84425337
DIRECTION: North	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope of Outboard Dike. Looking North. Animal Burrow. Monitor Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 14	DATE: March 19, 2024 3:47 PM	LATITUDE: 33.0474380460743	LONGITUDE: -94.8448276105499
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Crest. Looking North. Typical Interior Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 15	DATE: March 19, 2024 3:48 PM	LATITUDE: 33.0472876	LONGITUDE: -94.84502938
DIRECTION: East	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, Downstream Slope of Outboard Dike. Looking East. Note Toe Ditch and Check Dam Construction.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 16	DATE: March 19, 2024 3:54 PM	LATITUDE: 33.04715623	LONGITUDE: -94.84733536
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: South area, looking West. CCR processing area for beneficial use. Typical conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 17	DATE: March 19, 2024 3:56 PM	LATITUDE: 33.04715439	LONGITUDE: -94.84735059
DIRECTION: West	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Upstream Slope of Outboard Dike. Looking West. Note Current Landfilling Activity.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 18	DATE: March 19, 2024 3:58 PM	LATITUDE: 33.0471055776082	LONGITUDE: -94.8475132756407
DIRECTION: Northeast	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Downstream Slope at Drainage Feature. Looking Northeast. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686



PHOTOGRAPH No: 19	DATE: March 19, 2024 4:06 PM	LATITUDE: 33.04754801	LONGITUDE: -94.8495442
DIRECTION: South	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Crest and Downstream Slope of Perimeter Berm. Looking South. Thick Underbrush, Please Remove.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 20	DATE: March 19, 2024 4:09 PM	LATITUDE: 33.04760251	LONGITUDE: -94.84953958
DIRECTION: North	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Crest and Downstream Slope of Outboard Dike. Looking North. Thick Underbrush, Please Remove.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686



PHOTOGRAPH No: 21	DATE: March 19, 2024 4:13 PM	LATITUDE: 33.04855032	LONGITUDE: -94.84952324
DIRECTION: South	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Downstream Slope of Outboard Dike. Looking South. Note Standing Water and Toe of Dike.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 22	DATE: March 19, 2024 4:15 PM	LATITUDE: 33.04865543	LONGITUDE: -94.84964213
DIRECTION: North	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: West area, Downstream Slope of Outboard Dike. Looking North. Note Drainage Culvert to Primary Ash pond.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 23	DATE: March 19, 2024 4:18 PM	LATITUDE: 33.04916949	LONGITUDE: -94.8495
DIRECTION: East	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North Dike Northwest Corner, Downstream Slope of Outboard Dike. Looking East. Note Brush and Vegetation. Please Remove.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 24	DATE: March 19, 2024 4:23 PM	LATITUDE: 33.04913614	LONGITUDE: -94.84862158
DIRECTION: Southeast	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North area, Active Placement Area. Looking Southeast.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686



PHOTOGRAPH No: 25	DATE: March 19, 2024 4:27 PM	LATITUDE: 33.04935643	LONGITUDE: -94.84805425
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North area, Downstream Slope of Outboard Dike. Looking Southeast. Typical Ground Cover.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 26	DATE: March 19, 2024 4:39 PM	LATITUDE: 33.04942467	LONGITUDE: -94.84590487
DIRECTION: East	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North area, Downstream Slope of Outboard Dike. Looking East. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			

Photographic Log



Project: Welsh Power Plant, CCR Landfill Inspection
Client: American Electric Power

GEI Project: 2305686

PHOTOGRAPH No: 27	DATE: March 19, 2024 4:34 PM	LATITUDE: 33.04945795	LONGITUDE: -94.8459425
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North area, Downstream Slope Drainage Feature. Note Synthetic Liner Cover.			
PHOTO BY: GEI CONSULTANTS, INC.			
PHOTOGRAPH No: 28	DATE: March 19, 2024 4:40 PM	LATITUDE: 33.0494484949398	LONGITUDE: -94.8458731475664
DIRECTION:	SITE LOCATION: CASON, TEXAS		
DESCRIPTION: North area, Downstream Slope and Toe. Looking Southeast. Typical Conditions.			
PHOTO BY: GEI CONSULTANTS, INC.			