

2022 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
UTILITY WASTE LANDFILL
NEW MADRID POWER PLANT
MARSTON, MISSOURI

by
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for
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1. Introduction

This 2022 Annual Groundwater Monitoring and Corrective Action Report (Annual Report) addresses the Utility Waste Landfill (UWL) at the New Madrid Power Plant (NMPP), operated by the Associated Electric Cooperative, Inc. (AECI). This Annual Report was developed in accordance with the U.S. Environmental Protection Agency Coal Combustion Residual (CCR) Rule effective 19 October 2015 (Rule) including subsequent revisions, specifically Title 40 Code of Federal Regulations (40 CFR), subsection 257.90(e). The Annual Report documents the groundwater monitoring system for the UWL consistent with applicable sections of 257.90 through 257.98, and describes activities conducted in the prior calendar year (2022) and documents compliance with the Rule. The specific requirements listed in § 257.90(e)(1) through (6) of the Rule are provided in Sections 1 and 2 of this Annual Report and are in bold italic font, followed by a short narrative describing how each Rule requirement has been met.

1.1 40 CFR § 257.90(e)(6) SUMMARY

A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:

1.1.1 40 CFR § 257.90(e)(6)(i) – Initial Monitoring Program

At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;

At the start of the current annual reporting period (1 January 2022), the UWL was operating under a detection monitoring program in compliance with 40 CFR § 257.94.

1.1.2 40 CFR § 257.90(e)(6)(ii) – Final Monitoring Program

At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;

At the end of the current annual reporting period (31 December 2022), the UWL was operating under a detection monitoring program in compliance with 40 CFR § 257.94.

1.1.3 40 CFR § 257.90(e)(6)(iii) – Statistically Significant Increases

If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):

1.1.3.1 40 CFR § 257.90(e)(6)(iii)(a)

Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and

No statistically significant increases (SSI) over background were identified during the previous calendar year (2022).

1.1.3.2 40 CFR § 257.90(e)(6)(iii)(b)

Provide the date when the assessment monitoring program was initiated for the CCR unit.

No SSIs over background were identified during the previous calendar year (2022); therefore, an assessment monitoring program was not initiated for the UWL in 2022.

1.1.4 40 CFR § 257.90(e)(6)(iv) – Statistically Significant Levels

If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following:

1.1.4.1 40 CFR § 257.90(e)(6)(iv)(a) – Statistically Significant Level Constituents

Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;

The UWL remains in detection monitoring and no appendix IV constituents were collected or analyzed in 2022. Therefore, no statistically significant levels above the groundwater protection standard were identified for the UWL.

1.1.4.2 40 CFR § 257.90(e)(6)(iv)(b) – Initiation of the Assessment of Corrective Measures

Provide the date when the assessment of corrective measures was initiated for the CCR unit;

No assessment of corrective measures was required to be initiated in 2022 for this unit. The UWL remained in detection monitoring during 2022.

1.1.4.3 40 CFR § 257.90(e)(6)(iv)(c) – Assessment of Corrective Measures Public Meeting

Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and

An assessment of corrective measures was not required for the UWL in 2022; therefore, a public meeting was not held.

1.1.4.4 40 CFR § 257.90(e)(6)(iv)(d) – Completion of the Assessment of Corrective Measures

Provide the date when the assessment of corrective measures was completed for the CCR unit.

No assessment of corrective measures was required to be initiated in 2022 for this unit. The UWL remained in detection monitoring during 2022.

1.1.5 40 CFR § 257.90(e)(6)(v) – Selection of Remedy

Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection; and

The UWL remains in detection monitoring, and no remedy was required to be selected.

1.1.6 40 CFR § 257.90(e)(6)(vi) – Remedial Activities

Whether remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.

No remedial activities were required to be initiated in 2022; therefore, no demonstration or certification is applicable for this unit.

2. 40 CFR § 257.90 Applicability

2.1 40 CFR § 257.90(a)

All CCR landfills, CCR surface impoundments, and lateral expansions of CCR units are subject to the groundwater monitoring and corrective action requirements under §§ 257.90 through 257.99, except as provided in paragraph (g) [Suspension of groundwater monitoring requirements] of this section.

AECI has installed and certified a groundwater monitoring system at the NMPP UWL. The UWL is the CCR management unit addressed in this report and is subject to the groundwater monitoring and corrective action requirements described under 40 CFR §§ 257.90 through 257.98. This document addresses the requirement for the Owner/Operator to prepare an Annual Report per § 257.90(e) (Rule).

2.2 40 CFR § 257.90(e) – SUMMARY

Annual groundwater monitoring and corrective action report. For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).

This Annual Report describes monitoring completed and actions taken at the NMPP UWL as required by the Rule. Groundwater sampling and analysis was conducted in accordance with requirements described in § 257.93, and the status of the groundwater monitoring program described in § 257.94 and § 257.95 is also provided in this report. This Annual Report documents the applicable groundwater-related activities completed in the calendar year 2022.

2.2.1 Status of the Groundwater Monitoring Program

Statistical analyses of semi-annual detection monitoring data collected in August 2021 and February 2022 were completed in 2022 and indicated no appendix III SSIs at the UWL. The unit remains in a detection monitoring program.

2.2.2 Key Actions Completed

The 2021 Annual Groundwater Monitoring and Corrective Action Report was completed in January 2022. Statistical analysis was completed in January 2022 on analytical data from the

August 2021 semi-annual detection monitoring sampling event. The statistical analysis indicated no SSIs for appendix III constituents. Semi-annual detection monitoring events were completed in February and August 2022. Statistical analysis was completed within 90 days of receipt of verified laboratory data for the February 2022 sampling event. No SSIs were determined for the sampling event. Statistical analysis of the results from the August 2022 semi-annual detection monitoring sampling event are due to be completed in January 2023 and will be reported in the next annual report.

2.2.3 Problems Encountered

Problems encountered during groundwater monitoring activities in 2022 consisted of laboratory errors that resulted in appendix III constituents being analyzed outside of hold times for the upgradient wells (MW-16, B-123, and B-126) during the August 2022 semi-annual sampling event. These wells were resampled on 13 October 2022 with analytical results received on 28 October 2022. An additional laboratory error required the reanalysis of fluoride and total dissolved solids during the October 2022 resampling event for monitoring wells MW-16, B-123, and B-126. The analytical results were revised accordingly.

2.2.4 Actions to Resolve Problems

The resolution to sampling and laboratory problems encountered in 2022 included additional laboratory analyses and/or resampling at select monitoring wells, as described above. The analytical results were updated accordingly. No other problems were encountered at the UWL in 2022; therefore, no actions to resolve problems were required.

2.2.5 Project Key Activities for Upcoming Year

Key activities planned for 2023 include completion of the 2022 Annual Groundwater Monitoring and Corrective Action Report, statistical analysis of detection monitoring analytical data collected in August 2022, and semi-annual detection monitoring and subsequent statistical analyses.

2.3 40 CFR § 257.90(e) – INFORMATION

At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

2.3.1 40 CFR § 257.90(e)(1)

A map, aerial image, or diagram showing the CCR unit and all background (or up gradient) and down gradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

As required by § 257.90(e)(1), a map showing the locations of the CCR unit and associated upgradient and downgradient monitoring wells for the UWL is included in this report as Figure 1. In addition, this information is presented in the CCR Groundwater Monitoring Network Description Report prepared for AECl, which was placed in the facility's operating record by 17 October 2017 as required by § 257.105(h)(2).

2.3.2 40 CFR § 257.90(e)(2) – Monitoring System Changes

Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;

No monitoring wells were installed or decommissioned during 2022.

2.3.3 40 CFR § 257.90(e)(3) – Summary of Sampling Events

In addition to all the monitoring data obtained under §257.90 through §257.98, a summary including the number of groundwater samples that were collected for analysis for each background and down gradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

In accordance with § 257.94(b), two independent detection monitoring samples from each background and downgradient monitoring well were collected in 2022. A summary including the sample names, sample dates, field parameters, and analytical data obtained for the groundwater monitoring program for the UWL is presented in Table I of this report.

2.3.4 40 CFR § 257.90(e)(4) – Monitoring Transition Narrative

A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and

Data from the groundwater sampling events for the downgradient wells were compared to the calculated prediction limit (PL) for the appendix III constituents. Once the data is verified, a sample concentration greater than the PL is considered to represent a SSI. The statistical analyses completed in 2022 for the August 2021 and February 2022 semi-annual detection monitoring sampling events indicated no SSIs for appendix III constituents. The UWL remains in detection monitoring; therefore, there was no transition between monitoring programs in 2022.

2.3.5 40 CFR § 257.90(e)(5) – Other Requirements

Other information required to be included in the annual report as specified in § 257.90 through § 257.98.

This Annual Report documents activities conducted to comply with §§ 257.90 through 257.95 of the Rule. It is understood that there are supplemental references in §§ 257.90 through 257.98 that must be placed in the Annual Report. The following requirements include relevant and required information in the Annual Report for activities completed in calendar year 2022.

2.3.5.1 40 CFR § 257.94(d)(3) – Demonstration for Alternative Detection Monitoring Frequency

The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority stating that the demonstration for an alternative groundwater sampling and analysis frequency meets the requirements of this section. The owner or operator must

include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority in the annual groundwater monitoring and corrective action report required by § 257.90(e).

An alternative groundwater detection monitoring sampling and analysis frequency has not been established for this CCR unit; therefore, no demonstration or certification is applicable.

2.3.5.2 **40 CFR § 257.94(e)(2) – Detection Monitoring Alternate Source Demonstration**

The owner or operator may demonstrate that a source other than the CCR unit caused the statistically significant increase over background levels for a constituent or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. The owner or operator must complete the written demonstration within 90 days of detecting a statistically significant increase over background levels to include obtaining a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority verifying the accuracy of the information in the report. If a successful demonstration is completed within the 90-day period, the owner or operator of the CCR unit may continue with a detection monitoring program under this section. If a successful demonstration is not completed within the 90-day period, the owner or operator of the CCR unit must initiate an assessment monitoring program as required under § 257.95. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by § 257.90(e), in addition to the certification by a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

No appendix III SSIs were indicated by statistical analyses completed in 2022; consequently, no alternative source demonstration or certification is applicable.

2.3.5.3 **40 CFR § 257.95(c)(3) – Demonstration for Alternative Assessment Monitoring Frequency**

The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority stating that the demonstration for an alternative groundwater sampling and analysis frequency meets the requirements of this section. The owner or operator must include the demonstration providing the basis for the alternative monitoring frequency and the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority in the annual groundwater monitoring and corrective action report required by § 257.90(e).

The UWL remains in detection monitoring and an alternative groundwater assessment monitoring sampling and analysis frequency has not been established for this CCR unit; therefore, no demonstration or certification is applicable.

2.3.5.4 [40 CFR § 257.95\(d\)\(3\) – Assessment Monitoring Concentrations and Groundwater Protection Standards](#)

Include the recorded concentrations required by paragraph (d)(1) of this section, identify the background concentrations established under § 257.94(b), and identify the groundwater protection standards established under paragraph (d)(2) of this section in the annual groundwater monitoring and corrective action report required by § 257.90(e).

The UWL remains in detection monitoring and no assessment monitoring samples were collected or analyzed in 2022. Consequently, AECl is not required to establish groundwater protection standards for this CCR unit and this criterion is not applicable.

2.3.5.5 [40 CFR § 257.95\(g\)\(3\)\(ii\) – Assessment Monitoring Alternate Source Demonstration](#)

Demonstrate that a source other than the CCR unit caused the contamination, or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. Any such demonstration must be supported by a report that includes the factual or evidentiary basis for any conclusions and must be certified to be accurate by a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority. If a successful demonstration is made, the owner or operator must continue monitoring in accordance with the assessment monitoring program pursuant to this section and may return to detection monitoring if the constituents in appendices III and IV to this part are at or below background as specified in paragraph (e) of this section. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by § 257.90(e), in addition to the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

Assessment monitoring statistical analyses were not required or completed in 2022. Therefore, this criterion is not applicable.

2.3.5.6 [40 CFR § 257.96\(a\) – Demonstration for Additional Time for Assessment of Corrective Measures](#)

Within 90 days of finding that any constituent listed in appendix IV to this part has been detected at a statistically significant level exceeding the groundwater protection standard defined under § 257.95(h), or immediately upon detection of a release from a CCR unit, the owner or operator must initiate an assessment of corrective measures to prevent further releases, to remediate any releases and to restore affected area to original conditions. The assessment of corrective measures must be completed within 90 days, unless the owner or operator demonstrates the need for additional time to complete the assessment of corrective measures due to site-specific conditions or circumstances. The owner or operator must obtain a certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority attesting that the demonstration is accurate. The 90-day deadline to complete the assessment of corrective measures may be extended for no longer than 60 days. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report

required by § 257.90(e), in addition to the certification by a qualified professional engineer or the approval from the Participating State Director or approval from EPA where EPA is the permitting authority.

Assessment monitoring statistical analyses were not required or completed in 2022. Therefore, this criterion is not applicable to the CCR unit at this time.

2.4 40 CFR § 257.90(f)

The owner or operator of the CCR unit must comply with the recordkeeping requirements specified in § 257.105(h), the notification requirements specified in § 257.106(h), and the internet requirements specified in § 257.107(h).

In order to comply with the Rule recordkeeping requirements, the following actions must be completed:

- Pursuant to § 257.105(h)(1), this Annual Report must be placed in the facility's operating record.
- Pursuant to § 257.106(h)(1), notification must be sent to the relevant State Director and/or Tribal authority within 30 days of this Annual Report being placed on the facility's operating record [§ 257.106(d)].
- Pursuant to § 257.107(h)(1), this Annual Report must be posted to the AECI CCR website within 30 days of this Annual Report being placed on the facility's operating record [§ 257.107(d)].

TABLE

SUMMARY OF ANALYTICAL RESULTS - 2022 DETECTION MONITORING

ASSOCIATED ELECTRIC COOPERATIVE, INC.

NEW MADRID POWER PLANT - UTILITY WASTE LANDFILL

MARSTON, MISSOURI

Location	Upgradient									Downgradient				
	B-123			B-126			MW-16			B-2			B-5R	
Measure Point (TOC)	292.7			293.63			292.85			291.91			288.69	
Sample Name	B-123	B-123	B-123	B-126	B-126	B-126	MW-16	MW-16	MW-16	B-2	UWL-DUP-02-2022	B-2	B-5R	B-5R
Sample Date	1/31/2022	8/8/2022	10/13/2022	1/31/2022	8/8/2022	10/13/2022	2/1/2022	8/8/2022	10/13/2022	2/8/2022	2/8/2022	8/9/2022	2/8/2022	8/9/2022
Final Lab Report Date	3/18/2022	N/A	11/9/2022	3/18/2022	N/A	11/9/2022	3/18/2022	N/A	11/9/2022	2/24/2022	2/24/2022	11/9/2022	2/24/2022	11/9/2022
Final Lab Report Revision Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lab Data Reviewed and Accepted	6/15/2022	N/A	12/20/2022	6/15/2022	N/A	12/20/2022	6/15/2022	N/A	12/20/2022	6/15/2022	6/15/2022	12/20/2022	6/15/2022	12/20/2022
Depth to Water (ft btoc)	19.37	19.86	21.20	21.75	20.06	21.45	23.40	24.46	30.06	20.20	-	18.10	19.39	17.90
Temperature (Deg C)	16.36	17.00	15.90	16.83	19.05	17.41	17.14	18.43	16.65	16.05	-	17.70	16.67	18.05
Conductivity, Field (µS/cm)	667	694	636	1470	927	1350	988	1020	785	529	-	602	244	283
pH (field) (su)	8.67	8.11	7.69	8.87	7.74	7.51	8.44	7.51	7.40	7.47	-	7.69	6.97	6.07
Turbidity, Field (NTU)	14.4	9.90	3.1	38.8	34.40	10.0	9.4	3.80	4.5	10.0	-	2.4	8.2	45.5
Boron, Total (mg/L)	0.072	-	0.023	0.082	-	0.047	0.120	-	0.050	0.053	0.053	0.037	0.024	0.016
Calcium, Total (mg/L)	78	-	75	180	-	190	140	-	110	80	80	80	20	22
Chloride (mg/L)	2.4	-	1.4	14	-	13	< 5.0	-	2.6	7.3	7.4	7.3	6.0	6.5
Fluoride (mg/L)	0.503	-	0.475	< 0.250	-	0.283	1.32	-	1.05	0.302	0.312	< 0.250	0.267	< 0.250
Sulfate (mg/L)	27	-	26	170	-	170	65	-	59	51	52	57	9.7	14
pH (lab) (su)	7.28	-	7.26	6.99	-	7.02	6.95	-	7.03	6.74	7.43	6.91	6.47	6.53
TDS (mg/L)	420	-	380	890	-	880	590	-	570	370	350	340	140	160

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

N/A = Not Applicable

NTU = Nephelometric Turbidity Unit

su = standard unit

TDS = total dissolved solids

TOC = top of casing

TABLE I
SUMMARY OF ANALYTICAL RESULTS - 2022 DETECTION MONITORING
ASSOCIATED ELECTRIC COOPERATIVE, INC.
NEW MADRID POWER PLANT - UTILITY WASTE LANDFILL
MARSTON, MISSOURI

Location	Downgradient												
	B-41		MW-1		MW-2		MW-3		MW-4		MW-5		
Measure Point (TOC)	294.58		298.08		297.69		297.18		297.95		296.63		
Sample Name	B-41	B-41	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-4	MW-4	MW-5	MW-5	DUP-UWL-080922
Sample Date	2/8/2022	8/9/2022	2/8/2022	8/9/2022	2/8/2022	8/10/2022	2/9/2022	8/9/2022	2/8/2022	8/9/2022	2/8/2022	8/9/2022	8/9/2022
Final Lab Report Date	2/24/2022	11/9/2022	2/24/2022	11/9/2022	2/24/2022	11/9/2022	2/24/2022	11/9/2022	2/24/2022	11/9/2022	2/24/2022	11/9/2022	11/9/2022
Final Lab Report Revision Date	N/A												
Lab Data Reviewed and Accepted	6/15/2022	12/20/2022	6/15/2022	12/20/2022	6/15/2022	12/20/2022	6/15/2022	12/20/2022	6/15/2022	12/20/2022	6/15/2022	12/20/2022	12/20/2022
Depth to Water (ft btoc)	22.20	20.69	26.59	24.28	26.25	24.58	24.30	23.08	25.40	23.78	24.89	22.83	22.83
Temperature (Deg C)	16.23	17.52	16.55	17.45	16.92	17.98	15.93	17.01	16.11	17.01	16.38	17.55	-
Conductivity, Field (µS/cm)	136	171	407	390	414	383	525	588	478	521	485	501	-
pH (field) (su)	6.40	6.05	6.86	6.19	8.44	6.39	7.92	6.56	9.91	6.90	7.96	6.66	-
Turbidity, Field (NTU)	9.7	0.10	9.8	6.2	17.4	14.2	9.9	0.0	10.6	1.6	5.0	0.0	-
Boron, Total (mg/L)	0.017	0.012	0.038	0.021	0.029	0.024	0.030	0.021	0.033	0.015	0.023	0.015	0.024
Calcium, Total (mg/L)	13	16	49	45	58	37	65	69	45	63	66	62	62
Chloride (mg/L)	1.7	1.7	11	9.4	4.4	8.5	3.8	5.4	8.4	5.0	9.1	9.9	10
Fluoride (mg/L)	<0.250	< 0.250	0.262	< 0.250	0.382	< 0.250	0.313	0.257	0.268	0.268	0.260	< 0.250	< 0.250
Sulfate (mg/L)	10	10	35	30	13	11	31	33	19	8.0	27	25	25
pH (lab) (su)	6.34	6.55	6.89	6.77	7.05	6.58	6.87	6.69	6.84	7.01	6.84	7.04	6.84
TDS (mg/L)	180	180	240	230	230	180	300	320	250	250	270	260	270

Notes:

Bold value: Detection above laboratory reporting limit.

µS/cm = micro Siemens per centimeter

Deg C = degrees Celsius

ft btoc = feet below top of casing

mg/L = milligrams per liter

N/A = Not Applicable

NTU = Nephelometric Turbidity Unit

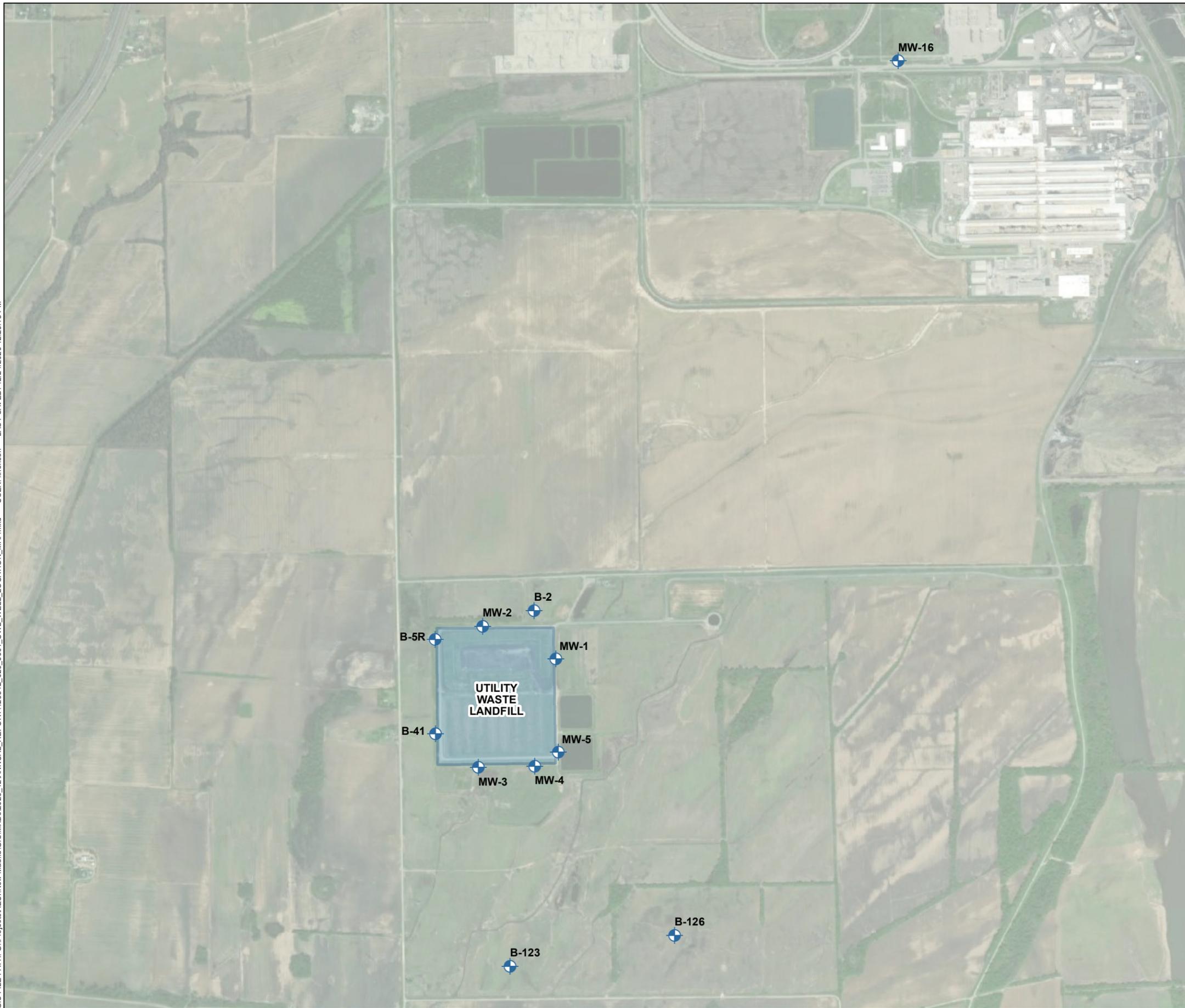
su = standard unit

TDS = total dissolved solids

TOC = top of casing

FIGURE

GIS FILE PATH: G:\Projects\AECI\New Madrid\GIS\MXDs\2020_12\ANNUAL_REPORT\129342_020_0001_UWL_WELL_LOCATION_MAP.mxd — USER: khensen — LAST SAVED: 12/24/2020 12:26:18 PM

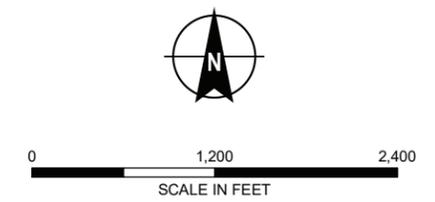


LEGEND

-  MONITORING WELL
-  UTILITY WASTE LANDFILL (UWL)

NOTES

1. ALL DIMENSIONS AND LOCATIONS ARE APPROXIMATE.
4. AERIAL IMAGERY SOURCE: ESRI, 21 APRIL 2019



HALEY ALDRICH ASSOCIATED ELECTRIC COOPERATIVE, INC.
NEW MADRID POWER PLANT
MARSTON, MISSOURI

**UTILITY WASTE LANDFILL
MONITORING WELL LOCATION MAP**



JANUARY 2023

FIGURE 1