Pelican Power, LLC
Big Cajun II Power Plant
Bottom Ash Basin and Fly Ash Basin
New Roads, LA

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Prepared By
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Baton Rouge, Louisiana

2024 ANNUAL GROUNDWATER MONITORING REPORT FOR THE COAL COMBUSTION RESIDUALS RULE

RAMBOLL

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EXECUTIVE SUMMARY

Pelican Power, LLC (Pelican) owns and operates the Big Cajun II Power Plant (BCII), located at 10431 Cajun II Road, New Roads, Louisiana. The facility generates non-hazardous materials, which are managed in a Fly Ash Basin and a Bottom Ash Basin. In compliance with the Louisiana Solid Waste Regulations outlined in the Louisiana Administrative Code (LAC) 33: VII, BCII holds Solid Waste Permit No. P-0108R1 for its Type I Industrial Solid Waste Surface Impoundments.

This report has been prepared in accordance with the United Stated Environmental Protection Agency's (USEPA) Coal Combustion Residuals (CCR) Rule Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.90, for the Ash Basins located at the BCII Power Plant.

In accordance with the Assessment Monitoring Program requirements specified in 40 C.F.R. § 257.95 the BCII facility monitors groundwater conditions near the bottom the of Fly Ash and Bottom Ash Basins. Assessment monitoring was initiated on September 26,2018.

As discussed in **Section 2.1** of this annual report, the monitoring system was updated in 2024 to replace a damaged well within the facilities monitoring system developed for compliance with Louisiana Administrative Code (LAC) 33: VII, and the facilities solid waste permit. Evaluation of the 2024 groundwater monitoring data at BCII indicate that no Appendix IV parameters are present at statistically significant levels (SSLs) above the parameters' GWPS.

Since no SSLs of 40 C.F.R. § 257 Appendix IV parameters over groundwater protection standards (GWPSs) were determined in 2024, a Corrective Measures Assessment (CMA) is not required. Statistically significant increases (SSIs) of Appendix III parameters above background values were determined as discussed in **Section 3.4**; therefore, the Ash Basins remain in the Assessment Monitoring Program.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Pelican, to provide the information required by 40 C.F.R. § 257.90(e) for the Fly Ash and Bottom Ash Basins located at the BCII Power Plants.

In accordance with 40 C.F.R. § 257.90(e), the owner or operator of a coal combustion residuals (CCR) unit must prepare an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year that documents the status of the Groundwater Monitoring and Corrective Action Program for the CCR unit (**Section 2**), summarizes key actions completed (**Sections 2.1 and 3.1**), describes any problems encountered and actions to resolve the problems (**Section 4**), and projects key activities for the upcoming year (**Section 4**). At a minimum, the annual report must contain the following information, to the extent available:

1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).

2. 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 (**Section 2.1**).

3. 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 downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs (**Section 3.1, Tables 2 and 3**).

4. 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 relative to background levels) (**Section 3.4**).

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

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

    a. 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.

b. 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.

c. If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):

    i. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

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

d. If it was determined that there was a statistically significant level above the groundwater protection standard [GWPS] for one or more constituents listed in Appendix IV of §257 pursuant to §257.95(g) include all of the following:

    i. Identify those constituents listed in Appendix IV of §257 and the names of the monitoring wells associated with such an increase.

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

    iii. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.

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

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

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

This report provides the required information for the BC II basins for calendar year 2023.

2. SITE INFORMATION

The following sections provide details of the facility's site-wide groundwater monitoring well network. Supporting attachments are included within the report.

2.1 Site Wide Groundwater Monitoring Network

BCII maintains a comprehensive groundwater assessment monitoring well network to evaluate groundwater quality near the facilities' existing surface impoundments. The

network consists of 20 monitoring wells, as shown in **Figure 1**. The monitoring wells are screened in the uppermost water-bearing zone, with construction details provided in **Table 1**.

Of note, in August 2024, the original compliance monitoring well MW-10B, which was installed in 2011, was decommissioned and replaced with a new monitoring well, designated MW-10BR1. The new well, MW-10BR1, was installed to a similar depth and near the original well location to ensure consistency in data collection and to continue monitoring groundwater conditions in the same area.

As part of this annual groundwater monitoring event, MW-10BR1 was sampled for the first time. The sampling results from MW-10BR1 are included in this report, and efforts were made to ensure that data continuity and comparability between the old well (MW-10B) and the new well (MW-10BR1) were maintained. Moving forward, MW-10BR1 will serve as the primary monitoring well for this location, and all future groundwater monitoring activities will reference this well.

3. SAMPLING ACTIVITIES

3.1 Purging and Sampling

Prior to purging, static water levels were measured in each well beginning on September 9, 2024. The measurements were obtained using an electronic probe and recorded in a field logbook to an accuracy of 0.01 foot. These depth to water levels were subsequently converted to elevations, which are listed on **Table 1**. These elevations from September 2024, were plotted for groundwater contouring purposes. The resulting potentiometric contour maps from September and February 2024 are provided as **Figure 2A and 2B**.

Once the water levels were recorded, each well was purged and sampled using the low-stress purging method (Low-Flow), beginning on September 9, 2024[1]. This was accomplished by setting the sampling pump to a flow rate that limits drawdown inside the well casing, thereby minimizing stress on the geological formation and minimizing disturbance of sediment that may have collected in the well. During purging, field parameters, including pH, specific conductivity, temperature, oxidation-reduction potential (ORD), dissolved oxygen (DO), and turbidity, were monitored in a flow-through cell and recorded along with purge volumes.

Immediately following purging, the flow cell was disconnected, and the groundwater was sampled directly from the pump discharge using dedicated tubing and placed in laboratory provided containers. The containers were labelled with the date, time of sampling, sampler initials, and sample location name, and placed in a cooled container for transport to Pace Analytical Services along with a completed-chain-of-custody form.

[1] One sample was collected from each background and compliance well for the assessment monitoring program.

Of note, during the preliminary sampling activities, the facility experienced the effects of Hurricane Francine, which halted sampling activities. Site crews resumed the sampling activities the following week on September 16, 2024.

3.2 Potentiometric Mapping

Groundwater flow direction interpretations are depicted on the potentiometric map for the facility, shown in **Figures 2A and 2B**. The groundwater flow direction calculated from data collected during the fall 2024 sampling event (**Figure 2B**) indicates a general westward flow in the uppermost water-bearing zone away from the Mississippi River that becomes more southerly along the western and southern boundaries of the basins. This flow pattern is consistent with historical observations.

The groundwater flow rate was calculated using the following equation:

$$v = \frac{k(I)}{n_e}$$

where v is groundwater flow velocity in ft/day, k is hydraulic conductivity in ft/day, I is the hydraulic gradient in ft/ft, and n_e is effective porosity (no units). A hydraulic conductivity (k) value between 10 and 100 ft/day was estimated (Heath, 1989) based on the silty sand and fine- to coarse-grained sand identified in the soil cuttings from borings conducted at the site. An effective porosity (n_e) of 0.2 was assumed based on the soil types of the uppermost water bearing zone (Fetter, 2001).

The hydraulic gradient of the site was determined using the average gradient calculated across the ash basins using wells MW-10CR1 and MW-10F. The hydraulic gradient was calculated utilizing the groundwater elevations (in ft. NGVD) at each of the well: MW-10CR1 (20.50 ft) and MW-10H (19.18 ft), and using the below equation:

$$I = \frac{(h_1 - h_2)}{D}$$

Where I is the hydraulic gradient, h_1 is the head (elevation) of the upgradient well, h_2 is the head (elevation) of the downgradient well, and D is the distance between the two wells. According to the site map, the distance between wells MW-10CR1 and MW-10F is approximately 2,443 ft. Therefore, approximate hydraulic gradient is 0.00054 ft/ft.

Using these values, the approximate groundwater flow rates (v) range from 0.027 ft/day to 2.7 ft/day[2]. This is consistent with the range of values provided in previous annual reports which range from 0.02 ft/day to 3.0 ft/day.

[2] This groundwater flow rate was determined using two of the twenty wells within the assessment monitoring network and represents an approximation representative of the whole site. Additionally, the advective rate does not consider potential hydrogeological variations such as adsorption, biodegradation, dispersion, or other factors that may impede groundwater flow in this zone. Furthermore, fluctuations in the advective flow may arise from lateral geological heterogeneities.

3.3 Laboratory Results Quality Control

The groundwater samples collected at BCII were analyzed for target CCR groundwater monitoring parameters using EPA Method SW-846, EPA Standard Methods or equivalent methods. The list of analytes is as follows:

- Sulfate
- Chloride
- Total Dissolved Solids (TDS)
- Boron
- Lithium
- Molybdenum
- Arsenic
- Barium
- Calcium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Nickel
- Selenium
- Zinc
- Vanadium
- Fluoride
- Radium 226 and 228
- pH

3.4 Analytical Data Evaluation

Analytical results are presented on **Tables 2 and 3**. Statistical evaluations of groundwater data have been performed per applicable portions of 40 C.F.R. §257.93(f).

Assessment Monitoring was initiated because of confirmed statistically significant increases (SSIs) of Appendix III parameters. Appendix III parameter results and 2024 SSIs are presented in **Table 2**. Statistical background values for Appendix III parameters are provided in **Table 4**.

In Assessment Monitoring, Appendix IV parameters are compared to Groundwater Protection Standards (GWPS) using confidence intervals. The GWPS are either the maximum contaminant level/health-based level (MCL/HBL) or a statistical tolerance limit based on background, whichever is higher [40 C.F.R. § 257.95(h)]. The GWPSs are presented in **Table 5**. For this monitoring period the following parameters have GWPS based on background which uses all available data from 2016 through 2023: arsenic [0.120 milligrams per liter (mg/L)], beryllium (0.00410 mg/L), and chromium (0.181 mg/L).

On an annual basis (first semi-annual event), all Appendix IV parameters are sampled [40 C.F.R. § 257.95(b)], and the detected parameters are added to the list of parameters sampled in the second semi-annual event [40 C.F.R. § 257.95(d)].

Confidence intervals have been calculated to evaluate data for all Appendix IV parameters at downgradient/compliance wells. All available data from 2016 to 2024 was used in confidence limit calculation. In assessment monitoring, a well is determined to be out of compliance when the lower confidence limit (LCL), or the entire interval, exceeds the GWPS. Evaluation of the 2024 groundwater monitoring data at BC2 indicate that no Appendix IV parameters are present at statistically significant levels (SSLs) above the parameters' GWPS (**Table 6**).

4. CONCLUSION

The evaluation of the 2024 groundwater monitoring data at BC2 indicate that no Appendix IV parameters are present at statistically significant levels (SSLs) above the parameters' GWPS, therefore the Ash Basins Remain in the Assessment Monitoring Program. Furthermore, no problems were experienced during the 2024 annual assessment groundwater sampling and monitoring. The next semiannual sampling events are scheduled to take place in the first and second half of 2025.

FIGURES

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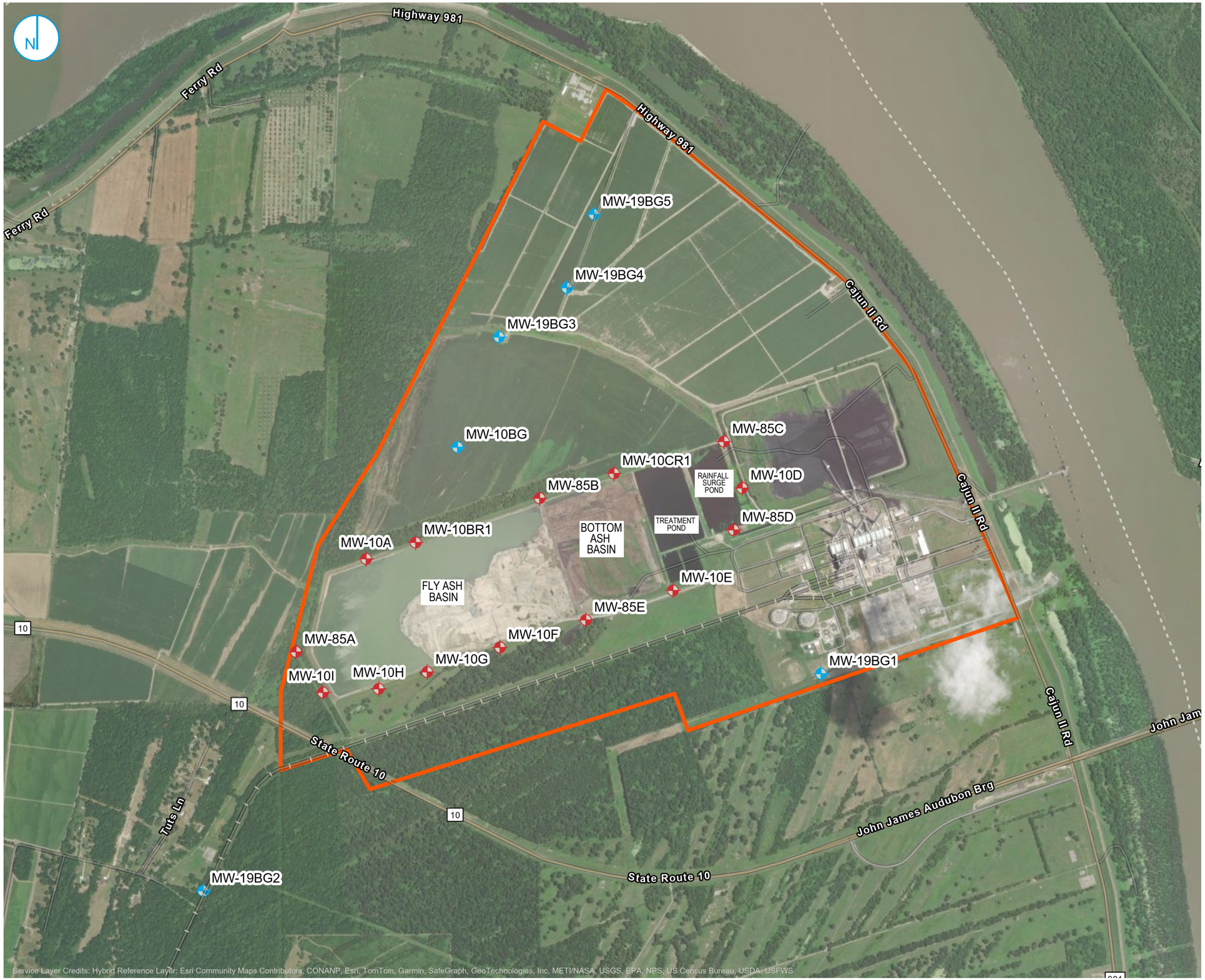

Legend

- Background Monitoring Well
- Compliance Monitoring Well
- Approximate Property Boundary

Note

Monitoring well MW-10BR1 is the replacement well for MW-10B.

KEY MAP (not to scale)

0 750 1,500 Feet

SITE LAYOUT AND MONITORING WELL LOCATION MAP

Big Cajun II Power Plant
Pointe Coupee Parish, LA

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
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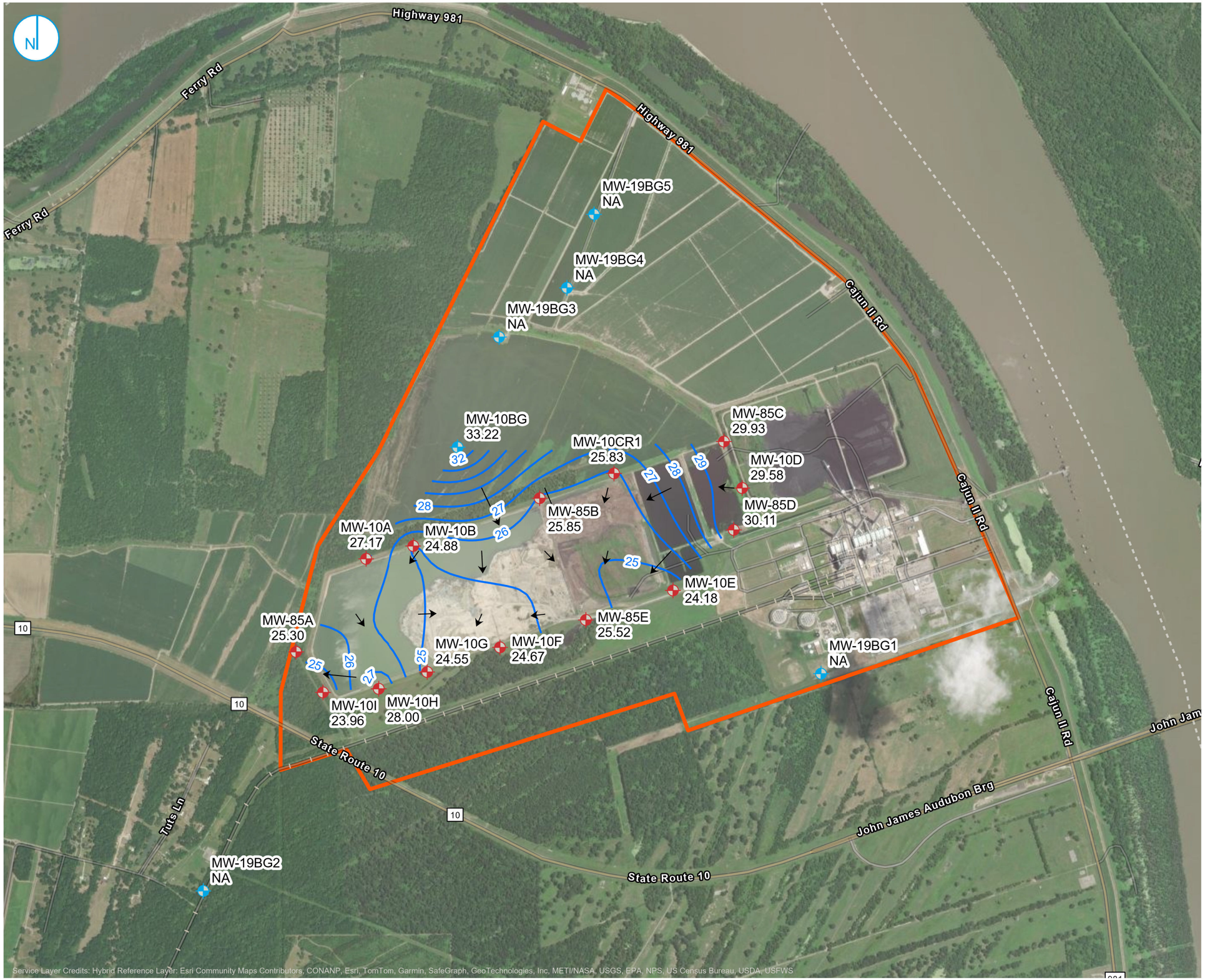

Legend

- Background Monitoring Well
- Compliance Monitoring Well
- Groundwater Elevation Contour (ft)
- Groundwater Flow Direction
- Approximate Property Boundary

0 750 1,500 Feet

POTENTIOMETIC CONTOUR MAP
FEBRUARY 2024

Big Cajun II Power Plant
Pointe Coupee Parish, LA

FIGURE 2A

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
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PROJECT: 1940110307 | DATED: 1/14/2025 | DESIGNER: JWANG

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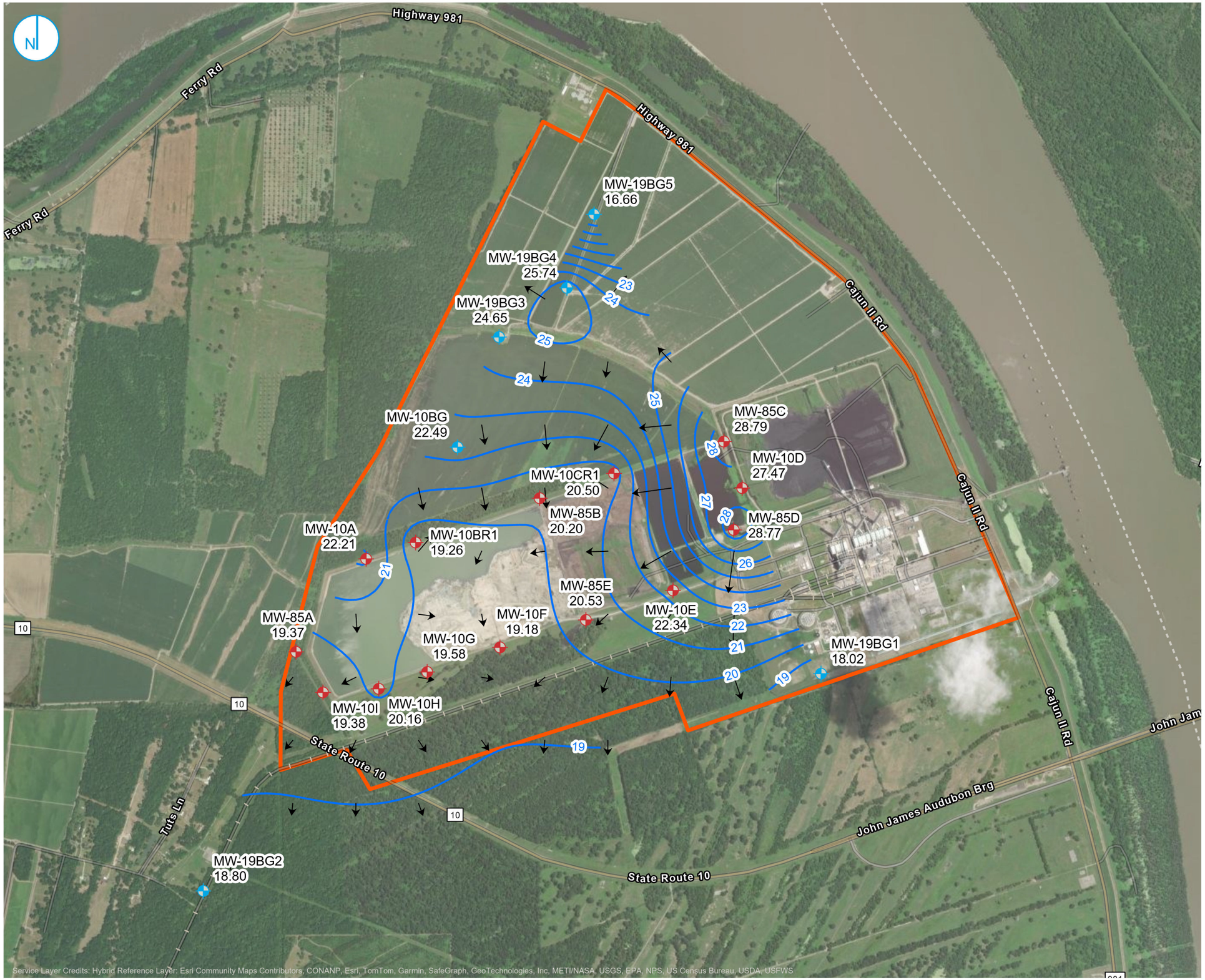

Legend

- Background Monitoring Well
- Compliance Monitoring Well
- Groundwater Elevation Contour (ft)
- Groundwater Flow Direction
- Approximate Property Boundary

0 750 1,500 Feet

POTENTIOMETIC CONTOUR MAP
SEPTEMBER 2024

Big Cajun II Power Plant
Pointe Coupee Parish, LA

FIGURE 2B

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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PROJECT: 1940110307 | DATED: 1/14/2025 | DESIGNER: JWANG

TABLES

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS AND STATIC WATER ELEVATIONS, SEPTEMBER 2024
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Latitude (DMS)	Longitude (DMS)	Installation Date	Zone Monitored	Gradient	Top of Casing Elevation (ft. NGVD)	Ground Surface Elevation (ft. NGVD)	Top of Screen Elevation (ft. NGVD)	Bottom of Screen Elevation (ft. NGVD)	Well Depth (ft. bgs)	Well Diameter (in)	Sept. 2024 Depth to Water (ft.)	Sept. 2024 Potentiometric Surface Elevation (ft. NGVD)
MW-85A	30°43'44"	91°23'50"	Jun 1985	Uppermost	Down	34.82	33.17	-1.58	-21.58	55.75	2	15.45	19.37
MW-85B	30°43'47"	91°22'37"	Jun 1985	Uppermost	Down	32.25	30.60	21.55	1.15	30.45	2	12.05	20.20
MW-85C	30°43'57"	91°22'37"	Jun 1985	Uppermost	Down	35.05	33.46	15.61	-4.74	39.20	2	6.26	28.79
MW-85D	30°43'44"	91°22'25"	Jun 1985	Uppermost	Down	35.71	34.20	16.20	-3.80	39.00	2	6.94	28.77
MW-85E	30°43'30"	91°23'01"	Jun 1985	Uppermost	Down	33.52	32.07	22.97	2.67	30.40	2	12.99	20.53
MW-10A	30°43'37"	91°23'40"	Jun 2011	Uppermost	Down	32.97	29.89	10.57	0.57	29.57	2	10.76	22.21
MW-10BR1 (formerly MW-10B)	30°43'39"	91°23'30"	Aug 2024	Uppermost	Down	31.42	27.76	12.00	2.00	29.42	2	12.16	19.26
MW-10CR1	30°43'50"	91°22'55"	Oct 2016	Uppermost	Down	35.48	32.43	12.95	2.95	29.73	2	14.98	20.50
MW-10D	30°43'48"	91°22'32"	Jun 2011	Uppermost	Down	33.18	30.22	9.83	-0.17	30.64	2	5.71	27.47
MW-10E	30°43'23"	91°23'15"	May 2011	Uppermost	Down	33.54	30.42	9.94	-0.06	30.74	2	11.20	22.34
MW-10F	30°43'32"	91°22'44"	May 2011	Uppermost	Down	31.27	28.97	2.92	-7.08	36.30	2	12.09	19.18
MW-10G	30°43'19"	91°23'28"	Jun 2011	Uppermost	Down	32.17	29.30	0.42	-9.58	39.13	2	12.59	19.58
MW-10H	30°43'17"	91°23'37"	Jun 2011	Uppermost	Down	32.01	29.21	-9.74	-19.74	49.20	2	11.85	20.16
MW-10I	30°43'15"	91°23'48"	Jun 2011	Uppermost	Down	33.12	30.06	0.31	-9.69	40.00	2	13.74	19.38
MW-10BG	30°43'55"	91°23'23"	Jun 2011	Uppermost	Up	33.74	30.79	10.39	0.39	30.65	2	11.25	22.49
MW-19BG1	30°43'19"	91°22'17"	Sep 2019	Uppermost	Up	38.15	34.54	7.04	-2.96	42.54	2	20.13	18.02
MW-19BG2	30°42'45"	91°24'09"	Sep 2019	Uppermost	Up	31.99	28.88	0.18	-9.82	39.24	2	13.19	18.80
MW-19BG3	30°44'12"	91°23'15"	Sep 2019	Uppermost	Up	34.57	31.65	2.95	-7.05	39.21	2	9.92	24.65
MW-19BG4	30°44'20"	91°23'03"	Sep 2019	Uppermost	Up	33.62	30.61	10.91	0.91	30.23	2	7.88	25.74
MW-19BG5	30°44'31"	91°22'58"	Sep 2019	Uppermost	Up	37.60	34.23	5.05	-4.95	39.68	2	20.94	16.66

Notes:
DMS = Degrees Minutes Seconds
NGVD = National Geodetic Vertical Datum BGS = Below Ground Surface

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-10BG	Background	02/21/2024	A7	Boron, total	mg/L	0.1 U	--	--	--
MW-10BG	Background	09/09/2024	A7D	Boron, total	mg/L	0.0644	--	--	--
MW-10BG	Background	02/21/2024	A7	Calcium, total	mg/L	73.4	--	--	--
MW-10BG	Background	09/09/2024	A7D	Calcium, total	mg/L	68.2	--	--	--
MW-10BG	Background	02/21/2024	A7	Chloride, total	mg/L	5.24	--	--	--
MW-10BG	Background	09/09/2024	A7D	Chloride, total	mg/L	5.89	--	--	--
MW-10BG	Background	02/21/2024	A7	Fluoride, total	mg/L	0.4 U	--	--	--
MW-10BG	Background	09/09/2024	A7D	Fluoride, total	mg/L	0.324 J	--	--	--
MW-10BG	Background	02/21/2024	A7	pH (field)	S.U.	7.0	--	--	--
MW-10BG	Background	09/09/2024	A7D	pH (field)	S.U.	6.8	--	--	--
MW-10BG	Background	02/21/2024	A7	Sulfate, total	mg/L	1.30	--	--	--
MW-10BG	Background	09/09/2024	A7D	Sulfate, total	mg/L	1.20	--	--	--
MW-10BG	Background	02/21/2024	A7	Total Dissolved Solids	mg/L	338	--	--	--
MW-10BG	Background	09/09/2024	A7D	Total Dissolved Solids	mg/L	375	--	--	--
MW-19BG1	Background	02/15/2024	A7	Boron, total	mg/L	0.1 U	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Boron, total	mg/L	0.0610	--	--	--
MW-19BG1	Background	02/15/2024	A7	Calcium, total	mg/L	90.3	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Calcium, total	mg/L	88.8	--	--	--
MW-19BG1	Background	02/15/2024	A7	Chloride, total	mg/L	21.6	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Chloride, total	mg/L	23.0	--	--	--
MW-19BG1	Background	02/15/2024	A7	Fluoride, total	mg/L	0.4 U	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Fluoride, total	mg/L	0.314 J	--	--	--
MW-19BG1	Background	02/15/2024	A7	pH (field)	S.U.	7.1	--	--	--
MW-19BG1	Background	09/17/2024	A7D	pH (field)	S.U.	6.4	--	--	--
MW-19BG1	Background	02/15/2024	A7	Sulfate, total	mg/L	7.79	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Sulfate, total	mg/L	2.06	--	--	--
MW-19BG1	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	410	--	--	--
MW-19BG1	Background	09/17/2024	A7D	Total Dissolved Solids	mg/L	330	--	--	--
MW-19BG2	Background	02/15/2024	A7	Boron, total	mg/L	0.1 U	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Boron, total	mg/L	0.0735	--	--	--
MW-19BG2	Background	02/15/2024	A7	Calcium, total	mg/L	105	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Calcium, total	mg/L	107	--	--	--
MW-19BG2	Background	02/15/2024	A7	Chloride, total	mg/L	8.45	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Chloride, total	mg/L	10.2	--	--	--
MW-19BG2	Background	02/15/2024	A7	Fluoride, total	mg/L	0.420	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Fluoride, total	mg/L	0.287 J	--	--	--
MW-19BG2	Background	02/15/2024	A7	pH (field)	S.U.	7.4	--	--	--
MW-19BG2	Background	09/16/2024	A7D	pH (field)	S.U.	6.8	--	--	--
MW-19BG2	Background	02/15/2024	A7	Sulfate, total	mg/L	2.47	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Sulfate, total	mg/L	0.211 U	--	--	--
MW-19BG2	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	470	--	--	--
MW-19BG2	Background	09/16/2024	A7D	Total Dissolved Solids	mg/L	425	--	--	--
MW-19BG3	Background	02/15/2024	A7	Boron, total	mg/L	0.158	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Boron, total	mg/L	0.118	--	--	--
MW-19BG3	Background	02/15/2024	A7	Calcium, total	mg/L	71.3	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Calcium, total	mg/L	57.7	--	--	--

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-19BG3	Background	02/15/2024	A7	Chloride, total	mg/L	6.10	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Chloride, total	mg/L	8.34	--	--	--
MW-19BG3	Background	02/15/2024	A7	Fluoride, total	mg/L	0.4 U	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Fluoride, total	mg/L	0.369 J	--	--	--
MW-19BG3	Background	02/15/2024	A7	pH (field)	S.U.	7.5	--	--	--
MW-19BG3	Background	09/10/2024	A7D	pH (field)	S.U.	7.3	--	--	--
MW-19BG3	Background	02/15/2024	A7	Sulfate, total	mg/L	16.2	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Sulfate, total	mg/L	13.3	--	--	--
MW-19BG3	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	342	--	--	--
MW-19BG3	Background	09/10/2024	A7D	Total Dissolved Solids	mg/L	330	--	--	--
MW-19BG4	Background	02/15/2024	A7	Boron, total	mg/L	0.173	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Boron, total	mg/L	0.145	--	--	--
MW-19BG4	Background	02/15/2024	A7	Calcium, total	mg/L	94.3	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Calcium, total	mg/L	96.3	--	--	--
MW-19BG4	Background	02/15/2024	A7	Chloride, total	mg/L	7.86	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Chloride, total	mg/L	9.93	--	--	--
MW-19BG4	Background	02/15/2024	A7	Fluoride, total	mg/L	0.4 U	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Fluoride, total	mg/L	0.179 J	--	--	--
MW-19BG4	Background	02/15/2024	A7	pH (field)	S.U.	7.4	--	--	--
MW-19BG4	Background	09/16/2024	A7D	pH (field)	S.U.	6.7	--	--	--
MW-19BG4	Background	02/15/2024	A7	Sulfate, total	mg/L	1.48	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Sulfate, total	mg/L	0.26 J	--	--	--
MW-19BG4	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	422	--	--	--
MW-19BG4	Background	09/16/2024	A7D	Total Dissolved Solids	mg/L	440	--	--	--
MW-19BG5	Background	02/15/2024	A7	Boron, total	mg/L	0.1 U	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Boron, total	mg/L	0.0614	--	--	--
MW-19BG5	Background	02/15/2024	A7	Calcium, total	mg/L	92.1	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Calcium, total	mg/L	93.4	--	--	--
MW-19BG5	Background	02/15/2024	A7	Chloride, total	mg/L	4.77	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Chloride, total	mg/L	4.62	--	--	--
MW-19BG5	Background	02/15/2024	A7	Fluoride, total	mg/L	0.4 U	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Fluoride, total	mg/L	0.22 J	--	--	--
MW-19BG5	Background	02/15/2024	A7	pH (field)	S.U.	7.4	--	--	--
MW-19BG5	Background	09/16/2024	A7D	pH (field)	S.U.	6.8	--	--	--
MW-19BG5	Background	02/15/2024	A7	Sulfate, total	mg/L	2.76	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Sulfate, total	mg/L	0.512 J	--	--	--
MW-19BG5	Background	02/15/2024	A7	Total Dissolved Solids	mg/L	378	--	--	--
MW-19BG5	Background	09/16/2024	A7D	Total Dissolved Solids	mg/L	360	--	--	--
MW-10A	Compliance	02/20/2024	A7	Boron, total	mg/L	0.818	0.818	0.332	Reported
MW-10A	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.695	0.695	0.332	Reported
MW-10A	Compliance	02/20/2024	A7	Calcium, total	mg/L	127	127	126	Reported
MW-10A	Compliance	09/17/2024	A7D	Calcium, total	mg/L	113	113	126	No Exceedance
MW-10A	Compliance	02/20/2024	A7	Chloride, total	mg/L	49.2	49.2	19.9	Reported
MW-10A	Compliance	09/17/2024	A7D	Chloride, total	mg/L	44.9	44.9	19.9	Reported
MW-10A	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.416	0.416	0.605	No Exceedance
MW-10A	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.49 J	0.5	0.605	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-10A	Compliance	02/20/2024	A7	pH (field)	S.U.	7.1	7.1	6.4/8.1	No Exceedance
MW-10A	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.6	6.6	6.4/8.1	No Exceedance
MW-10A	Compliance	02/20/2024	A7	Sulfate, total	mg/L	292	292	38.3	Reported
MW-10A	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	289	289	38.3	Reported
MW-10A	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	800	800	646	Reported
MW-10A	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	785	785	646	Reported
MW-10B	Compliance	02/20/2024	A7	Boron, total	mg/L	0.628	0.628	0.332	Reported
MW-10B	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.581	0.581	0.332	Reported
MW-10B	Compliance	02/20/2024	A7	Calcium, total	mg/L	88.1	88.1	126	No Exceedance
MW-10B	Compliance	09/17/2024	A7D	Calcium, total	mg/L	83.3	83.3	126	No Exceedance
MW-10B	Compliance	02/20/2024	A7	Chloride, total	mg/L	71.7	71.7	19.9	Reported
MW-10B	Compliance	09/17/2024	A7D	Chloride, total	mg/L	78.4	78.4	19.9	Reported
MW-10B	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10B	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.228 J	0.5	0.605	No Exceedance
MW-10B	Compliance	02/20/2024	A7	pH (field)	S.U.	6.5	6.5	6.4/8.1	No Exceedance
MW-10B	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.3	6.3	6.4/8.1	Reported
MW-10B	Compliance	02/20/2024	A7	Sulfate, total	mg/L	191	191	38.3	Reported
MW-10B	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	187	187	38.3	Reported
MW-10B	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	660	660	646	Reported
MW-10B	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	600	600	646	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	Boron, total	mg/L	0.242	0.242	0.332	No Exceedance
MW-10CR1	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.147	0.147	0.332	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	Calcium, total	mg/L	87.3	87.3	126	No Exceedance
MW-10CR1	Compliance	09/17/2024	A7D	Calcium, total	mg/L	48.2	48.2	126	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	Chloride, total	mg/L	42.8	42.8	19.9	Reported
MW-10CR1	Compliance	09/17/2024	A7D	Chloride, total	mg/L	8.34	8.34	19.9	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10CR1	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.44 J	0.5	0.605	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	pH (field)	S.U.	7.4	7.4	6.4/8.1	No Exceedance
MW-10CR1	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.8	6.8	6.4/8.1	No Exceedance
MW-10CR1	Compliance	02/20/2024	A7	Sulfate, total	mg/L	135	135	38.3	Reported
MW-10CR1	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	46.6	46.6	38.3	Reported
MW-10CR1	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	504	504	646	No Exceedance
MW-10CR1	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	260	260	646	No Exceedance
MW-10D	Compliance	02/20/2024	A7	Boron, total	mg/L	0.390	0.390	0.332	Reported
MW-10D	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.400	0.400	0.332	Reported
MW-10D	Compliance	02/20/2024	A7	Calcium, total	mg/L	125	125	126	No Exceedance
MW-10D	Compliance	09/17/2024	A7D	Calcium, total	mg/L	124	124	126	No Exceedance
MW-10D	Compliance	02/20/2024	A7	Chloride, total	mg/L	45.8	45.8	19.9	Reported
MW-10D	Compliance	09/17/2024	A7D	Chloride, total	mg/L	32.9	32.9	19.9	Reported
MW-10D	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10D	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.271 J	0.5	0.605	No Exceedance
MW-10D	Compliance	02/20/2024	A7	pH (field)	S.U.	7.4	7.4	6.4/8.1	No Exceedance
MW-10D	Compliance	09/17/2024	A7D	pH (field)	S.U.	7.1	7.1	6.4/8.1	No Exceedance
MW-10D	Compliance	02/20/2024	A7	Sulfate, total	mg/L	280	280	38.3	Reported
MW-10D	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	240	240	38.3	Reported

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-10D	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	772	772	646	Reported
MW-10D	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	790	790	646	Reported
MW-10E	Compliance	02/19/2024	A7	Boron, total	mg/L	0.407	0.407	0.332	Reported
MW-10E	Compliance	09/16/2024	A7D	Boron, total	mg/L	0.243	0.243	0.332	No Exceedance
MW-10E	Compliance	02/19/2024	A7	Calcium, total	mg/L	145	145	126	Reported
MW-10E	Compliance	09/16/2024	A7D	Calcium, total	mg/L	124	124	126	No Exceedance
MW-10E	Compliance	02/19/2024	A7	Chloride, total	mg/L	43.6	43.6	19.9	Reported
MW-10E	Compliance	09/16/2024	A7D	Chloride, total	mg/L	37.5	37.5	19.9	Reported
MW-10E	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10E	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.272 J	0.5	0.605	No Exceedance
MW-10E	Compliance	02/19/2024	A7	pH (field)	S.U.	7.1	7.1	6.4/8.1	No Exceedance
MW-10E	Compliance	09/16/2024	A7D	pH (field)	S.U.	6.6	6.6	6.4/8.1	No Exceedance
MW-10E	Compliance	02/19/2024	A7	Sulfate, total	mg/L	172	172	38.3	Reported
MW-10E	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	137	137	38.3	Reported
MW-10E	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	748	748	646	Reported
MW-10E	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	710	710	646	Reported
MW-10F	Compliance	02/19/2024	A7	Boron, total	mg/L	4.00	4.00	0.332	Reported
MW-10F	Compliance	09/16/2024	A7D	Boron, total	mg/L	4.69	4.69	0.332	Reported
MW-10F	Compliance	02/19/2024	A7	Calcium, total	mg/L	216	216	126	Reported
MW-10F	Compliance	09/16/2024	A7D	Calcium, total	mg/L	300	300	126	Reported
MW-10F	Compliance	02/19/2024	A7	Chloride, total	mg/L	40.7	40.7	19.9	Reported
MW-10F	Compliance	09/16/2024	A7D	Chloride, total	mg/L	43.3	43.3	19.9	Reported
MW-10F	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10F	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.176 J	0.5	0.605	No Exceedance
MW-10F	Compliance	02/19/2024	A7	pH (field)	S.U.	7.0	7.0	6.4/8.1	No Exceedance
MW-10F	Compliance	09/16/2024	A7D	pH (field)	S.U.	6.5	6.5	6.4/8.1	No Exceedance
MW-10F	Compliance	02/19/2024	A7	Sulfate, total	mg/L	734	734	38.3	Reported
MW-10F	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	1,160	1,160	38.3	Reported
MW-10F	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	1,560	1,560	646	Reported
MW-10F	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	2,050	2,050	646	Reported
MW-10G	Compliance	02/19/2024	A7	Boron, total	mg/L	0.929	0.929	0.332	Reported
MW-10G	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.817	0.817	0.332	Reported
MW-10G	Compliance	02/19/2024	A7	Calcium, total	mg/L	121	121	126	No Exceedance
MW-10G	Compliance	09/17/2024	A7D	Calcium, total	mg/L	116	116	126	No Exceedance
MW-10G	Compliance	02/19/2024	A7	Chloride, total	mg/L	92.7	92.7	19.9	Reported
MW-10G	Compliance	09/17/2024	A7D	Chloride, total	mg/L	100	100	19.9	Reported
MW-10G	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10G	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.327 J	0.5	0.605	No Exceedance
MW-10G	Compliance	02/19/2024	A7	pH (field)	S.U.	7.3	7.3	6.4/8.1	No Exceedance
MW-10G	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.4	6.4	6.4/8.1	No Exceedance
MW-10G	Compliance	02/19/2024	A7	Sulfate, total	mg/L	225	225	38.3	Reported
MW-10G	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	244	244	38.3	Reported
MW-10G	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	780	780	646	Reported
MW-10G	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	850	850	646	Reported
MW-10H	Compliance	02/19/2024	A7	Boron, total	mg/L	0.147	0.147	0.332	No Exceedance
MW-10H	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.110	0.110	0.332	No Exceedance

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-10H	Compliance	02/19/2024	A7	Calcium, total	mg/L	151	151	126	Reported
MW-10H	Compliance	09/17/2024	A7D	Calcium, total	mg/L	141	141	126	Reported
MW-10H	Compliance	02/19/2024	A7	Chloride, total	mg/L	64.4	64.4	19.9	Reported
MW-10H	Compliance	09/17/2024	A7D	Chloride, total	mg/L	123	123	19.9	Reported
MW-10H	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10H	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.348 J	0.5	0.605	No Exceedance
MW-10H	Compliance	02/19/2024	A7	pH (field)	S.U.	7.2	7.2	6.4/8.1	No Exceedance
MW-10H	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.5	6.5	6.4/8.1	No Exceedance
MW-10H	Compliance	02/19/2024	A7	Sulfate, total	mg/L	30.6	30.6	38.3	No Exceedance
MW-10H	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	42.2	42.2	38.3	Reported
MW-10H	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	664	664	646	Reported
MW-10H	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	590	590	646	No Exceedance
MW-10I	Compliance	02/19/2024	A7	Boron, total	mg/L	0.326	0.326	0.332	No Exceedance
MW-10I	Compliance	09/16/2024	A7D	Boron, total	mg/L	0.259	0.259	0.332	No Exceedance
MW-10I	Compliance	02/19/2024	A7	Calcium, total	mg/L	123	123	126	No Exceedance
MW-10I	Compliance	09/16/2024	A7D	Calcium, total	mg/L	123	123	126	No Exceedance
MW-10I	Compliance	02/19/2024	A7	Chloride, total	mg/L	76.5	76.5	19.9	Reported
MW-10I	Compliance	09/16/2024	A7D	Chloride, total	mg/L	65.2	65.2	19.9	Reported
MW-10I	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-10I	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.238 J	0.5	0.605	No Exceedance
MW-10I	Compliance	02/19/2024	A7	pH (field)	S.U.	7.0	7.0	6.4/8.1	No Exceedance
MW-10I	Compliance	09/16/2024	A7D	pH (field)	S.U.	6.6	6.6	6.4/8.1	No Exceedance
MW-10I	Compliance	02/19/2024	A7	Sulfate, total	mg/L	191	191	38.3	Reported
MW-10I	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	139	139	38.3	Reported
MW-10I	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	590	590	646	No Exceedance
MW-10I	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	695	695	646	Reported
MW-85A	Compliance	02/19/2024	A7	Boron, total	mg/L	0.138	0.138	0.332	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	Boron, total	mg/L	0.0784	0.0784	0.332	No Exceedance
MW-85A	Compliance	02/19/2024	A7	Calcium, total	mg/L	67.9	67.9	126	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	Calcium, total	mg/L	70.3	70.3	126	No Exceedance
MW-85A	Compliance	02/19/2024	A7	Chloride, total	mg/L	20.5	20.5	19.9	Reported
MW-85A	Compliance	09/16/2024	A7D	Chloride, total	mg/L	20.8	20.8	19.9	Reported
MW-85A	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.469 J	0.5	0.605	No Exceedance
MW-85A	Compliance	02/19/2024	A7	pH (field)	S.U.	6.8	6.8	6.4/8.1	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	pH (field)	S.U.	6.6	6.6	6.4/8.1	No Exceedance
MW-85A	Compliance	02/19/2024	A7	Sulfate, total	mg/L	1 U	1	38.3	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	0.783	0.783	38.3	No Exceedance
MW-85A	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	348	348	646	No Exceedance
MW-85A	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	265	265	646	No Exceedance
MW-85B	Compliance	02/20/2024	A7	Boron, total	mg/L	0.1 U	0.1	0.332	No Exceedance
MW-85B	Compliance	09/17/2024	A7D	Boron, total	mg/L	0.0691	0.0691	0.332	No Exceedance
MW-85B	Compliance	02/20/2024	A7	Calcium, total	mg/L	108	108	126	No Exceedance
MW-85B	Compliance	09/17/2024	A7D	Calcium, total	mg/L	84.3	84.3	126	No Exceedance
MW-85B	Compliance	02/20/2024	A7	Chloride, total	mg/L	63.1	63.1	19.9	Reported
MW-85B	Compliance	09/17/2024	A7D	Chloride, total	mg/L	30.1	30.1	19.9	Reported

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-85B	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-85B	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.26 J	0.5	0.605	No Exceedance
MW-85B	Compliance	02/20/2024	A7	pH (field)	S.U.	7.1	7.1	6.4/8.1	No Exceedance
MW-85B	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.4	6.4	6.4/8.1	No Exceedance
MW-85B	Compliance	02/20/2024	A7	Sulfate, total	mg/L	233	233	38.3	Reported
MW-85B	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	95.2	95.2	38.3	Reported
MW-85B	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	654	654	646	Reported
MW-85B	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	490	490	646	No Exceedance
MW-85C	Compliance	02/20/2024	A7	Boron, total	mg/L	0.413	0.413	0.332	Reported
MW-85C	Compliance	09/16/2024	A7D	Boron, total	mg/L	0.309	0.309	0.332	No Exceedance
MW-85C	Compliance	02/20/2024	A7	Calcium, total	mg/L	89.4	89.4	126	No Exceedance
MW-85C	Compliance	09/16/2024	A7D	Calcium, total	mg/L	90.9	90.9	126	No Exceedance
MW-85C	Compliance	02/20/2024	A7	Chloride, total	mg/L	42.8	42.8	19.9	Reported
MW-85C	Compliance	09/16/2024	A7D	Chloride, total	mg/L	60.8	60.8	19.9	Reported
MW-85C	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-85C	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.363 J	0.5	0.605	No Exceedance
MW-85C	Compliance	02/20/2024	A7	pH (field)	S.U.	7.4	7.4	6.4/8.1	No Exceedance
MW-85C	Compliance	09/16/2024	A7D	pH (field)	S.U.	7.0	7.0	6.4/8.1	No Exceedance
MW-85C	Compliance	02/20/2024	A7	Sulfate, total	mg/L	226	226	38.3	Reported
MW-85C	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	240	240	38.3	Reported
MW-85C	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	608	608	646	No Exceedance
MW-85C	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	500	500	646	No Exceedance
MW-85D	Compliance	02/20/2024	A7	Boron, total	mg/L	0.405	0.405	0.332	Reported
MW-85D	Compliance	09/16/2024	A7D	Boron, total	mg/L	0.194	0.194	0.332	No Exceedance
MW-85D	Compliance	02/20/2024	A7	Calcium, total	mg/L	120	120	126	No Exceedance
MW-85D	Compliance	09/16/2024	A7D	Calcium, total	mg/L	126	126	126	No Exceedance
MW-85D	Compliance	02/20/2024	A7	Chloride, total	mg/L	49.2	49.2	19.9	Reported
MW-85D	Compliance	09/16/2024	A7D	Chloride, total	mg/L	57.5	57.5	19.9	Reported
MW-85D	Compliance	02/20/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-85D	Compliance	09/16/2024	A7D	Fluoride, total	mg/L	0.351 J	0.5	0.605	No Exceedance
MW-85D	Compliance	02/20/2024	A7	pH (field)	S.U.	7.3	7.3	6.4/8.1	No Exceedance
MW-85D	Compliance	09/16/2024	A7D	pH (field)	S.U.	6.8	6.8	6.4/8.1	No Exceedance
MW-85D	Compliance	02/20/2024	A7	Sulfate, total	mg/L	238	238	38.3	Reported
MW-85D	Compliance	09/16/2024	A7D	Sulfate, total	mg/L	237	237	38.3	Reported
MW-85D	Compliance	02/20/2024	A7	Total Dissolved Solids	mg/L	686	686	646	Reported
MW-85D	Compliance	09/16/2024	A7D	Total Dissolved Solids	mg/L	725	725	646	Reported
MW-85E	Compliance	02/19/2024	A7	Boron, total	mg/L	5.51	5.51	0.332	Reported
MW-85E	Compliance	09/17/2024	A7D	Boron, total	mg/L	4.33	4.33	0.332	Reported
MW-85E	Compliance	02/19/2024	A7	Calcium, total	mg/L	137	137	126	Reported
MW-85E	Compliance	09/17/2024	A7D	Calcium, total	mg/L	104	104	126	No Exceedance
MW-85E	Compliance	02/19/2024	A7	Chloride, total	mg/L	67.5	67.5	19.9	Reported
MW-85E	Compliance	09/17/2024	A7D	Chloride, total	mg/L	48.3	48.3	19.9	Reported
MW-85E	Compliance	02/19/2024	A7	Fluoride, total	mg/L	0.4 U	0.4	0.605	No Exceedance
MW-85E	Compliance	09/17/2024	A7D	Fluoride, total	mg/L	0.339 J	0.5	0.605	No Exceedance
MW-85E	Compliance	02/19/2024	A7	pH (field)	S.U.	6.8	6.8	6.4/8.1	No Exceedance
MW-85E	Compliance	09/17/2024	A7D	pH (field)	S.U.	6.1	6.1	6.4/8.1	Reported

TABLE 2
ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Parameter	Unit	Result	Comparison Value	Background	SSI Type
MW-85E	Compliance	02/19/2024	A7	Sulfate, total	mg/L	609	609	38.3	Reported
MW-85E	Compliance	09/17/2024	A7D	Sulfate, total	mg/L	478	478	38.3	Reported
MW-85E	Compliance	02/19/2024	A7	Total Dissolved Solids	mg/L	1,240	1,240	646	Reported
MW-85E	Compliance	09/17/2024	A7D	Total Dissolved Solids	mg/L	950	950	646	Reported

Notes:
-- = not applicable
Comparison Value is different from the Result when the Result is below the Reporting Limit (RL). The Result will not be used in statistical calculations due to the inherent uncertainty in results that are below the RL. The RL will be substituted for these data.
Event IDs:
A7 = Quarter 1, 2024 Assessment Monitoring sampling event
A7D = Quarter 3, 2024 Assessment Monitoring sampling event
ID = identification
mg/L = milligrams per liter
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
Statistically Significant Increase (SSI) Type:
No Exceedance: No exceedance of the background.
Reported: An exceedance in the parent event was observed and reported.
SU = Standard Units

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
MW-10BG	B	02/21/2024	A7	0.005 U	0.0355	0.255	5e-04 U	5e-04 U	0.005 U	0.00138	0.4 U	0.0025 U	0.00889	2e-04 U	0.005 U	1.67	0.0025 U	0.001 U
MW-10BG	B	09/09/2024	A7D	0.00110	0.0364	0.223	0.00021 U	0.00019 U	0.00063 U	0.00140	0.324 J	0.00069 U	0.0105	6.4e-05 U	0.00310	0.523	0.00026 U	0.00011 U
MW-19BG1	B	02/15/2024	A7	0.005 U	0.003 U	0.332	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0112	2e-04 U	0.005 U	0.970	0.0025 U	0.001 U
MW-19BG1	B	09/17/2024	A7D	0.00034 U	0.00130	0.309	0.00021 U	0.00019 U	0.00063 U	0.00012 U	0.314 J	0.00069 U	0.00960	8.1e-05 J	6e-04 J	1.45	0.00026 U	0.00011 U
MW-19BG2	B	02/15/2024	A7	0.005 U	0.00892	0.391	5e-04 U	5e-04 U	0.005 U	0.00116	0.420	0.0025 U	0.0113	2e-04 U	0.005 U	1.59	0.0025 U	0.001 U
MW-19BG2	B	09/16/2024	A7D	0.00034 U	0.00470	0.328	0.00021 U	0.00019 U	0.00063 U	0.00015 J	0.287 J	0.00069 U	0.0106	6.4e-05 U	0.00056 U	0.689	0.00026 U	0.00011 U
MW-19BG3	B	02/15/2024	A7	0.005 U	0.0572	0.246	5e-04 U	5e-04 U	0.005 U	0.000555	0.4 U	0.0025 U	0.00928	2e-04 U	0.005 U	1.29	0.0025 U	0.001 U
MW-19BG3	B	09/10/2024	A7D	0.00041 J	0.0290	0.204	0.00021 U	0.00019 U	0.00063 U	0.00014 J	0.369 J	0.00069 U	0.0100	6.4e-05 U	0.0013 J	0.276	0.00077 J	0.00011 U
MW-19BG4	B	02/15/2024	A7	0.005 U	0.0669	0.391	5e-04 U	5e-04 U	0.005 U	0.00231	0.4 U	0.00524	0.0106	2e-04 U	0.005 U	5.31	0.0025 U	0.001 U
MW-19BG4	B	09/16/2024	A7D	0.00034 U	0.0483	0.259	0.00021 U	0.00019 U	0.00100	0.00034 J	0.179 J	0.00069 U	0.00840	6.4e-05 U	0.00056 U	1.30	0.00026 U	0.00011 U
MW-19BG5	B	02/15/2024	A7	0.005 U	0.0237	0.269	5e-04 U	5e-04 U	0.005 U	0.00111	0.4 U	0.0025 U	0.005 U	2e-04 U	0.005 U	1.31	0.0025 U	0.001 U
MW-19BG5	B	09/16/2024	A7D	0.00034 U	0.0163	0.249	0.00021 U	0.00019 U	0.00063 U	0.00015 J	0.22 J	0.00069 U	0.00710	6.4e-05 U	0.0015 J	1.35	0.00026 U	0.00011 U
MW-10A	C	02/20/2024	A7	0.005 U	0.00522	0.290	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.416	0.0025 U	0.0108	2e-04 U	0.005 U	0.263	0.0025 U	0.001 U
MW-10A	C	09/17/2024	A7D	0.00034 U	0.00330	0.246	0.00021 U	0.00019 U	0.00063 U	0.00026 J	0.49 J	0.00069 U	0.0117	6.4e-05 U	0.0021 J	1.35	0.00026 U	0.00011 U
MW-10B	C	02/20/2024	A7	0.005 U	0.0162	0.508	5e-04 U	5e-04 U	0.005 U	0.00334	0.4 U	0.0025 U	0.00842	2e-04 U	0.005 U	1.47	0.0025 U	0.001 U
MW-10B	C	09/17/2024	A7D	0.00034 U	0.0154	0.440	0.00021 U	0.00019 U	0.00063 U	0.00570	0.228 J	0.00069 U	0.00760	6.4e-05 U	0.0013 J	0.599	0.00026 U	0.00011 U
MW-10CR1	C	02/20/2024	A7	0.005 U	0.00433	0.240	5e-04 U	5e-04 U	0.005 U	0.00117	0.4 U	0.0025 U	0.0117	2e-04 U	0.00525	0.634	0.0025 U	0.001 U
MW-10CR1	C	09/17/2024	A7D	0.00034 U	0.00340	0.119	0.00021 U	0.00019 U	0.00063 U	0.00082 J	0.44 J	0.00069 U	0.0114	6.4e-05 U	0.00710	1.19	0.00130	0.00011 U
MW-10D	C	02/20/2024	A7	0.005 U	0.00853	0.176	5e-04 U	5e-04 U	0.005 U	0.000565	0.4 U	0.0025 U	0.0144	2e-04 U	0.005 U	0.378	0.0025 U	0.001 U
MW-10D	C	09/17/2024	A7D	0.00034 U	0.00790	0.160	0.00021 U	0.00019 U	0.00063 U	7e-04 J	0.271 J	0.00069 U	0.0152	6.4e-05 U	0.00081 J	1.23	0.00026 U	0.00011 U
MW-10E	C	02/19/2024	A7	0.005 U	0.0131	0.431	5e-04 U	5e-04 U	0.005 U	0.000730	0.4 U	0.0025 U	0.0123	2e-04 U	0.005 U	0.545	0.0025 U	0.001 U
MW-10E	C	09/16/2024	A7D	0.00034 U	0.0133	0.357	0.00021 U	0.00019 U	0.00063 U	4e-04 J	0.272 J	0.00069 U	0.0178	6.4e-05 U	0.00072 J	1.47	0.00026 U	0.00011 U
MW-10F	C	02/19/2024	A7	0.005 U	0.00999	0.0318	5e-04 U	5e-04 U	0.005 U	0.00341	0.4 U	0.0025 U	0.0157	2e-04 U	0.005 U	0.123	0.0025 U	0.001 U
MW-10F	C	09/16/2024	A7D	0.00034 U	0.00960	0.0466	0.00021 U	0.00019 U	0.00063 U	0.00420	0.176 J	0.00069 U	0.0278	6.4e-05 U	0.00074 J	1.47	0.00026 U	0.00011 U
MW-10G	C	02/19/2024	A7	0.005 U	0.003 U	0.469	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0170	2e-04 U	0.005 U	0.548	0.0025 U	0.001 U
MW-10G	C	09/17/2024	A7D	0.00034 U	0.00150	0.417	0.00021 U	0.00019 U	0.00063 U	2e-04 J	0.327 J	0.00069 U	0.0180	6.4e-05 U	0.00077 J	1.38	0.00026 U	0.00011 U

TABLE 3
ANALYTICAL RESULTS - APPENDIX IV PARAMETERS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Well Type	Date	Event ID	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Fluoride, total (mg/L)	Lead, total (mg/L)	Lithium, total (mg/L)	Mercury, total (mg/L)	Molybdenum, total (mg/L)	Radium 226 + 228 (pCi/L)	Selenium, total (mg/L)	Thallium, total (mg/L)
MW-10H	C	02/19/2024	A7	0.005 U	0.0117	0.500	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0128	2e-04 U	0.005 U	0.912	0.0025 U	0.001 U
MW-10H	C	09/17/2024	A7D	0.00034 U	0.00890	0.419	0.00021 U	0.00019 U	0.00063 U	0.00012 U	0.348 J	0.00069 U	0.0178	6.4e-05 U	0.00056 U	2.15	0.00026 U	0.00011 U
MW-10I	C	02/19/2024	A7	0.005 U	0.003 U	0.478	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0254	2e-04 U	0.005 U	0.444	0.0025 U	0.001 U
MW-10I	C	09/16/2024	A7D	0.00034 U	0.00110	0.424	0.00021 U	0.00019 U	0.00063 U	0.00015 J	0.238 J	0.00069 U	0.0246	6.4e-05 U	0.00056 U	0.913	0.00026 U	0.00011 U
MW-85A	C	02/19/2024	A7	0.005 U	0.003 U	0.295	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.00852	2e-04 U	0.005 U	1.30	0.0025 U	0.001 U
MW-85A	C	09/16/2024	A7D	0.00034 U	0.00120	0.288	0.00021 U	0.00019 U	0.00063 U	0.00014 J	0.469 J	0.00069 U	0.0162	6.4e-05 U	0.00056 U	1.36	0.00026 U	0.00011 U
MW-85B	C	02/20/2024	A7	0.005 U	0.003 U	0.547	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0160	2e-04 U	0.005 U	0.842	0.0025 U	0.001 U
MW-85B	C	09/17/2024	A7D	0.00034 U	0.00041 J	0.310	0.00021 U	0.00019 U	0.00063 U	7e-04 J	0.26 J	0.00069 U	0.0168	6.4e-05 U	0.00056 U	1.40	0.00069 J	0.00011 U
MW-85C	C	02/20/2024	A7	0.005 U	0.00713	0.176	5e-04 U	5e-04 U	0.005 U	5e-04 U	0.4 U	0.0025 U	0.0155	2e-04 U	0.005 U	0.516	0.0025 U	0.001 U
MW-85C	C	09/16/2024	A7D	0.00034 U	0.00540	0.162	0.00021 U	0.00019 U	0.00063 U	0.00033 J	0.363 J	0.00069 U	0.0120	6.4e-05 U	0.0025 J	0.670	0.00026 U	0.00011 U
MW-85D	C	02/20/2024	A7	0.005 U	0.00716	0.252	5e-04 U	5e-04 U	0.005 U	0.000805	0.4 U	0.0025 U	0.0203	2e-04 U	0.005 U	0.361	0.0025 U	0.001 U
MW-85D	C	09/16/2024	A7D	0.00034 U	0.00620	0.246	0.00021 U	0.00019 U	0.00063 U	0.00069 J	0.351 J	0.00069 U	0.0166	6.4e-05 U	0.0015 J	1.03	0.00026 U	0.00011 U
MW-85E	C	02/19/2024	A7	0.005 U	0.00990	0.0657	5e-04 U	5e-04 U	0.005 U	0.000885	0.4 U	0.0025 U	0.00792	2e-04 U	0.0362	0.825	0.0025 U	0.001 U
MW-85E	C	09/17/2024	A7D	0.00034 U	0.00260	0.0532	0.00021 U	0.00019 U	0.00063 U	0.00160	0.339 J	0.00069 U	0.0154	6.4e-05 U	0.0289	0.999	0.00026 U	0.00011 U

Notes:
Data qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review* (2020):
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
Event IDs:
A7 = Quarter 1, 2024 Detection Monitoring sampling event
A7D = Quarter 3, 2024 Detection Monitoring sampling events
ID = identification
mg/L = milligrams per liter
pCi/L = picoCuries per liter
Well Type:
B = Background
C = Compliance

TABLE 4
STATISTICAL BACKGROUND VALUES
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Parameter	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	04/12/2016 - 09/08/2023	76	4	Non-Parametric UPL	0.332
Calcium (mg/L)	04/12/2016 - 09/08/2023	76	0	Non-Parametric UPL	126
Chloride (mg/L)	04/12/2016 - 09/08/2023	76	1	Non-Parametric UPL	19.9
Fluoride (mg/L)	04/12/2016 - 09/08/2023	77	40	Non-Parametric UPL	0.605
pH (S.U.)	04/12/2016 - 09/08/2023	77	0	Parametric LPL/UPL (log-transformed)	6.4/8.1
Sulfate (mg/L)	04/12/2016 - 09/08/2023	76	75	Non-Parametric UPL	38.3
Total Dissolved Solids (mg/L)	04/12/2016 - 09/08/2023	76	0	Non-Parametric UPL	646

Notes:
LPL = lower prediction limit (applicable for pH only)
mg/L = milligrams per liter
SU = standard units
UPL = upper prediction limit

TABLE 5
GROUNDWATER PROTECTION STANDARDS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Parameter	Background					MCL/HBL	Groundwater Protection Standard*	Groundwater Protection Standard Source
	Date Range	Sample Count	Percent Non-Detects	Statistical Calculation	Value			
Antimony (mg/L)	04/12/2016 - 09/08/2023	74	99	Non-parametric UTL	0.00330	0.006	0.006	MCL/HBL
Arsenic (mg/L)	04/12/2016 - 09/08/2023	75	5	Non-parametric UTL	0.120	0.010	0.120	Background
Barium (mg/L)	04/12/2016 - 09/08/2023	75	0	Non-parametric UTL	0.654	2.0	2.0	MCL/HBL
Beryllium (mg/L)	04/12/2016 - 09/08/2023	74	99	Non-parametric UTL	0.00410	0.004	0.00410	Background
Cadmium (mg/L)	04/12/2016 - 09/08/2023	74	100	All ND - Last Reporting Limit	0.002	0.005	0.005	MCL/HBL
Chromium (mg/L)	04/12/2016 - 09/08/2023	74	42	Non-parametric UTL	0.181	0.1	0.181	Background
Cobalt (mg/L)	04/12/2016 - 09/08/2023	75	63	Non-parametric UTL	0.00540	0.006	0.006	MCL/HBL
Fluoride (mg/L)	04/12/2016 - 09/08/2023	77	40	Non-parametric UTL	0.605	4.0	4.0	MCL/HBL
Lead (mg/L)	04/12/2016 - 09/08/2023	75	53	Non-parametric UTL	0.0110	0.015	0.015	MCL/HBL
Lithium (mg/L)	04/12/2016 - 09/08/2023	75	4	Parametric UTL	0.0158	0.04	0.04	MCL/HBL
Mercury (mg/L)	04/12/2016 - 09/08/2023	74	100	All ND - Last Reporting Limit	0.0002	0.002	0.002	MCL/HBL
Molybdenum (mg/L)	04/12/2016 - 09/08/2023	75	85	Non-parametric UTL	0.00640	0.1	0.1	MCL/HBL
Radium 226 + Radium 228 (pCi/L)	04/12/2016 - 09/08/2023	75	0	Parametric UTL (log-transformed)	4.76	5	5	MCL/HBL
Selenium (mg/L)	04/12/2016 - 09/08/2023	75	97	Non-parametric UTL	0.00419	0.05	0.05	MCL/HBL
Thallium (mg/L)	04/12/2016 - 09/08/2023	74	100	All ND - Last Reporting Limit	0.0005	0.002	0.002	MCL/HBL

Notes:
* Groundwater Protection Standard is the higher of the MCL/HBL or background.
MCL/HBL = maximum contaminant level/health-based level
mg/L = milligrams per liter
ND = non-detect
pCi/L = picoCuries per liter
UTL = upper tolerance limit

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10A	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10A	A7D	Antimony	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10A	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	5	CB around T-S line	0.00329	0.120	Background	No Exceedance
MW-10A	A7D	Arsenic	mg/L	04/12/16 - 09/17/24	22	5	CB around T-S line	0.00343	0.120	Background	No Exceedance
MW-10A	A7	Barium	mg/L	04/12/16 - 02/20/24	21	5	CI around median	0.260	2.0	MCL/HBL	No Exceedance
MW-10A	A7D	Barium	mg/L	04/12/16 - 09/17/24	22	5	CI around median	0.256	2.0	MCL/HBL	No Exceedance
MW-10A	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10A	A7D	Beryllium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10A	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10A	A7D	Cadmium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10A	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10A	A7D	Chromium	mg/L	04/12/16 - 09/17/24	21	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10A	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10A	A7D	Cobalt	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10A	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	22	CI around median	0.380	4.0	MCL/HBL	No Exceedance
MW-10A	A7D	Fluoride	mg/L	04/12/16 - 09/17/24	24	25	CI around median	0.400	4.0	MCL/HBL	No Exceedance
MW-10A	A7	Lead	mg/L	04/12/16 - 02/20/24	21	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10A	A7D	Lead	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10A	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	5	CB around T-S line	0.00743	0.04	MCL/HBL	No Exceedance
MW-10A	A7D	Lithium	mg/L	04/12/16 - 09/17/24	22	5	CB around T-S line	0.00819	0.04	MCL/HBL	No Exceedance
MW-10A	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-10A	A7D	Mercury	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-10A	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00300	0.1	MCL/HBL	No Exceedance
MW-10A	A7D	Molybdenum	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-10A	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CB around linear reg	0.266	5	MCL/HBL	No Exceedance
MW-10A	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/17/24	22	0	CI around mean	0.658	5	MCL/HBL	No Exceedance
MW-10A	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	90	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10A	A7D	Selenium	mg/L	04/12/16 - 09/17/24	22	91	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-10A	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10A	A7D	Thallium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10B	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10B	A7D	Antimony	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10B	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	5	CB around linear reg	0.00787	0.120	Background	No Exceedance
MW-10B	A7D	Arsenic	mg/L	04/12/16 - 09/17/24	22	5	CB around linear reg	0.00908	0.120	Background	No Exceedance
MW-10B	A7	Barium	mg/L	04/12/16 - 02/20/24	21	0	CB around T-S line	0.470	2.0	MCL/HBL	No Exceedance
MW-10B	A7D	Barium	mg/L	04/12/16 - 09/17/24	22	0	CB around T-S line	0.454	2.0	MCL/HBL	No Exceedance
MW-10B	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10B	A7D	Beryllium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10B	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10B	A7D	Cadmium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10B	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	85	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10B	A7D	Chromium	mg/L	04/12/16 - 09/17/24	21	86	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10B	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	67	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10B	A7D	Cobalt	mg/L	04/12/16 - 09/17/24	22	64	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10B	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	48	CI around median	0.190	4.0	MCL/HBL	No Exceedance
MW-10B	A7D	Fluoride	mg/L	04/12/16 - 09/17/24	24	50	CI around median	0.190	4.0	MCL/HBL	No Exceedance
MW-10B	A7	Lead	mg/L	04/12/16 - 02/20/24	21	90	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10B	A7D	Lead	mg/L	04/12/16 - 09/17/24	22	91	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10B	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	0	CI around mean	0.0110	0.04	MCL/HBL	No Exceedance
MW-10B	A7D	Lithium	mg/L	04/12/16 - 09/17/24	22	0	CI around mean	0.0107	0.04	MCL/HBL	No Exceedance
MW-10B	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10B	A7D	Mercury	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10B	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-10B	A7D	Molybdenum	mg/L	04/12/16 - 09/17/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10B	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CI around mean	0.793	5	MCL/HBL	No Exceedance
MW-10B	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/17/24	22	0	CI around mean	0.780	5	MCL/HBL	No Exceedance
MW-10B	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10B	A7D	Selenium	mg/L	04/12/16 - 09/17/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-10B	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10B	A7D	Thallium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10CR1	A7	Antimony	mg/L	10/17/16 - 02/20/24	17	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10CR1	A7D	Antimony	mg/L	10/17/16 - 09/17/24	18	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10CR1	A7	Arsenic	mg/L	10/17/16 - 02/20/24	18	0	CI around mean	0.00457	0.120	Background	No Exceedance
MW-10CR1	A7D	Arsenic	mg/L	10/17/16 - 09/17/24	19	0	CI around mean	0.00447	0.120	Background	No Exceedance
MW-10CR1	A7	Barium	mg/L	10/17/16 - 02/20/24	18	0	CI around mean	0.262	2.0	MCL/HBL	No Exceedance
MW-10CR1	A7D	Barium	mg/L	10/17/16 - 09/17/24	19	0	CB around T-S line	0.0912	2.0	MCL/HBL	No Exceedance
MW-10CR1	A7	Beryllium	mg/L	10/17/16 - 02/20/24	17	94	CI around median	0.00100	0.00410	Background	No Exceedance
MW-10CR1	A7D	Beryllium	mg/L	10/17/16 - 09/17/24	18	94	CI around median	0.00100	0.00410	Background	No Exceedance
MW-10CR1	A7	Cadmium	mg/L	10/17/16 - 02/20/24	17	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10CR1	A7D	Cadmium	mg/L	10/17/16 - 09/17/24	18	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10CR1	A7	Chromium	mg/L	10/17/16 - 02/20/24	17	94	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10CR1	A7D	Chromium	mg/L	10/17/16 - 09/17/24	18	94	CI around median	0.00100	0.181	Background	No Exceedance
MW-10CR1	A7	Cobalt	mg/L	10/17/16 - 02/20/24	18	50	CI around geomean	0.00109	0.006	MCL/HBL	No Exceedance
MW-10CR1	A7D	Cobalt	mg/L	10/17/16 - 09/17/24	19	53	CI around median	0.00120	0.006	MCL/HBL	No Exceedance
MW-10CR1	A7	Fluoride	mg/L	10/17/16 - 02/20/24	20	40	CB around T-S line	0.240	4.0	MCL/HBL	No Exceedance
MW-10CR1	A7D	Fluoride	mg/L	10/17/16 - 09/17/24	21	43	CB around T-S line	0.253	4.0	MCL/HBL	No Exceedance
MW-10CR1	A7	Lead	mg/L	10/17/16 - 02/20/24	18	94	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10CR1	A7D	Lead	mg/L	10/17/16 - 09/17/24	19	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10CR1	A7	Lithium	mg/L	10/17/16 - 02/20/24	18	0	CB around linear reg	0.00769	0.04	MCL/HBL	No Exceedance
MW-10CR1	A7D	Lithium	mg/L	10/17/16 - 09/17/24	19	0	CB around T-S line	0.00843	0.04	MCL/HBL	No Exceedance
MW-10CR1	A7	Mercury	mg/L	10/17/16 - 02/20/24	17	94	CI around median	0.000200	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10CR1	A7D	Mercury	mg/L	10/17/16 - 09/17/24	18	94	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-10CR1	A7	Molybdenum	mg/L	10/17/16 - 02/20/24	18	44	CB around T-S line	0.00395	0.1	MCL/HBL	No Exceedance
MW-10CR1	A7D	Molybdenum	mg/L	10/17/16 - 09/17/24	19	42	CB around T-S line	0.00400	0.1	MCL/HBL	No Exceedance
MW-10CR1	A7	Radium 226 + Radium 228, total	pCi/L	10/17/16 - 02/20/24	18	0	CI around mean	0.692	5	MCL/HBL	No Exceedance
MW-10CR1	A7D	Radium 226 + Radium 228, total	pCi/L	10/17/16 - 09/17/24	19	0	CI around mean	0.720	5	MCL/HBL	No Exceedance
MW-10CR1	A7	Selenium	mg/L	10/17/16 - 02/20/24	18	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10CR1	A7D	Selenium	mg/L	10/17/16 - 09/17/24	19	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-10CR1	A7	Thallium	mg/L	10/17/16 - 02/20/24	17	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10CR1	A7D	Thallium	mg/L	10/17/16 - 09/17/24	18	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10D	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10D	A7D	Antimony	mg/L	04/12/16 - 09/17/24	21	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10D	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	5	CB around T-S line	0.00299	0.120	Background	No Exceedance
MW-10D	A7D	Arsenic	mg/L	04/12/16 - 09/17/24	22	5	CB around T-S line	0.00362	0.120	Background	No Exceedance
MW-10D	A7	Barium	mg/L	04/12/16 - 02/20/24	21	5	CI around median	0.190	2.0	MCL/HBL	No Exceedance
MW-10D	A7D	Barium	mg/L	04/12/16 - 09/17/24	22	5	CI around median	0.180	2.0	MCL/HBL	No Exceedance
MW-10D	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.00100	0.00410	Background	No Exceedance
MW-10D	A7D	Beryllium	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.00100	0.00410	Background	No Exceedance
MW-10D	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-10D	A7D	Cadmium	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-10D	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10D	A7D	Chromium	mg/L	04/12/16 - 09/17/24	21	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10D	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	90	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10D	A7D	Cobalt	mg/L	04/12/16 - 09/17/24	22	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10D	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	43	CI around median	0.220	4.0	MCL/HBL	No Exceedance
MW-10D	A7D	Fluoride	mg/L	04/12/16 - 09/17/24	24	46	CI around median	0.240	4.0	MCL/HBL	No Exceedance
MW-10D	A7	Lead	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10D	A7D	Lead	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10D	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	10	CB around T-S line	0.00925	0.04	MCL/HBL	No Exceedance
MW-10D	A7D	Lithium	mg/L	04/12/16 - 09/17/24	22	9	CI around median	0.0130	0.04	MCL/HBL	No Exceedance
MW-10D	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-10D	A7D	Mercury	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-10D	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	90	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-10D	A7D	Molybdenum	mg/L	04/12/16 - 09/17/24	22	91	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-10D	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CI around geomean	0.587	5	MCL/HBL	No Exceedance
MW-10D	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/17/24	22	0	CI around geomean	0.605	5	MCL/HBL	No Exceedance
MW-10D	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-10D	A7D	Selenium	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00100	0.05	MCL/HBL	No Exceedance
MW-10D	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.000500	0.002	MCL/HBL	No Exceedance
MW-10D	A7D	Thallium	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.000500	0.002	MCL/HBL	No Exceedance
MW-10E	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10E	A7D	Antimony	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10E	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	5	CB around T-S line	0.0105	0.120	Background	No Exceedance
MW-10E	A7D	Arsenic	mg/L	04/11/16 - 09/16/24	22	5	CB around T-S line	0.0109	0.120	Background	No Exceedance
MW-10E	A7	Barium	mg/L	04/11/16 - 02/19/24	21	0	CB around T-S line	0.389	2.0	MCL/HBL	No Exceedance
MW-10E	A7D	Barium	mg/L	04/11/16 - 09/16/24	22	0	CB around T-S line	0.383	2.0	MCL/HBL	No Exceedance
MW-10E	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10E	A7D	Beryllium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10E	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10E	A7D	Cadmium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10E	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	85	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10E	A7D	Chromium	mg/L	04/11/16 - 09/16/24	21	86	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10E	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	90	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10E	A7D	Cobalt	mg/L	04/11/16 - 09/16/24	22	91	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10E	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	43	CI around median	0.230	4.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10E	A7D	Fluoride	mg/L	04/11/16 - 09/16/24	24	46	CI around median	0.240	4.0	MCL/HBL	No Exceedance
MW-10E	A7	Lead	mg/L	04/11/16 - 02/19/24	21	81	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10E	A7D	Lead	mg/L	04/11/16 - 09/16/24	22	82	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10E	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	10	CI around median	0.0130	0.04	MCL/HBL	No Exceedance
MW-10E	A7D	Lithium	mg/L	04/11/16 - 09/16/24	22	9	CI around median	0.0130	0.04	MCL/HBL	No Exceedance
MW-10E	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10E	A7D	Mercury	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10E	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-10E	A7D	Molybdenum	mg/L	04/11/16 - 09/16/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance
MW-10E	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around geomean	0.627	5	MCL/HBL	No Exceedance
MW-10E	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/16/24	22	0	CB around linear reg	0.714	5	MCL/HBL	No Exceedance
MW-10E	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10E	A7D	Selenium	mg/L	04/11/16 - 09/16/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-10E	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10E	A7D	Thallium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10F	A7	Antimony	mg/L	04/12/16 - 02/19/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10F	A7D	Antimony	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10F	A7	Arsenic	mg/L	04/12/16 - 02/19/24	21	10	CB around linear reg	0.00904	0.120	Background	No Exceedance
MW-10F	A7D	Arsenic	mg/L	04/12/16 - 09/16/24	22	9	CB around linear reg	0.00891	0.120	Background	No Exceedance
MW-10F	A7	Barium	mg/L	04/12/16 - 02/19/24	21	0	CB around T-S line	-0.00660	2.0	MCL/HBL	No Exceedance
MW-10F	A7D	Barium	mg/L	04/12/16 - 09/16/24	22	0	CB around T-S line	0.000479	2.0	MCL/HBL	No Exceedance
MW-10F	A7	Beryllium	mg/L	04/12/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10F	A7D	Beryllium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10F	A7	Cadmium	mg/L	04/12/16 - 02/19/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10F	A7D	Cadmium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10F	A7	Chromium	mg/L	04/12/16 - 02/19/24	20	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10F	A7D	Chromium	mg/L	04/12/16 - 09/16/24	21	90	CB around T-S line	0.00100	0.181	Background	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10F	A7	Cobalt	mg/L	04/12/16 - 02/19/24	21	38	CB around T-S line	0.00300	0.006	MCL/HBL	No Exceedance
MW-10F	A7D	Cobalt	mg/L	04/12/16 - 09/16/24	22	36	CB around T-S line	0.00304	0.006	MCL/HBL	No Exceedance
MW-10F	A7	Fluoride	mg/L	04/12/16 - 02/19/24	23	57	CI around median	0.220	4.0	MCL/HBL	No Exceedance
MW-10F	A7D	Fluoride	mg/L	04/12/16 - 09/16/24	24	58	CI around median	0.220	4.0	MCL/HBL	No Exceedance
MW-10F	A7	Lead	mg/L	04/12/16 - 02/19/24	21	100	All ND - Last	0.0025	0.015	MCL/HBL	No Exceedance
MW-10F	A7D	Lead	mg/L	04/12/16 - 09/16/24	22	100	All ND - Last	0.001	0.015	MCL/HBL	No Exceedance
MW-10F	A7	Lithium	mg/L	04/12/16 - 02/19/24	21	5	CI around mean	0.0187	0.04	MCL/HBL	No Exceedance
MW-10F	A7D	Lithium	mg/L	04/12/16 - 09/16/24	22	5	CI around mean	0.0191	0.04	MCL/HBL	No Exceedance
MW-10F	A7	Mercury	mg/L	04/12/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10F	A7D	Mercury	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10F	A7	Molybdenum	mg/L	04/12/16 - 02/19/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-10F	A7D	Molybdenum	mg/L	04/12/16 - 09/16/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance
MW-10F	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/19/24	21	0	CI around mean	0.590	5	MCL/HBL	No Exceedance
MW-10F	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/16/24	22	0	CI around mean	0.625	5	MCL/HBL	No Exceedance
MW-10F	A7	Selenium	mg/L	04/12/16 - 02/19/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10F	A7D	Selenium	mg/L	04/12/16 - 09/16/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-10F	A7	Thallium	mg/L	04/12/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10F	A7D	Thallium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10G	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10G	A7D	Antimony	mg/L	04/11/16 - 09/17/24	21	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10G	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	10	CI around median	0.00150	0.120	Background	No Exceedance
MW-10G	A7D	Arsenic	mg/L	04/11/16 - 09/17/24	22	9	CI around median	0.00150	0.120	Background	No Exceedance
MW-10G	A7	Barium	mg/L	04/11/16 - 02/19/24	21	0	CB around T-S line	0.370	2.0	MCL/HBL	No Exceedance
MW-10G	A7D	Barium	mg/L	04/11/16 - 09/17/24	22	0	CB around T-S line	0.357	2.0	MCL/HBL	No Exceedance
MW-10G	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10G	A7D	Beryllium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10G	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance

TABLE 6
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BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10G	A7D	Cadmium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10G	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10G	A7D	Chromium	mg/L	04/11/16 - 09/17/24	21	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10G	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10G	A7D	Cobalt	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10G	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	43	CI around median	0.240	4.0	MCL/HBL	No Exceedance
MW-10G	A7D	Fluoride	mg/L	04/11/16 - 09/17/24	24	46	CI around median	0.240	4.0	MCL/HBL	No Exceedance
MW-10G	A7	Lead	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10G	A7D	Lead	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10G	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	0	CI around median	0.0170	0.04	MCL/HBL	No Exceedance
MW-10G	A7D	Lithium	mg/L	04/11/16 - 09/17/24	22	0	CI around median	0.0170	0.04	MCL/HBL	No Exceedance
MW-10G	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10G	A7D	Mercury	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10G	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00300	0.1	MCL/HBL	No Exceedance
MW-10G	A7D	Molybdenum	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-10G	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around mean	0.598	5	MCL/HBL	No Exceedance
MW-10G	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/17/24	22	0	CI around mean	0.625	5	MCL/HBL	No Exceedance
MW-10G	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10G	A7D	Selenium	mg/L	04/11/16 - 09/17/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-10G	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10G	A7D	Thallium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10H	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-10H	A7D	Antimony	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-10H	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	0	CB around T-S line	0.00813	0.120	Background	No Exceedance
MW-10H	A7D	Arsenic	mg/L	04/11/16 - 09/17/24	22	0	CI around median	0.00800	0.120	Background	No Exceedance
MW-10H	A7	Barium	mg/L	04/11/16 - 02/19/24	21	0	CB around T-S line	0.437	2.0	MCL/HBL	No Exceedance
MW-10H	A7D	Barium	mg/L	04/11/16 - 09/17/24	22	0	CI around median	0.419	2.0	MCL/HBL	No Exceedance

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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10H	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10H	A7D	Beryllium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10H	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10H	A7D	Cadmium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10H	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10H	A7D	Chromium	mg/L	04/11/16 - 09/17/24	21	90	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10H	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10H	A7D	Cobalt	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10H	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	43	CI around geomean	0.202	4.0	MCL/HBL	No Exceedance
MW-10H	A7D	Fluoride	mg/L	04/11/16 - 09/17/24	24	46	CI around geomean	0.203	4.0	MCL/HBL	No Exceedance
MW-10H	A7	Lead	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10H	A7D	Lead	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10H	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	5	CI around median	0.0170	0.04	MCL/HBL	No Exceedance
MW-10H	A7D	Lithium	mg/L	04/11/16 - 09/17/24	22	5	CI around median	0.0170	0.04	MCL/HBL	No Exceedance
MW-10H	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10H	A7D	Mercury	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10H	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-10H	A7D	Molybdenum	mg/L	04/11/16 - 09/17/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance
MW-10H	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around mean	0.927	5	MCL/HBL	No Exceedance
MW-10H	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/17/24	22	0	CI around mean	0.958	5	MCL/HBL	No Exceedance
MW-10H	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-10H	A7D	Selenium	mg/L	04/11/16 - 09/17/24	22	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-10H	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10H	A7D	Thallium	mg/L	04/11/16 - 09/17/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-10I	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10I	A7D	Antimony	mg/L	04/11/16 - 09/16/24	21	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-10I	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.120	Background	No Exceedance

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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-10I	A7D	Arsenic	mg/L	04/11/16 - 09/16/24	22	91	CB around T-S line	0.00100	0.120	Background	No Exceedance
MW-10I	A7	Barium	mg/L	04/11/16 - 02/19/24	21	0	CI around median	0.333	2.0	MCL/HBL	No Exceedance
MW-10I	A7D	Barium	mg/L	04/11/16 - 09/16/24	22	0	CI around median	0.333	2.0	MCL/HBL	No Exceedance
MW-10I	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-10I	A7D	Beryllium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-10I	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-10I	A7D	Cadmium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-10I	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10I	A7D	Chromium	mg/L	04/11/16 - 09/16/24	21	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-10I	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10I	A7D	Cobalt	mg/L	04/11/16 - 09/16/24	22	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-10I	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	39	CI around median	0.210	4.0	MCL/HBL	No Exceedance
MW-10I	A7D	Fluoride	mg/L	04/11/16 - 09/16/24	24	42	CI around median	0.230	4.0	MCL/HBL	No Exceedance
MW-10I	A7	Lead	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-10I	A7D	Lead	mg/L	04/11/16 - 09/16/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-10I	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	5	CI around median	0.0220	0.04	MCL/HBL	No Exceedance
MW-10I	A7D	Lithium	mg/L	04/11/16 - 09/16/24	22	5	CI around median	0.0220	0.04	MCL/HBL	No Exceedance
MW-10I	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10I	A7D	Mercury	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-10I	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-10I	A7D	Molybdenum	mg/L	04/11/16 - 09/16/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance
MW-10I	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around mean	0.687	5	MCL/HBL	No Exceedance
MW-10I	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/16/24	22	0	CI around mean	0.699	5	MCL/HBL	No Exceedance
MW-10I	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-10I	A7D	Selenium	mg/L	04/11/16 - 09/16/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-10I	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-10I	A7D	Thallium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85A	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	90	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85A	A7D	Antimony	mg/L	04/11/16 - 09/16/24	21	90	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85A	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	10	CI around median	0.00181	0.120	Background	No Exceedance
MW-85A	A7D	Arsenic	mg/L	04/11/16 - 09/16/24	22	9	CI around median	0.00160	0.120	Background	No Exceedance
MW-85A	A7	Barium	mg/L	04/11/16 - 02/19/24	21	5	CI around median	0.290	2.0	MCL/HBL	No Exceedance
MW-85A	A7D	Barium	mg/L	04/11/16 - 09/16/24	22	5	CI around median	0.290	2.0	MCL/HBL	No Exceedance
MW-85A	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-85A	A7D	Beryllium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-85A	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-85A	A7D	Cadmium	mg/L	04/11/16 - 09/16/24	21	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-85A	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.005	0.181	Background	No Exceedance
MW-85A	A7D	Chromium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	0.001	0.181	Background	No Exceedance
MW-85A	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	100	All ND - Last	5e-04	0.006	MCL/HBL	No Exceedance
MW-85A	A7D	Cobalt	mg/L	04/11/16 - 09/16/24	22	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-85A	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	17	CI around mean	0.319	4.0	MCL/HBL	No Exceedance
MW-85A	A7D	Fluoride	mg/L	04/11/16 - 09/16/24	24	21	CI around mean	0.320	4.0	MCL/HBL	No Exceedance
MW-85A	A7	Lead	mg/L	04/11/16 - 02/19/24	21	90	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-85A	A7D	Lead	mg/L	04/11/16 - 09/16/24	22	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85A	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	5	CB around T-S line	0.0113	0.04	MCL/HBL	No Exceedance
MW-85A	A7D	Lithium	mg/L	04/11/16 - 09/16/24	22	5	CB around T-S line	0.0108	0.04	MCL/HBL	No Exceedance
MW-85A	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-85A	A7D	Mercury	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-85A	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00300	0.1	MCL/HBL	No Exceedance
MW-85A	A7D	Molybdenum	mg/L	04/11/16 - 09/16/24	22	95	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-85A	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around mean	0.745	5	MCL/HBL	No Exceedance
MW-85A	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/16/24	22	0	CI around mean	0.768	5	MCL/HBL	No Exceedance
MW-85A	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85A	A7D	Selenium	mg/L	04/11/16 - 09/16/24	22	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85A	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-85A	A7D	Thallium	mg/L	04/11/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-85B	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-85B	A7D	Antimony	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-85B	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	43	CB around T-S line	0.00125	0.120	Background	No Exceedance
MW-85B	A7D	Arsenic	mg/L	04/12/16 - 09/17/24	22	45	CB around T-S line	0.00110	0.120	Background	No Exceedance
MW-85B	A7	Barium	mg/L	04/12/16 - 02/20/24	21	5	CB around T-S line	0.492	2.0	MCL/HBL	No Exceedance
MW-85B	A7D	Barium	mg/L	04/12/16 - 09/17/24	22	5	CB around T-S line	0.458	2.0	MCL/HBL	No Exceedance
MW-85B	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-85B	A7D	Beryllium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-85B	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-85B	A7D	Cadmium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-85B	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.005	0.181	Background	No Exceedance
MW-85B	A7D	Chromium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	0.001	0.181	Background	No Exceedance
MW-85B	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85B	A7D	Cobalt	mg/L	04/12/16 - 09/17/24	22	95	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85B	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	43	CB around T-S line	0.113	4.0	MCL/HBL	No Exceedance
MW-85B	A7D	Fluoride	mg/L	04/12/16 - 09/17/24	24	46	CB around T-S line	0.0998	4.0	MCL/HBL	No Exceedance
MW-85B	A7	Lead	mg/L	04/12/16 - 02/20/24	21	90	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85B	A7D	Lead	mg/L	04/12/16 - 09/17/24	22	91	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85B	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	5	CB around T-S line	0.0149	0.04	MCL/HBL	No Exceedance
MW-85B	A7D	Lithium	mg/L	04/12/16 - 09/17/24	22	5	CB around T-S line	0.0154	0.04	MCL/HBL	No Exceedance
MW-85B	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-85B	A7D	Mercury	mg/L	04/12/16 - 09/17/24	21	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-85B	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	100	All ND - Last	0.005	0.1	MCL/HBL	No Exceedance
MW-85B	A7D	Molybdenum	mg/L	04/12/16 - 09/17/24	22	100	All ND - Last	0.003	0.1	MCL/HBL	No Exceedance

TABLE 6
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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85B	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CI around geomean	0.882	5	MCL/HBL	No Exceedance
MW-85B	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/17/24	22	0	CI around geomean	0.900	5	MCL/HBL	No Exceedance
MW-85B	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85B	A7D	Selenium	mg/L	04/12/16 - 09/17/24	22	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85B	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-85B	A7D	Thallium	mg/L	04/12/16 - 09/17/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-85C	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.005	0.006	MCL/HBL	No Exceedance
MW-85C	A7D	Antimony	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.006	MCL/HBL	No Exceedance
MW-85C	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	0	CB around T-S line	0.00498	0.120	Background	No Exceedance
MW-85C	A7D	Arsenic	mg/L	04/12/16 - 09/16/24	22	0	CI around median	0.00520	0.120	Background	No Exceedance
MW-85C	A7	Barium	mg/L	04/12/16 - 02/20/24	21	0	CI around median	0.240	2.0	MCL/HBL	No Exceedance
MW-85C	A7D	Barium	mg/L	04/12/16 - 09/16/24	22	0	CB around T-S line	0.144	2.0	MCL/HBL	No Exceedance
MW-85C	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-85C	A7D	Beryllium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-85C	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-85C	A7D	Cadmium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-85C	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	70	CB around T-S line	0.000754	0.181	Background	No Exceedance
MW-85C	A7D	Chromium	mg/L	04/12/16 - 09/16/24	21	71	CI around median	0.00100	0.181	Background	No Exceedance
MW-85C	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	71	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85C	A7D	Cobalt	mg/L	04/12/16 - 09/16/24	22	73	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85C	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	39	CI around median	0.280	4.0	MCL/HBL	No Exceedance
MW-85C	A7D	Fluoride	mg/L	04/12/16 - 09/16/24	24	42	CI around median	0.300	4.0	MCL/HBL	No Exceedance
MW-85C	A7	Lead	mg/L	04/12/16 - 02/20/24	21	76	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85C	A7D	Lead	mg/L	04/12/16 - 09/16/24	22	77	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85C	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	0	CI around median	0.0120	0.04	MCL/HBL	No Exceedance
MW-85C	A7D	Lithium	mg/L	04/12/16 - 09/16/24	22	0	CI around median	0.0120	0.04	MCL/HBL	No Exceedance
MW-85C	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance

TABLE 6
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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85C	A7D	Mercury	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-85C	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00300	0.1	MCL/HBL	No Exceedance
MW-85C	A7D	Molybdenum	mg/L	04/12/16 - 09/16/24	22	95	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-85C	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CI around mean	0.840	5	MCL/HBL	No Exceedance
MW-85C	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/16/24	22	0	CB around linear reg	0.121	5	MCL/HBL	No Exceedance
MW-85C	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	100	All ND - Last	0.0025	0.05	MCL/HBL	No Exceedance
MW-85C	A7D	Selenium	mg/L	04/12/16 - 09/16/24	22	100	All ND - Last	0.001	0.05	MCL/HBL	No Exceedance
MW-85C	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-85C	A7D	Thallium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-85D	A7	Antimony	mg/L	04/12/16 - 02/20/24	20	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85D	A7D	Antimony	mg/L	04/12/16 - 09/16/24	21	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85D	A7	Arsenic	mg/L	04/12/16 - 02/20/24	21	0	CI around mean	0.00447	0.120	Background	No Exceedance
MW-85D	A7D	Arsenic	mg/L	04/12/16 - 09/16/24	22	0	CI around mean	0.00455	0.120	Background	No Exceedance
MW-85D	A7	Barium	mg/L	04/12/16 - 02/20/24	21	0	CI around median	0.240	2.0	MCL/HBL	No Exceedance
MW-85D	A7D	Barium	mg/L	04/12/16 - 09/16/24	22	0	CI around median	0.240	2.0	MCL/HBL	No Exceedance
MW-85D	A7	Beryllium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.00410	Background	No Exceedance
MW-85D	A7D	Beryllium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.00410	Background	No Exceedance
MW-85D	A7	Cadmium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	5e-04	0.005	MCL/HBL	No Exceedance
MW-85D	A7D	Cadmium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	0.001	0.005	MCL/HBL	No Exceedance
MW-85D	A7	Chromium	mg/L	04/12/16 - 02/20/24	20	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-85D	A7D	Chromium	mg/L	04/12/16 - 09/16/24	21	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-85D	A7	Cobalt	mg/L	04/12/16 - 02/20/24	21	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85D	A7D	Cobalt	mg/L	04/12/16 - 09/16/24	22	86	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85D	A7	Fluoride	mg/L	04/12/16 - 02/20/24	23	39	CI around median	0.290	4.0	MCL/HBL	No Exceedance
MW-85D	A7D	Fluoride	mg/L	04/12/16 - 09/16/24	24	42	CI around median	0.300	4.0	MCL/HBL	No Exceedance
MW-85D	A7	Lead	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-85D	A7D	Lead	mg/L	04/12/16 - 09/16/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance

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2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85D	A7	Lithium	mg/L	04/12/16 - 02/20/24	21	5	CI around median	0.0159	0.04	MCL/HBL	No Exceedance
MW-85D	A7D	Lithium	mg/L	04/12/16 - 09/16/24	22	5	CB around T-S line	0.0127	0.04	MCL/HBL	No Exceedance
MW-85D	A7	Mercury	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-85D	A7D	Mercury	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	2e-04	0.002	MCL/HBL	No Exceedance
MW-85D	A7	Molybdenum	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00300	0.1	MCL/HBL	No Exceedance
MW-85D	A7D	Molybdenum	mg/L	04/12/16 - 09/16/24	22	95	CI around median	0.00300	0.1	MCL/HBL	No Exceedance
MW-85D	A7	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 02/20/24	21	0	CI around mean	0.772	5	MCL/HBL	No Exceedance
MW-85D	A7D	Radium 226 + Radium 228, total	pCi/L	04/12/16 - 09/16/24	22	0	CI around mean	0.785	5	MCL/HBL	No Exceedance
MW-85D	A7	Selenium	mg/L	04/12/16 - 02/20/24	21	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85D	A7D	Selenium	mg/L	04/12/16 - 09/16/24	22	95	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85D	A7	Thallium	mg/L	04/12/16 - 02/20/24	20	100	All ND - Last	0.001	0.002	MCL/HBL	No Exceedance
MW-85D	A7D	Thallium	mg/L	04/12/16 - 09/16/24	21	100	All ND - Last	5e-04	0.002	MCL/HBL	No Exceedance
MW-85E	A7	Antimony	mg/L	04/11/16 - 02/19/24	20	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85E	A7D	Antimony	mg/L	04/11/16 - 09/17/24	21	95	CB around T-S line	0.00100	0.006	MCL/HBL	No Exceedance
MW-85E	A7	Arsenic	mg/L	04/11/16 - 02/19/24	21	0	CI around geomean	0.00938	0.120	Background	No Exceedance
MW-85E	A7D	Arsenic	mg/L	04/11/16 - 09/17/24	22	0	CI around median	0.00880	0.120	Background	No Exceedance
MW-85E	A7	Barium	mg/L	04/11/16 - 02/19/24	21	0	CB around linear reg	0.0475	2.0	MCL/HBL	No Exceedance
MW-85E	A7D	Barium	mg/L	04/11/16 - 09/17/24	22	0	CB around linear reg	0.0456	2.0	MCL/HBL	No Exceedance
MW-85E	A7	Beryllium	mg/L	04/11/16 - 02/19/24	20	95	CI around median	0.00100	0.00410	Background	No Exceedance
MW-85E	A7D	Beryllium	mg/L	04/11/16 - 09/17/24	21	95	CI around median	0.00100	0.00410	Background	No Exceedance
MW-85E	A7	Cadmium	mg/L	04/11/16 - 02/19/24	20	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-85E	A7D	Cadmium	mg/L	04/11/16 - 09/17/24	21	95	CI around median	0.00100	0.005	MCL/HBL	No Exceedance
MW-85E	A7	Chromium	mg/L	04/11/16 - 02/19/24	20	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-85E	A7D	Chromium	mg/L	04/11/16 - 09/17/24	21	95	CB around T-S line	0.00100	0.181	Background	No Exceedance
MW-85E	A7	Cobalt	mg/L	04/11/16 - 02/19/24	21	76	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85E	A7D	Cobalt	mg/L	04/11/16 - 09/17/24	22	73	CI around median	0.00100	0.006	MCL/HBL	No Exceedance
MW-85E	A7	Fluoride	mg/L	04/11/16 - 02/19/24	23	39	CI around median	0.240	4.0	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Well ID	Event ID	Parameter	Unit	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	SSL Type
MW-85E	A7D	Fluoride	mg/L	04/11/16 - 09/17/24	24	42	CI around median	0.240	4.0	MCL/HBL	No Exceedance
MW-85E	A7	Lead	mg/L	04/11/16 - 02/19/24	21	95	CB around T-S line	0.00100	0.015	MCL/HBL	No Exceedance
MW-85E	A7D	Lead	mg/L	04/11/16 - 09/17/24	22	95	CI around median	0.00100	0.015	MCL/HBL	No Exceedance
MW-85E	A7	Lithium	mg/L	04/11/16 - 02/19/24	21	0	CB around T-S line	0.00721	0.04	MCL/HBL	No Exceedance
MW-85E	A7D	Lithium	mg/L	04/11/16 - 09/17/24	22	0	CB around T-S line	0.00725	0.04	MCL/HBL	No Exceedance
MW-85E	A7	Mercury	mg/L	04/11/16 - 02/19/24	20	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-85E	A7D	Mercury	mg/L	04/11/16 - 09/17/24	21	95	CI around median	0.000200	0.002	MCL/HBL	No Exceedance
MW-85E	A7	Molybdenum	mg/L	04/11/16 - 02/19/24	21	48	CB around linear reg	0.0443	0.1	MCL/HBL	No Exceedance
MW-85E	A7D	Molybdenum	mg/L	04/11/16 - 09/17/24	22	45	CB around linear reg	0.0398	0.1	MCL/HBL	No Exceedance
MW-85E	A7	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 02/19/24	21	0	CI around geomean	0.641	5	MCL/HBL	No Exceedance
MW-85E	A7D	Radium 226 + Radium 228, total	pCi/L	04/11/16 - 09/17/24	22	0	CI around geomean	0.655	5	MCL/HBL	No Exceedance
MW-85E	A7	Selenium	mg/L	04/11/16 - 02/19/24	21	86	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85E	A7D	Selenium	mg/L	04/11/16 - 09/17/24	22	86	CB around T-S line	0.00100	0.05	MCL/HBL	No Exceedance
MW-85E	A7	Thallium	mg/L	04/11/16 - 02/19/24	20	95	CI around median	0.000500	0.002	MCL/HBL	No Exceedance
MW-85E	A7D	Thallium	mg/L	04/11/16 - 09/17/24	21	95	CI around median	0.000500	0.002	MCL/HBL	No Exceedance

TABLE 6
DETERMINATION OF STATISTICALLY SIGNIFICANT LEVELS
2024 ANNUAL GROUNDWATER MONITORING REPORT
BIG CAJUN II
BOTTOM ASH AND FLY ASH BASINS
NEW ROADS, LA

Notes:
Event IDs:
- A7 = Quarter 1, 2024 Assessment Monitoring sampling event
- A7D = Quarter 3, 2024 Assessment Monitoring sampling event

ID = identification
ND = non-detect
mg/L = milligrams per liter
pCi/L = picocuries per liter
Statistically Significant Level (SSL) Type:
- No Exceedance: No exceedance of the GWPS.

GWPS = Groundwater Protection Standard
GWPS Source:
- Background = background concentration
- MCL/HBL = maximum contaminant level/health-based level

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown.
- CB around linear reg = Confidence band around linear regression
- CB around T-S line = Confidence band around Thiel-Sen line
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median

Statistical Result = calculated in accordance with Statistical Analysis Plan using constituent concentrations observed at monitoring well during all sampling events within the specified date range