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October 31, 2025

Ms. Yolunda M. Righteous, J.D.
Administrator
Louisiana Department of Environmental Quality
Waste Permits Division
602 N. 5th Street
Baton Rouge, Louisiana 70802

Re: Closure Certification Report
Bottom Ash Ponds
GD-031-1551 / P-0037
DeSoto Parish
Cleco Power LLC - Dolet Hills Power Station
Agency Interest No.: 585
Activity No.: PER20010002

Dear Ms. Righteous:

On behalf of Cleco Power LLC (Cleco), AECOM is providing the Closure Certification Report for the Bottom Ash Ponds.

Cleco appreciates working with LDEQ on this project. If you have any questions please contact Mr. Sam Wise at 318-484-7739 or via email at Samuel.Wise@Cleco.com.

Sincerely,

AECOM

Angela Harrigal, P.E.
Project Manager, Environment
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Attachment – Closure Certification Report

cc: Samuel Wise, Manager-Waste & Water Quality – Cleco
Denise Radaich – GeoEngineers
Chelsi Parker – LDEQ
David Mata – LDEQ
Madeline Abernethy – LDEQ

ATTACHMENT 1 - Closure Certification Report

Bottom Ash Ponds

CLOSURE CERTIFICATION REPORT
BOTTOM ASH PONDS
CLECO DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

SOLID WASTE ID NO. GD-031-1551
ACTIVITY NO. PER 20010002
PERMIT NO. P-0037
AI NO. 585

Prepared for
Cleco Power LLC
Dolet Hills Power Station
Mansfield, Louisiana

October 31, 2025

AECOM

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Cleco Power LLC (Cleco) ceased operation of all coal-fired processes at the Dolet Hills Power Station (Dolet Hills) (**Figure 1**) on December 31, 2021 and begun closure of the solid waste surface impoundments at the plant shortly thereafter. During operation, Dolet Hills operated an ash handling wastewater collection system that contained three permitted solid waste units, Ash Basin 1, Ash Basin 2, and the Secondary Pond, collectively referred to as the Bottom Ash Ponds. These three units were Type 1 solid waste surface impoundments and permitted under Solid Waste Permit No. P-0037.

Primarily, Ash Basins 1 and 2 stored bottom ash laden sluice water from the ash handling system and smaller influent streams that included treated plant sanitary sewage system effluent and water purification flush effluent. Solids were periodically dewatered, removed from the basins and either placed in the onsite landfill or transported offsite as a beneficial use material. The Secondary Pond stored water overflow from the two basins. Ash Basin 1 had an operational storage capacity of 83.4 million gallons over an area of about 25.5 acres, and Ash Basin 2 had a capacity of 83.4 million gallons over an area of about 26 acres. The Secondary Pond had a storage capacity of 17.6 million gallons over an area of about 5 acres.

This Closure Certification Report (CCR) has been prepared to document that the bottom ash ponds were closed in accordance with the LDEQ approved Closure Plan and with the solid waste regulations LAC 33:VII.713.E. The CCR contains the following information:

- Bottom ash pond regulatory history;
- Closure approach;
- Closure activities;
- Soil analytical results;
- Groundwater analytical results; and
- Closure certification.

The tables, figures and appendices provide supporting information and should be referenced as required.

1.1 REGULATORY HISTORY

The bottom ash ponds were constructed in 1984 for storage of plant inflows including sluiced ash and permitted in May 1985 under the Louisiana Solid Waste regulations. The layout of the ponds is shown in **Figure 2**.

The bottom ash ponds were constucted using in-situ soil that was recompacted into clay liners and were continously operated under solid waste permit P-0037. The Solid Waste permit was updated in 1994 and 2007 by Mandatory Modifications and additional information was provided to LDEQ in 2010. On June 29, 2010, LDEQ issued a letter approving the mandatory modification documents.

On October 27, 2021, Cleco provide a Notice of Intent to Close for the Bottom Ash Ponds. A Closure Plan for the Bottom Ash Ponds was prepared and submitted on July 14, 2022 and subseqently revised to incorporate comments received from LDEQ and resubmitted on July 29, 2022. LDEQ issued a Notices of Deficiency (NOD) for the closure plan on October 17, 2022 and an Addendum to the Bottom Ash Ponds Closure Plan was submitted on February 6, 2023. LDEQ issued NOD #2 on May 8, 2023 and the response to NOD #2 was submitted to LDEQ on June 12, 2023. LDEQ approved the Closure Plan on September 12, 2023.

The objective of the closure of the bottom ash ponds was to:

- Provide protection for human health and the environment and prevent releases from the closed solid waste surface impoundment; and

- Close the impoundments consistent with the requirements of LAC 33:VII.713.E.3, using clean-closure or risk-based closure.

The closure of the bottom ash ponds was conducted in accordance with the LDEQ approved Closure Plan and regulatory requirements. Cleco contracted Charah, LLC (Charah) to complete the closure of the bottom ash ponds. Prior to beginning closure activities, the following were completed: preparing a health and safety plan, submitting notifications to LDEQ, and installing sediment and erosion control measures. LDEQ was notified in an October 27, 2021 correspondence that closure activities were beginning.

The activities involved in the bottom ash ponds closure included:

- Pumping of free water;
- Dewatering and transporting dewatered ash;
- Removing piping or structures;
- Collecting soil confirmation samples from bottom and sidewalls of the ponds;
- Installing temporary monitor wells and collecting groundwater samples from the ponds;
- Grading site soils; and
- Hydroseeding.

During closure, the Office of Environmental Services was notified in a September 22, 2023 letter that soil confirmation samples would be collected on September 25 and 26, 2023 and groundwater confirmation samples would be collected during the week of October 16, 2023. Soil samples were collected on September 25, 2023 for Ash Basins 1 and 2, and on October 5 for the Secondary Pond. Temporary wells were installed from October 16, 2023 to October 18, 2023, and groundwater samples were collected from October 17, 2023 to October 19, 2023. Photographs of the site work are provided in **Appendix B**.

3.1 PUMPING OF FREE WATER

Charah pumped standing water from the ash basins to the Secondary Pond where it was pumped to the permitted LPDES outfall. Ash Basin 2 was initially pumped down from May 19, 2022 until June 7, 2023 and continued throughout the closure as required. Dewatering of Ash Basin 1 began on May 23, 2022, and continued through June 29, 2023. Shallow ditches and channels were cut to facilitate drainage and release free water to flow to the pumps. Pumping from the Secondary Pond began on December 21, 2022 until September 21, 2023.

3.2 DEWATERING AND TRANSPORTING DEWATERED ASH

Dewatering of ash material continued throughout ash removal and included cutting shallow drainage ditches, stacking, and moving material to release water. The released water was pumped to the Secondary Pond then to the permitted outfall. Additional dewatering began in Ash Basin 2 on May 10, 2022, moved to Ash Basin 1 on July 21, 2022, and continued in the Secondary Pond on January 15, 2023.

Dewatered bottom ash was transported to the onsite landfill as follows:

- Ash Basin 2 – 376,155 tons from May 25, 2022 until June 9, 2023;
- Ash Basin 1 – 316,172 tons from July 26, 2022 until August 7, 2023; and
- Secondary Pond – 76,450 tons from August 10, 2023 until September 21, 2023.

Each impoundment was inspected and if staining/discoloration, residual ash, or soft spots were identified a nominal amount of clay (typically 6-inches or less) was removed.

3.3 SOIL CONFIRMATION SAMPLES

Soil sample locations were selected within each bottom and sidewall sample grid and locations staked with pin flags at the 52 locations (**Figure 3**). Forty-three soil confirmation samples (including 2 duplicate samples, one from each ash basin) were collected from Ash Basins 1 and 2 on September 25, 2023 and 11 soil confirmation samples were collected from the Secondary Pond on October 5, 2023.

Twelve bottom samples and eight sidewall samples were collected in Ash Basin 1, 11 bottom samples and nine sidewall samples were collected in Ash Basin 2, and six bottom samples and five sidewall samples were collected in the Secondary Pond (a duplicate soil sample was collected in Ash Basins 1 and 2). Soil confirmation samples were collected from 0 to 6-inches below ground surface (bgs) using decontaminated stainless-steel trowels.

Soil confirmation samples were analyzed for metals by EPA test method SW-846 Method 6020B. Soil samples were analyzed for the following metals:

- Barium;
- Cobalt;

- Copper;
- Nickel;
- Vanadium; and
- Zinc.

Quality Assurance/Quality Control (QA/QC) samples collected included:

- Duplicate soil samples;
- Matrix spike/matrix spike duplicate (MS/MSD) soil samples; and
- Rinsate samples (liquid).

The rinsate sample was collected from decontaminated stainless-steel trowels used in the Secondary Pond. All sample collection and preparation followed standard procedures such as Chain-of-Custody documentation, sample preservation, sample storage, and sample shipment.

3.4 TEMPORARY MONITOR WELL INSTALLATION AND COLLECTION OF GROUNDWATER SAMPLES

Three temporary monitor wells were installed in Ash Basins 1 and 2 (**Figure 3**). Temporary monitor wells were installed in Ash Basin 2 on October 16, 2023 (ABNO2-TPW2 and ABNO2-TPW3) and October 17, 2023 (ABNO2-TPW1). Three temporary monitor wells (ABNO1-TPW1, ABNO1-TPW2 and ABNO1-TPW3) were installed in Ash Basin 1 on October 18, 2023. On October 17, 2023, several attempts were made to advance borings and install a temporary monitor well in the Secondary Pond. None of these were successful and are discussed further below.

Temporary wells were installed using Geoprobe® direct push technology, at ABNO2-TPW2 rods were advanced to 9-feet below surface and hit refusal. The boring was relocated and advanced to 16 feet bgs, temporary well ABNO2-TPW2 was installed at 15-feet bgs and consisted of a 10-foot pre-packed screen and a 5-foot riser. The boring for temporary monitor well ABNO2-TPW3 was advanced to 15.5 feet bgs and the well was set at 15-feet bgs and consisted of a 10-foot pre-packed screen and a 5-foot riser. Temporary monitor well ABNO2-TPW1 was advanced and installed at 15-feet bgs, set using 10-foot pre-packed screen and 5-foot riser.

Temporary monitor well ABNO1-TPW1 was installed in Ash Basin 1; refusal was hit at 8-feet, and the boring was relocated, refusal hit at 10-feet bgs and the boring location was moved again. The boring at the third location was advanced to 20 feet and the well set at 18-feet bgs. The well consisted of a 10-foot riser and 10-foot pre-packed screen. ABNO1-TPW3 was advanced to 19-feet and a temporary monitor well set at 18-feet bgs that consisted of a 10-foot riser and 10-foot pre-packed screen. ABNO1-TPW2 was advanced to and the well set at 20-feet bgs. The well consisted of a 10-foot riser and 10-foot pre-packed screen.

Three attempts were made to advance a boring in the Secondary Pond. Refusal was hit twice at 14-feet bgs, and a drill rod was broken attempting to go farther into this zone. The zone was not a water bearing zone and no well could be set. A background well OW-21A is located in the levee of the Secondary Pond, the water level was measured at an elevation of about 227-feet. Boring logs and cross-sections from the construction of the bottom ash impoundments were reviewed and the bottom of the Secondary Pond was constructed into the Porters Creek formation, which is a low permeable zone. A temporary monitor well could not be installed into the Porters Creek formation.

All temporary monitor wells were constructed using 1-inch diameter Schedule 40 PVC pipe with 1-inch diameter pre-packed screens. Pre-packed screens are 5-foot in length with 0.010-inch slots and prepacked with 20/40 sand enclosed in a mesh screen. All well sections are threaded, and sections are screwed together to obtain the correct lengths.

The temporary monitor wells were developed by purging with a peristaltic pump. The wells were pumped dry and allowed to recharge. Standard groundwater field paraments of pH, conductivity, temperature, and turbidity were collected and documented on field forms. Well logs can be found in **Appendix A**.

Groundwater samples were collected from the temporary monitor wells in Ash Basin 2 on October 17, 2023 and from Ash Basin 1 on October 18 and 19, 2023. Samples were collected using a peristaltic pump and low-flow collection methods. Standard groundwater field parameters were collected and allowed to stabilize prior to sample collection. Groundwater samples were pumped directly into laboratory supplied containers and analyzed for the following metals:

- Barium;
- Cobalt;

- Copper;
- Nickel;
- Vanadium; and
- Zinc.

Groundwater samples were analyzed using EPA SW-846 Method 6020B. All sample collection and handling followed standard procedures such as Chain-of-Custody documentation, sample preservation, sample storage, and sample shipment. Following collection of groundwater samples, all temporary monitor wells were removed, and each borehole was grouted full depth in accordance with LDEQ and the Louisiana Department of Natural Resources, *Guidance Manual for Environmental Boreholes and Monitoring Systems*, November 2021.

3.5 REMOVING PIPING OR STRUCTURES

Sluice piping, catwalks and other metals structures and equipment was removed from ash basins 1 and 2 and recycled or scrapped. Concrete columns in the basins are being left in-place. The discharge structure in the Secondary Pond is being dismantled; all pumps, piping, appurtenances, and other metal is being taken off site and recycled or scrapped. The concrete spillways, overflows, pump vaults, and other structures were broken into smaller pieces and are stored onsite to be crushed and used at a later time. The existing pipes and culverts between the impoundments were left in place. The pipes between Ash Basin 1 and the Secondary Pond, and between Ash Basin 2 and the Secondary Pond were cut and crimped. The pump station in the Secondary Pond was demolished and removed in January 2024.

3.6 FINAL SITE GRADING

Charah began the final site grading levee breaching for Ash Basin 2 in November 2023, and continued until completion in January 2024. Final site grading and levee breaching for Ash Basin 1 began in April 2024 and continued through September 2024. Levees on the west side of Ash Basin 1 and 2 were cut and graded to match the existing drainage to the west. Side slopes were graded to gradually match the natural contours of the impoundments. The grading facilitated drainage and minimized potential erosion by reducing slopes (see **Figures 4-6; Sheets 7A, 7B, 7C**).

3.7 VEGETATING SOIL LAYER

Initial seeding of the levee cuts for Ash Basin 2 were completed in January 2024, and for Ash Basin 1 in October/November 2024. This seeding was temporary to facilitate drainage and erosion control of the basins. Soil samples for agricultural testing were collected and sent to the LSU Agricultural Center and recommended nutrients, and fertilizer be included in the final hydroseed mixture. The final hydroseeding was completed May thru June 2025 in accordance with the following;

35 # ACRE SHELLED BERMUDA
30 # ACRE BAHIA
30 # ACRE BROWN TOP MILLET
400 # ACRE 13-13-13 FERTILIZER

Erosion control matting was placed on the side slopes and installed according to the manufacturer's recommendations. Vegetation is established and is shown in photographs in **Appendix B**.

4.1 SOIL SAMPLE ANALYTICAL RESULTS

Soil confirmation samples were collected as described above and sent to Pace Analytical Services, LLC (Pace) in Baton Rouge, Louisiana for analysis. All soil samples were collected and analyzed in accordance with *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW-846, 3rd Edition, and subsequent updates). Soil samples were analyzed for metals using EPA Method 6020B.

The soil sample analytical results were compared to the RECAP screening standard for surface soil concentrations protective of human health for non-industrial land use (Soil_SSni). Analytical results for each impoundment are shown on **Tables 1 through 3**. Metals were not detected above the RECAP screening standards in any of the samples.

QA/QC samples were collected to assess the potential for contamination of samples due to field activities and/or handling and transport, and to evaluate the precision and accuracy of the analytical data from the off-site laboratory. The QA/QC samples included field duplicate samples to evaluate sample-to-sample analytical precision. Matrix spike and matrix spike duplicates are used to evaluate the method performance and measure the potential bias and precision of results. A rinsate was collected to evaluate possible contamination of a sample that may be related to equipment decontamination and sample handling procedures. The analytical data reports are presented in **Appendix C**.

4.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater confirmation samples were collected as described above and sent to Pace in Baton Rouge, Louisiana for analysis. All groundwater samples were collected and analyzed in accordance with *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW-846, 3rd Edition, and subsequent updates). Groundwater samples were analyzed for site specific RECAP metals using EPA Method 6020B.

The groundwater sample analytical results were compared to RECAP screening standards for groundwater (GW_{SS}). Nickel at a concentration of 0.0818 mg/L in temporary monitor well ABNO1-TPW1 (Ash Basin No. 1) was above the RECAP screening standard of 0.073 mg/L. The groundwater concentration was compared to the RECAP Management Options 1, 2, and 3 for Groundwater (GW_2), see **Table 4**. The GW_2 for nickel is 0.73 mg/L and the analytical result from ABNO1-TPW1 is below this standard.

QA/QC samples were collected to assess the potential bias and precision of results. The analytical data reports are presented in **Appendix C**.

Cleco is requesting approval to terminate the groundwater monitoring program associated with the bottom ash ponds (permit P-0037) and plug and abandon the following compliance wells: OW-16, OW-17A, OW-18, OW-31, OW-32. Cleco will request approval to plug and abandon the background wells upon completion of closure of the other permitted solid waste impoundments.

Plugging and abandonment will be in accordance with the LAC 56 Chapter 5, LAC Title 33 and the *Guidance Manual for Environmental Boreholes and Monitoring Systems*.

This Certification of Closure Report certifies that the closure activities at the Cleco Power Bottom Ash Ponds located in Mansfield, Louisiana were conducted in accordance with the LDEQ approved closure plan.

The Bottom Ash Ponds permitted as solid waste impoundments under permit P-0037 have been closed in accordance with solid waste regulations LAC 33:VII.713.E.3 and do not require post-closure care or monitoring, or filing of a conveyance notification in the parish records.

Engineering Certification
For Cleco
Dolet Hills Power Station
A.I. No. 585

I hereby certify, as a Professional Engineer in the State of Louisiana, that the information in this document was assembled under my direct personal charge, and I have personally examined, and I am familiar with the information submitted in this closure certification report. This report meets the requirements of LAC 33: VII. 33:VII.713.E. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment. This report is not intended or represented to be suitable for reuse by the Cleco Corporation or others without specific verification or adaptation by the Engineer.

Angela G. Harrigal, PE

Date: Oct. 31, 2025 Registration No.: 46684 State: Louisiana

TABLES

Table 1
Confirmation Soil Sample Analytical Results
Ash Basin No. 1
Dolet Hills Power Station
Cleco
Mansfield, Louisiana

Sample Identification	RECAP Soil Screening Non-Industrial Soil_ss_{ni} (mg/kg)	ABNO1-BTM1-06-SO-092523	ABNO1-BTM2-06-SO-092523	ABNO1-BTM3-06-SO-092523	ABNO1-BTM4-06-SO-092523	ABNO1-BTM5-06-SO-092523	ABNO1-BTM6-06-SO-092523	ABNO1-BTM7-06-SO-092523	ABNO1-BTM8-06-SO-092523	ABNO1-BTM9-06-SO-092523	ABNO1-BTM10-06-SO-092523	ABNO1-BTM11-06-SO-092523	ABNO1-BTM12-06-SO-092523	ABNO1-SW1-06-SO-092523	ABNO1-SW2-06-SO-092523	ABNO1-SW3-06-SO-092523	ABNO1-SW4-06-SO-092523	ABNO1-SW5-06-SO-092523	ABNO1-SW6-06-SO-092523	ABNO1-SW7-06-SO-092523	ABNO1-SW8-06-SO-092523	ABNO1-SW8-06-DUP-092523
Sample Date		9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023
Parameter																						
Barium	550	89.2	94.2	40.8	62.3	31.7	83.1	90.2	58.8	39.3	99.7	63.9	61.6	74	63.6	106	39.3	150	69.4	27.6	85.3	85.9
Cobalt	470	17.9	26.3	3	4.8	3.4	10.5	9.2	2.9	5.2	10.7	42.3	4.9	8.5	4.6	8.6	5.3	6.4	10.7	2.1	7.8	10.5
Copper	310	3.5	9.1	3.1	4.2	2.9	7.6	9.1	4.8	5.2	6.5	9.2	4.7	9.4	3.3	13.6	4.3	8.3	3.9	2.2	5.5	10.4
Nickel	160	7.9	18.6	6.3	6.7	3.9	15.4	22.4	5.8	7.5	16.1	17.2	7.2	22.3	9.8	23.1	6.6	12	15.6	7.4	12.9	21.7
Vanadium	55	16.1	47.9	19.4	12.7	19.5	11.4	18.7	14.5	14	18.9	51.1	20.4	14.2	31.5	20.3	24.5	23.3	15.5	8.4	15.7	17.3
Zinc	2,300	14.3	45.9	11.1	21.2	9.5	43.8	56.8	20.5	25.1	37.9	40.6	19.7	59.1	14.7	86	17.7	32.4	22.7	24.1	34.6	54.9

Notes:
RECAP - Risk Evaluation/Corrective Action Program, Louisiana Department of Environmental Quality, October 20, 2003.
BOLD text indicates analytical results are above the RECAP Soil Screening Standard (Soil_SSni) for non-industrial land use.
mg/kg - milligrams per kilogram.
DUP - Duplicate Sample.
[1] Indicates the soil analtyical result from a resampled grid after being further excavated.

Table 2
Confirmation Soil Sample Analytical Results
Ash Basin No. 2
Dolet Hills Power Station
Cleco
Mansfield, Louisiana

Sample Identification	RECAP Soil Screening Standard Non-Industrial Soil_ss_{ni} (mg/kg)	ABN02-BTM1-06-SO-092523	ABN02-BTM2-06-SO-092523	ABN02-BTM3-06-SO-092523	ABN02-BTM4-06-SO-092523	ABN02-BTM5-06-SO-092523	ABN02-BTM6-06-SO-092523	ABN02-BTM7-06-SO-092523	ABN02-BTM8-06-SO-092523	ABN02-BTM8-06-DUP-092523	ABN02-BTM9-06-SO-092523	ABN02-BTM10-06-SO-092523	ABN02-BTM11-06-SO-092523	ABN02-SW1-06-SO-092523	ABN02-SW2-06-SO-092523	ABN02-SW3-06-SO-092523	ABN02-SW4-06-SO-092523	ABN02-SW5-06-SO-092523	ABN02-SW6-06-SO-092523	ABN02-SW7-06-SO-092523	ABN02-SW8-06-SO-092523	ABN02-SW9-06-SO-092523
Sample Date		9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023	9/25/2023
Parameter																						
Barium	550	104	36.7	81.4	47.1	173	72.2	139	47.6	41.3	38.1	118	69.2	136	24.9	101	55.3	173	40.7	37.7	70.6	55.4
Cobalt	470	8	4.9	4	4.2	16.6	6.6	4.8	3.7	4.2	3.7	8.5	4.6	9.7	5	5.7	2.6	19.2	2.7	2.3	6.9	5.3
Copper	310	6.6	3.7	4.6	5.5	4.4	4.5	9	5	4.6	3.8	5.7	6.7	7.7	6	7.3	5.2	5	6.6	4.5	4.9	4.8
Nickel	160	18	17.5	7.7	10.3	52.4	7.3	14.6	11.7	11.3	7.6	11.3	9.4	23.4	11.1	12.5	5.4	17	8.4	5.6	16.6	8
Vanadium	55	15.7	29.2	19.3	25.6	33.1	14	25.4	18.2	16.7	10.5	21.8	21.8	14.3	14.3	17.4	21.7	12.3	25.3	7.5	14.2	23.4
Zinc	2,300	47.3	25.7	15.7	21.8	57.2	18.7	30.9	23.2	23.2	21.3	23.3	24.8	46.7	32.6	36.7	13.2	36	23.5	19.1	42.5	22.1

Notes:
RECAP - Risk Evaluation/Corrective Action Program, Louisiana Department of Environmental Quality, October 20, 2003.
BOLD text indicates analytical results are above the RECAP Soil Screening Standard (Soil_SSni) for non-industrial land use.
mg/kg - milligrams per kilogram.
DUP - Duplicate Sample.
[1] Indicates the soil analytical result from a resampled grid after being further excavated.

Table 3
Confirmation Soil Sample Analytical Results
Secondary Pond
Dolet Hills Power Station
Cleco
Mansfield, Louisiana

Sample Identification	RECAP Soil Screening Standard Non-Industrial Soil_ss_{ni} (mg/kg)	SPOND-BTM1-06-SO-100523	SPOND-BTM2-06-SO-100523	SPOND-BTM3-06-SO-100523	SPOND-BTM4-06-SO-100523	SPOND-BTM5-06-SO-100523	SPOND-BTM6-06-SO-100523	SPOND-SW1-06-SO-100523	SPOND-SW2-06-SO-100523	SPOND-SW3-06-SO-100523	SPOND-SW4-06-SO-100523	SPOND-SW5-06-SO-100523
Sample Date		10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023
Parameter												
Barium	550	157	66.4	166	73.5	92.3	76.8	66.3	109	72.9	93.2	77.1
Cobalt	470	11	10.1	9.7	8.7	8.1	8	9.1	9.2	8.4	10.1	9.2
Copper	310	11.6	11.6	18.1	8.8	9.1	8.9	11.3	11.7	8.8	10.5	11.7
Nickel	160	22.1	24.4	25.2	22.6	17.9	19.5	25.3	22.2	19.9	22.9	21
Vanadium	55	19.4	16.4	23.1	15.3	17.2	14.6	15.7	17.2	14.1	17.4	15.8
Zinc	2,300	71.8	76.1	159	63.7	54.6	56.6	66.7	67.7	59.4	66.2	72

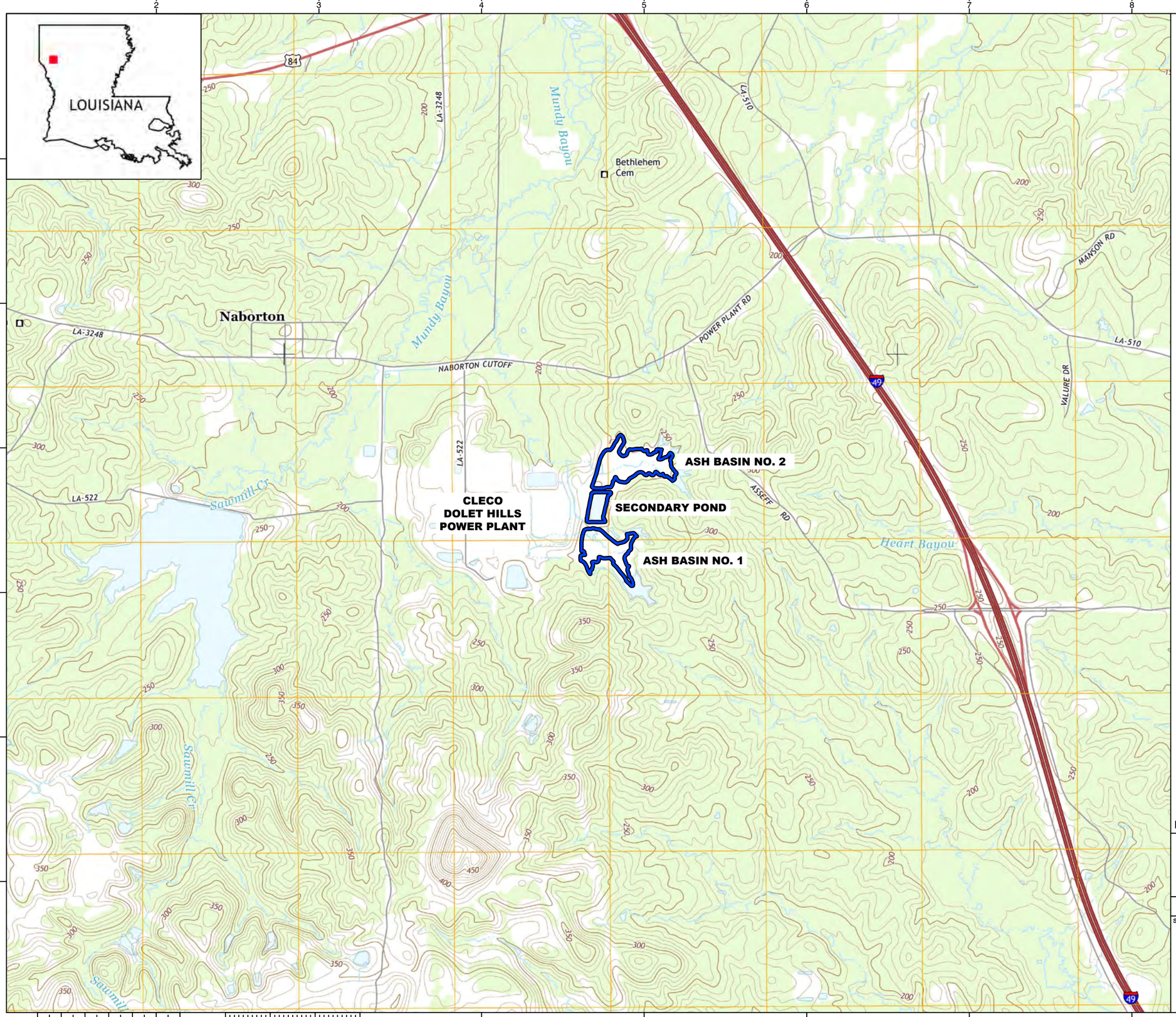
Notes:
RECAP - Risk Evaluation/Corrective Action Program, Louisiana Department of Environmental Quality, October 20, 2003.
BOLD text indicates analytical results are above the RECAP Soil Screening Standard (Soil_SSni) for non-industrial land use.
mg/kg - milligrams per kilogram.
DUP - Duplicate Sample.
[1] Indicates the soil analytical result from a resampled grid after being further excavated.

Table 4
Confirmation Groundwater Sample Analytical Results
Bottom Ash Ponds
Dolet Hills Power Station
Cleco
Mansfield, Louisiana

Sample Identification	RECAP Groundwater Screening Grounwater_ss (mg/L)	RECAP Management Option 1, 2 and 3 Standards for Groundwater GW_2 (mg/L)	ABN01-TPW1	ABN01-TPW2	ABN01-TPW3	ABN02-TPW1	ABN02-TPW2	ABN02-TPW3
Sample Date			10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/17/2023
Sample Location			Ash Basin No. 1			Ash Basin No. 2		
Parameter								
Barium	2	2	0.11	0.118	0.199	0.124	0.0741	0.0681
Cobalt	0.22	2.2	0.027	0.0323	0.0132	0.0239	0.0023	0.0351
Copper	1.3	1.3	0.0049	0.0464	0.0061	0.0016	ND	0.0048
Nickel	0.073	0.73	*0.0818*	0.0588	0.0324	0.0276	0.0034	0.0241
Vanadium	0.026	0.26	0.0028	0.0091	0.0014	0.0023	ND	0.0078
Zinc	1.1	11	ND	0.124	ND	ND	ND	ND

Notes:
RECAP - Risk Evaluation/Corrective Action Program, Louisiana Department of Environmental Quality, October 20, 2003.
Italics text indicates analytical results are above the RECAP Groundwater Screening Standards (RECAP Table 1), but are below the GW_2 Standard in Table 3.
mg/L - milligrams per liter.
ND - Not detected at or above the adjusted reporting limit.

FIGURES



0 2,000' 4,000' 6,000'

GRAPHIC SCALE (IN FEET)

REFERENCE : USGS 7.5 Minute Quad(s) Bayou Pierre Lake, LA. 2015

AECOM

TITLE

VICINITY MAP

BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR

ISSUED FOR APPROVAL

SEAL

CLECO

SCALE:		DES: AGH
DWG TYPE: .DWG		DFTR: AGH
JOB NO: 60639309		CHKD: PDR
DATE: 10/31/2025		ENGR: AGH
FILENAME: 60639309-001 CLECO ASH-P_CLOSURE PLAN.DWG		APPD: AGH
DWG SIZE	DRAWING NO.	REVISION
11.0" x 17.0"	Figure 1	A

REV. A

0 INCHES 1 2 3 — TENTHS 10 20 30

REV. A

0 400' 800' 1,200'

GRAPHIC SCALE (IN FEET)

AECOM	TITLE: SITE LOCATION MAP BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT DOLET HILLS POWER STATION MANSFIELD, LOUISIANA	
	FOR: ISSUED FOR APPROVAL	
SEAL	CLECO	SCALE: / DES: AGH DWG TYPE:.DWG / DFTR: AGH JOB NO: 60639309 / CHKD: PDR DATE: 10/31/2025 / ENGR: AGH FILENAME: 60639309-001 CLECO ASH-P_CLOSURE PLAN.DWG / APPD: AGH
DWG SIZE: 11.0" x 17.0"	DRAWING NO.: Figure 2	REVISION: A

0 INCHES 1 2 3 — TENTHS 10 20 30

REV. A

0 | 320' | 640' | 960'

GRAPHIC SCALE (IN FEET)

LEGEND:

- ● SAMPLE LOCATION
- — — SAMPLING GRID

TITLE	SOIL CONFIRMATION SAMPLING LOCATION BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT DOLET HILLS POWER STATION MANSFIELD, LOUISIANA
FOR	ISSUED FOR APPROVAL
SCALE:	
DWG TYPE:	.DWG
JOB NO:	60639309
DATE:	10/31/2025
DES:	AGH
DFTR:	AGH
CHKD:	PDR
ENGR:	AGH
APPD:	AGH
FILENAME:	60639309-001 CLECO ASH-P CLOSURE PLAN.DWG
DWG SIZE	11.0" x 17.0"
DRAWING NO.	Figure 3
REVISION	A

SEAL

AECOM

CLECO

REV. A

LEGEND

- FINAL MAJOR CONTOUR (10')
- FINAL MINOR CONTOUR (2')
- ASH LIMITS

N

0 100 200 300
GRAPHIC SCALE (IN FEET)

AECOM

TITLE
BOTTOM ASH POND 2 FINAL GRADE
BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR
ISSUED FOR APPROVAL

SEAL

CLECO

SCALE:	DES:	AGH
DWG TYPE:.DWG	DFTR:	AGH
JOB NO: 60639309	CHKD:	PDR
DATE: 10/31/2025	ENGR:	AGH
FILENAME: PTOC_ASH BASIN.DWG	APPD:	AGH

DWG SIZE	DRAWING NO.	REVISION
11.0" x 17.0"	Figure 4	A

4 REV. A

C:\Users\agelb.kampf\AECOM\CLECO Dolet Demolition Project - General\605-Construction Support - Pond Closure\604-Closure Documentation_Bottom Ash Ponds\Figures\PTOC_ASH BASIN.dwg, User:angelb.kampf, Nov 03, 2025 - 1:36pm

LEGEND

- FINAL MAJOR CONTOUR (10')
- FINAL MINOR CONTOUR (2')
- ASH LIMITS

N

0 80 160 240
GRAPHIC SCALE (IN FEET)

AECOM

TITLE

ASH BASIN FINAL GRADE

BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR
ISSUED FOR APPROVAL

SEAL

CLECO

SCALE:	DES: AGH	
DWG TYPE:.DWG	DFTR: AGH	
JOB NO: 60639309	CHKD: PDR	
DATE: 10/31/2025	ENGR: AGH	
FILENAME: PTOC_ASH BASIN.DWG	APPD: AGH	
DWG SIZE	DRAWING NO.	REVISION
11.0" x 17.0"	Figure 5	A

LEGEND

- 270 — FINAL MAJOR CONTOUR (10')
- 270 — FINAL MINOR CONTOUR (2')
- ASH LIMITS

N

0 100 200 300
GRAPHIC SCALE (IN FEET)

AECOM

TITLE
BOTTOM ASH POND 1 FINAL GRADE

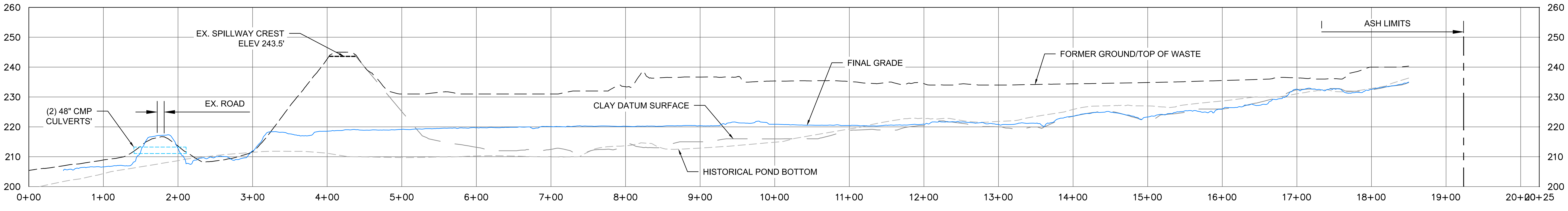
BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR
ISSUED FOR APPROVAL

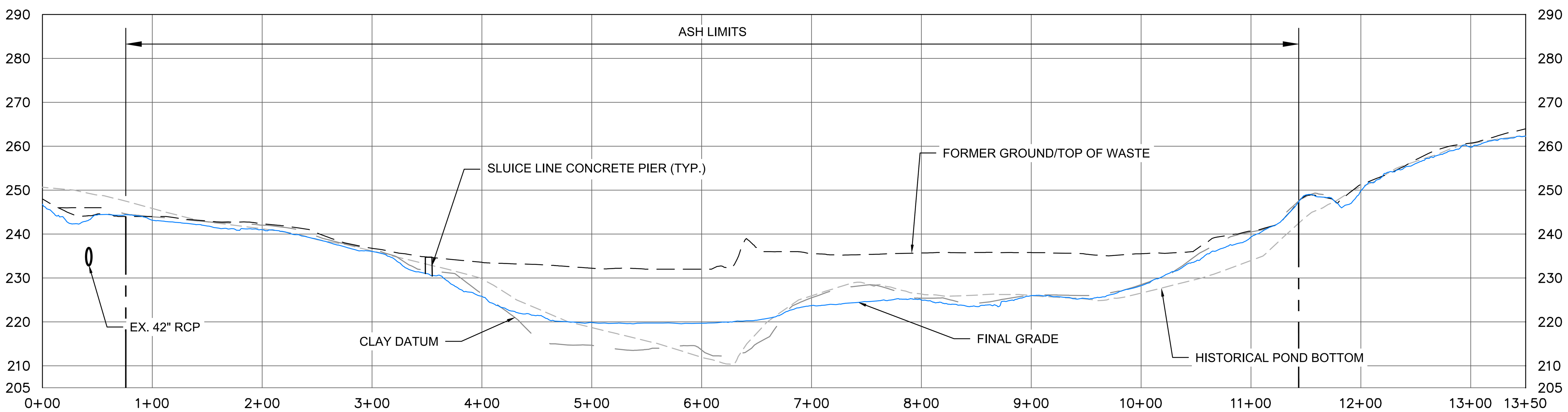
SEAL

CLECO

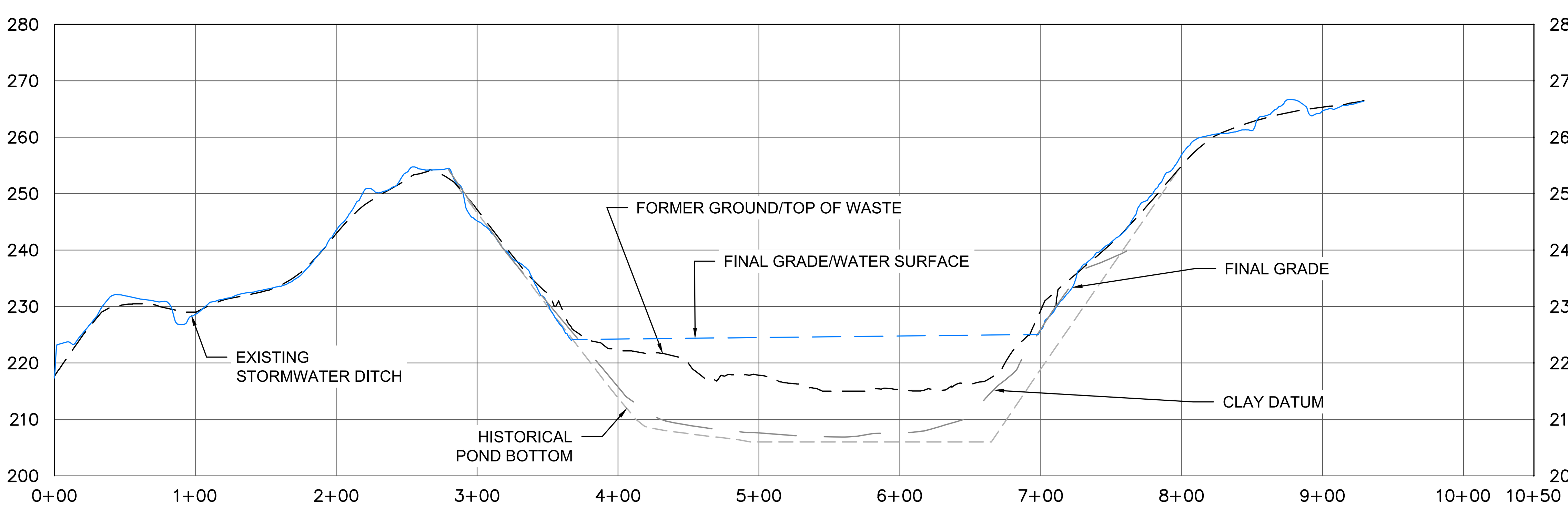
SCALE:	DES: AGH	
DWG TYPE:.DWG	DFTR: AGH	
JOB NO: 60639309	CHKD: PDR	
DATE: 10/31/2025	ENGR: AGH	
FILENAME: PTOC_ASH BASIN.DWG	APPD: AGH	
DWG SIZE: 11.0" x 17.0"	DRAWING NO.: Figure 6	REVISION: A



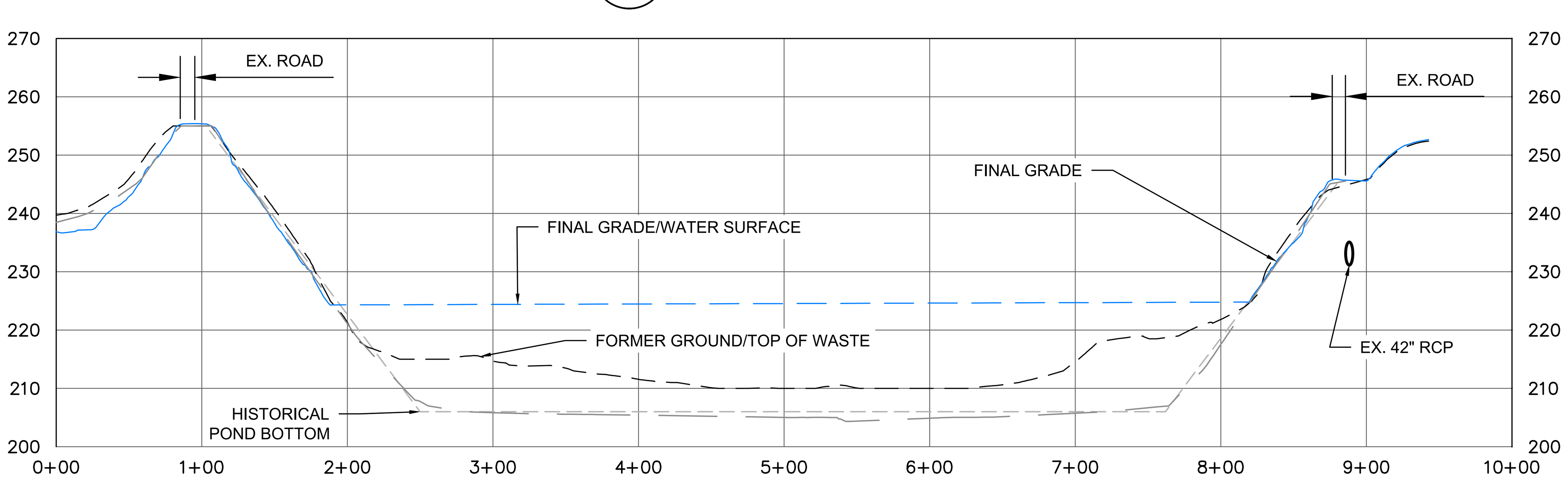
A 004 **BOTTOM ASH POND 2**



B 005 **BOTTOM ASH POND 2**



C 006 **SECONDARY POND**



D 006 **SECONDARY POND**

LEGEND

- FORMER GROUND/TOP OF WASTE
- HISTORICAL POND BOTTOM
- FINAL GRADE (MARCH 2025)
- CLAY DATUM SURFACE (DECEMBER 2022)
- ASH LIMITS

HORIZONTAL SCALE 0 80 160 240 (IN FEET)

VERTICAL SCALE 0 20 40 60 (IN FEET)

AECOM

TITLE
CROSS SECTIONS - BOTTOM ASH POND 2 & SECONDARY POND
BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR
ISSUED FOR APPROVAL

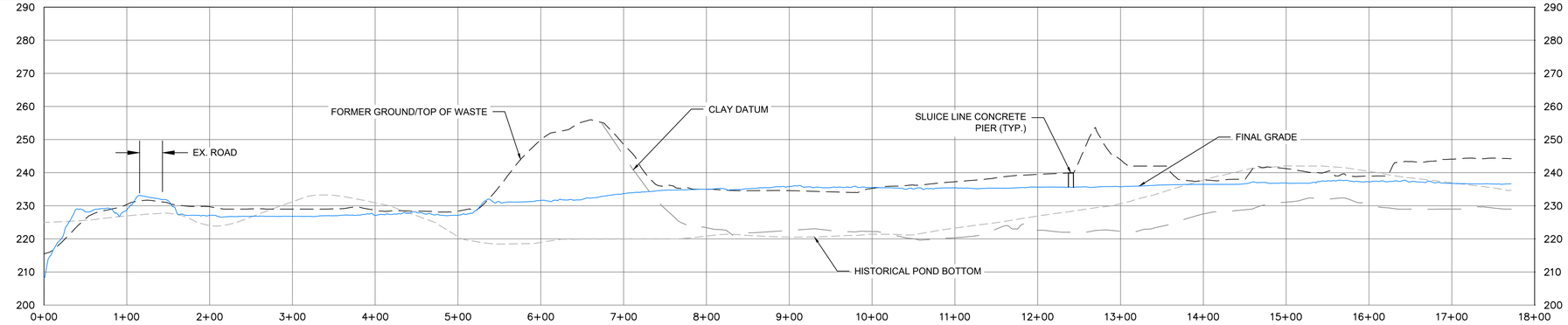
SEAL

CLECO

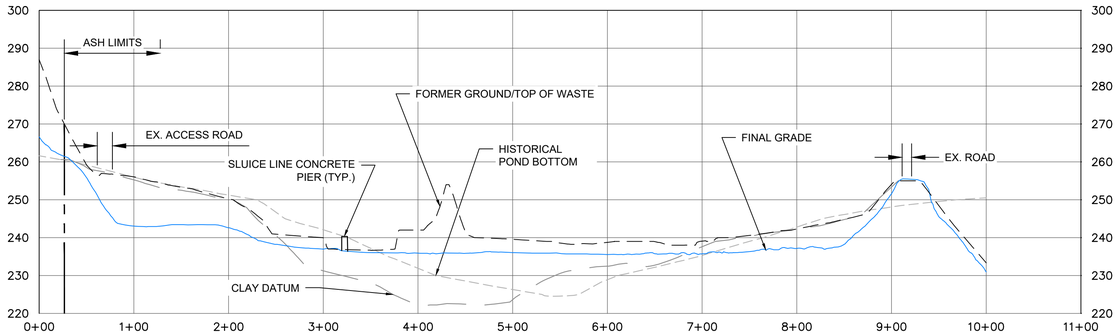
SCALE:	DES: AGH
DWG TYPE: .DWG	DFTR: AGH
JOB NO: 60639309	CHKD: PDR
DATE: 10/31/2025	ENGR: AGH
FILENAME: CROSS SECTIONS.DWG	APPD: AGH

DWG SIZE	DRAWING NO.	REVISION
11.0" x 17.0"	Figure 7	A

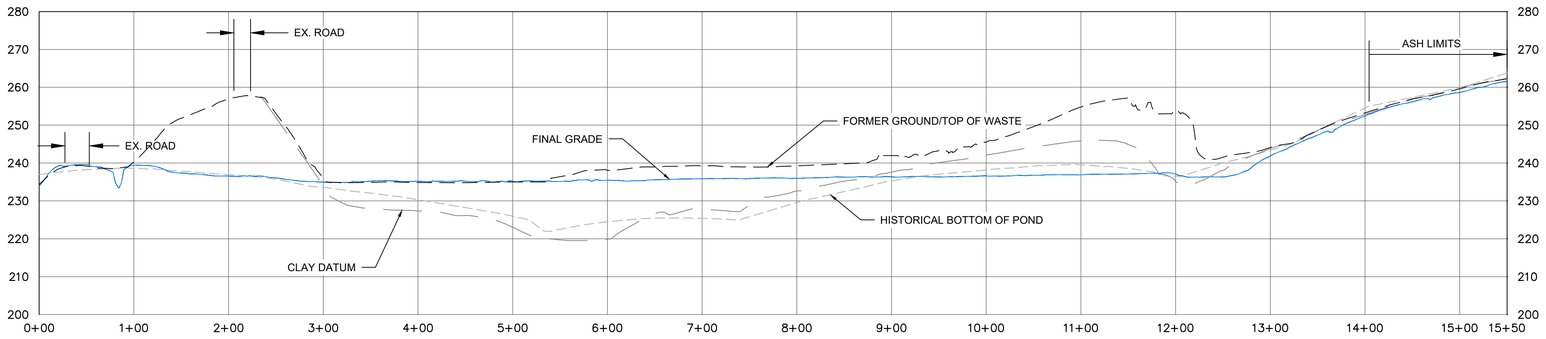
REV. A



E 005C **BOTTOM ASH POND 1**



F 005C **BOTTOM ASH POND 1**



G 005C **BOTTOM ASH POND 1**

LEGEND

- FORMER GROUND/TOP OF WASTE
- HISTORICAL POND BOTTOM
- FINAL GRADE (MARCH 2025)
- CLAY DATUM SURFACE (DECEMBER 2022)
- ASH LIMITS

0 80 160 240
HORIZONTAL SCALE (IN FEET)

0 20 40 60
VERTICAL SCALE (IN FEET)

AECOM

TITLE
CROSS SECTIONS - BOTTOM ASH POND 1

BOTTOM ASH PONDS CLOSURE PLAN CERTIFICATION REPORT
DOLET HILLS POWER STATION
MANSFIELD, LOUISIANA

FOR
ISSUED FOR APPROVAL

SEAL

CLECO

SCALE:		DES: AGH
DWG TYPE:.DWG		DFTR: AGH
JOB NO: 60639309		CHKD: PDR
DATE: 10/31/2025		ENGR: AGH
FILENAME: CROSS SECTIONS.DWG		APPD: AGH
DWG SIZE	DRAWING NO.	REVISION
11.0" x 17.0"	Figure 8	A

APPENDIX A

TEMPORARY WELL LOGS

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Key to Log of Boring

Elevation, feet	Depth, feet	SAMPLES: Type	SAMPLES: Number	SAMPLES: Sampling Resist. Blows/6" OR CORE% RQD	SAMPLES: Recovery, %	SAMPLES: Pocket Pene-trometer, tsf	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Well Details	REMARKS AND OTHER DETAILS
1	2	3	4	5	6	7	8	9	10	11	12

COLUMN DESCRIPTIONS

1 **Elevation:** Elevation in feet referenced to mean sea level (MSL) or site datum.

2 **Depth:** Depth in feet below the ground surface.

3 **Sample Type:** Type of soil sample collected at depth interval shown; sampler symbols are explained below.

4 **Sample Number:** Sample identification number.

5 **Sampling Resistance:** Number of blows required to advance driven sampler each 6-inch interval, or distance noted, using a 140-lb hammer with a 30-inch drop.

6 **Recovery:** Percentage of driven sample length actually recovered.

7 **Pocket Penetrometer:** Pocket penetrometer field consistency measurement in tons per square foot (tsf).

8 **Graphic Log:** Graphic depiction of subsurface material encountered; typical symbols are explained below.

9 **Material Description:** Description of material encountered; may include color, moisture, grain size, and density/consistency.

10 **Water Content** Water content of soil sample measured in laboratory, expressed as percent of dry weight of sample.

11 **Well Details:** Diagram of well installation

12 **Remarks and Other Details:** Comments and observations regarding drilling or sampling made by driller or field personnel. Also includes well details and laboratory testing results.

TYPICAL MATERIAL GRAPHIC SYMBOLS

- Lean CLAY (CL)
- Silty CLAY (CL-ML)
- Silty GRAVEL (GM)
- SILT (ML)
- Clayey SAND (SC)
- Silty SAND (SM)
- Poorly-graded SAND (SP)

OTHER GRAPHIC SYMBOLS

- Water level in boring ATD
- Minor change in material properties within a lithologic stratum
- ---- Inferred or gradational lithologic contact

ATD At Time of Drilling
NR Not Recorded
NA Not Applicable

Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; field descriptions may have been modified to reflect lab test results. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced; they are not warranted to be representative of subsurface conditions at other locations or times.

TYPICAL WELL GRAPHIC SYMBOLS

- Natural soil/material, no pipe
- Pipe plug in natural fill
- PVC riser in natural fill
- Prepacked screen in natural fill

TYPICAL SAMPLER GRAPHIC SYMBOLS

- Direct Push

MINOR SOIL TYPE(s)

"trace"	When the soil type's percentage is estimated, using visual/manual procedures, to be between 1 and 15 percent of the total sample.
"with"	When the soil type's percentage is estimated, using visual/manual procedures, to be greater than 15 percent and less than 30 percent of the total sample.
"y"	When the soil type's percentage is estimated, using visual/manual procedures, to be greater than 30 percent of the total sample.

AECOM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Boring ABN01-TPW1-A

Sheet 1 of 1

Date(s) Drilled	10/18/23	Logged By	R. McDonald	Checked By	D. Radaich/A. Harrigal
Drilling Method	Direct Push	Drill Bit Size/Type	N/A	Total Depth of Borehole	8.0´ bgs
Drill Rig Type	Geoprobe	Drilling Contractor	Walker-Hill Environmental	Surface Elevation	
Borehole Backfill	Cement-bentonite grout	Sampling Method(s)	N/A	Hammer Data	N/A
Boring Location	Ash Basin 1	Groundwater Level(s)	Not encountered at time of drilling		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Pene-trometer, tsf	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER DETAILS
0	DP-1			0			Medium stiff to stiff, light brown, silty CLAY (CL-ML) with iron staining and nodules		*First boring attempt for temporary well 1.*
	DP-2			100	1.5 0.5 1.5 1.5		@2' with lignite nodules		
							4.0		
							Stiff, brown, clayey SILT (ML) and silty CLAY (CL)		*@4' liner damaged, sample extruded in pieces.*
5	DP-3			100			7.0		
							Hard, gray, brittle, CLAY (CL) and SILT (ML), with black striations [PORTERS CREEK FORMATION]		
							8.0		
							End of Boring at 8´ bgs		*@8' liner damaged, broke 1" drilling stem. Boring terminated at 8', relocated 10' higher in elevation.*

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Boring ABN01-TPW1-B

Sheet 1 of 1

Date(s) Drilled	10/18/23	Logged By	R. McDonald	Checked By	D. Radaich/A. Harrigal
Drilling Method	Direct Push	Drill Bit Size/Type	N/A	Total Depth of Borehole	10.0´ bgs
Drill Rig Type	Geoprobe	Drilling Contractor	Walker-Hill Environmental	Surface Elevation	
Borehole Backfill	Cement-bentonite grout	Sampling Method(s)	N/A	Hammer Data	N/A
Boring Location	Ash Basin 1	Groundwater Level(s)	Not encountered at time of drilling		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Pene-trometer, tsf	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER DETAILS
0							0.0 Medium stiff, gray, CLAY (CL) with iron streaks and nodules		*Second boring attempt for temporary well 1.*
		DP-1		100			@2' stiff, tan, with silt and black streaks		
							@3.5' with lignite		
							4.0 Medium stiff, brown with gray, clayey SILT (ML) with lignite nodules		
5		DP-2		100			6.0 Medium stiff, brown, silty CLAY (CL-ML) with black streaks		
							8.0 Hard, black CLAY (CL)		*@8' sample compromised due to liner collapse, sample would not extrude. Boring terminated at 10', relocated 10' higher in elevation.*
		DP-3		0			10.0		
10							End of Boring at 10´ bgs		

AECOM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN01-TPW1-C

Sheet 1 of 1

Date(s) Drilled	**10/18/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 1**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0							0.0 Stiff, brown, clayey SILT (ML) with iron nodules			**10-foot, 1-inch diameter PVC riser**
							1.0 Stiff to hard, red CLAY (CL) with gray clay			
	DP-1			100	3.5 4.0		@2' with gray streaks			
							3.0 Hard, red, silty CLAY (ML-CL) with iron nodules			
5							@4' stiff to very stiff, brown to red, with gray streaks			
	DP-2			100			@5' stiff to medium stiff with iron nodules			
							@7' stiff to hard, gray to red			
							@8' medium stiff, brown, red, silty CLAY (ML-CL), with iron nodules			**5-foot, 1-inch prepacked screen**
10	DP-3			100	4.0 3.0 1.5		11.0 Soft, moist, gray, sandy SILT (ML)			
							@12' soft to medium stiff, moist to wet, gray to brown			
	DP-4			100			@14' red with some clay			
15							@15' gray			
							16.0 Loose, wet, gray, silty SAND (SM)			
	DP-5			100			@18' red and brown			*Bottom of well set at 18-ft bgs.*
							@19' dense			
20							20.0 End of Boring at 20´ bgs			*Relocated boring 10' higher three times due to hitting refusal at multiple depths. Final boring attempt for temporary well 1.*
25										
30										

AECOM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN01-TPW2

Sheet 1 of 1

Date(s) Drilled	**10/18/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**20.0 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 1**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0							0.0			
		DP-1		0			Stiff, tan to brown, silty CLAY (ML-CL) with iron staining and black streaks			**10-foot, 1-inch diameter PVC riser**
		DP-2		100			4.0			
5							Medium stiff, tan and red, silty SAND (SM) with clay pockets and iron staining			
		DP-3		100			@6' with black streaks			
							@8' with loose, moist, brown with red, with gray clay pockets and iron staining			
10		DP-4		100						**5-foot, 1-inch prepacked screen**
							12.0 Soft, moist, red, clayey SILT (ML) with iron nodules and lignite nodules			
		DP-5		100			14.0 Loose, wet, brown, silty SAND (SM)			
15							@16' soft, gray to brown, with clay pockets and iron streaks			
		DP-6		100			20.0			
20							End of Boring at 20´ bgs			*Bottom of well set at 20-ft bgs.*
25										
30										

AECOM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN01-TPW3

Sheet 1 of 1

Date(s) Drilled	**10/18/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**19.0 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 1**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0	DP-1			0			0.0 Firm, red with gray streaks and pockets, silty SAND (SM) with clay pockets			**10-foot, 1-inch diameter PVC riser**
	DP-2			100			@3' becomes tan and brown @4' becomes loose to dense, moist, tan			
5	DP-3			100						
										10-foot, 1-inch prepacked screen
10	DP-4			88			10.0 Soft to medium stiff, moist, red, sandy SILT (ML) with iron nodules, clay pockets, and lignite nodules @11' becomes soft, brown, with clay pockets @12' becomes brown to red with iron staining			
	DP-5			100			@14' becomes gray without iron staining			
15							16.0			*@16' liner collapsed on sample.*
	DP-6			67			Loose, wet, brown, SAND (SP) 18.0 Hard, black and gray, Porters Creek CLAY (CL) 19.0			*@18' extruded the top two feet of wet sand.* *Bottom of well set at 18-ft bgs.*
20							End of Boring at 19´ bgs			
25										
30										

AECOM

Report: GEO_CR_WELL; File C:\USERS\ARIELLE.GOLDSTEIN\ONEDRIVE - AECOM DIRECTORY\DOCUMENTS\CLECO DOLET HILLS POND CLOSURE OCTOBER 2023 LOGS.GPJ; 6/21/2024 7:36:59 PM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN02-TPW1

Sheet 1 of 1

Date(s) Drilled	**10/17/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**16.0 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 2**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0							0.0 Medium stiff, brown CLAY (CL) with iron staining			**5-foot, 1-inch diameter PVC riser**
							@1' becomes gray, with trace iron staining			
		DP-1		100			@2' becomes red and gray, with iron staining			
							2.5 Medium stiff, brown, silty CLAY (CL-ML)			
							3.5 Firm, wet, gray to reddish brown, silty, fine SAND (SM)			
5		DP-2		100						**10-foot, 1-inch prepacked screen**
10		DP-3		100			@10' 2" red, iron staining with lignite layer 10.2			
							Medium dense, dry, gray, sandy SILT (ML)			
							@11' 2" sandy clay			
							12.0 Medium dense, wet, gray silt (ML)			
							@13' becomes with some black laminations			
		DP-4		100			13.5 Hard, dry, black CLAY (CL)			
15							16.0			*Bottom of well set at 15-ft bgs.*
							End of Boring at 16´ bgs			
20										
25										
30										

AECOM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Boring ABN02-TPW2-A

Sheet 1 of 1

Date(s) Drilled	10/16/23	Logged By	D. Radaich/R. McDonald	Checked By	D. Radaich/A. Harrigal
Drilling Method	Direct Push	Drill Bit Size/Type	N/A	Total Depth of Borehole	8.0´ bgs
Drill Rig Type	Geoprobe	Drilling Contractor	Walker-Hill Environmental	Surface Elevation	
Borehole Backfill	Cement-bentonite grout	Sampling Method(s)	N/A	Hammer Data	N/A
Boring Location	Ash Basin 2	Groundwater Level(s)	Encountered at 9' after 10 minutes, water level at 5.5'		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Pene-trometer, tsf	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER DETAILS
0							0.0		
					2.0		Very loose, brown, clayey SAND (SC)		
					0		1.0		
	DP-1			100			Very loose, gray, very fine SAND (SM) with silt, with iron streaks		
					0.5		@1.5' becomes wet		
							2.0		
							Moist, gray to brown, silty CLAY (ML-CL) with iron staining		
							@3' becomes brown, with concentrated lignite, trace fine sand		
							@3.5' becomes gray, without trace fine sand		
					1.0		4.0		
							Medium stiff, moist, brown, sandy CLAY (CL)		
5							▽ 5.5		
	DP-2			100	1.5		Soft, moist, brown, sandy SILT (ML)		
							@6.5' becomes with lignite		
					0.5		7.0		
							Wet, brown, silty CLAY (CL-ML)		
							7.5		
							Dense, dry, compacted SAND (SP)		
							8.0		
							End of Boring at 8´ bgs		*@8' no well set, refusal at compacted sand layer, relocated boring*
							Refusal at compacted sand layer		*@9' soil wet, after 10 minutes water level at 5.5'*

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN02-TPW2-B

Sheet 1 of 1

Date(s) Drilled	**10/16/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**16.0 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 2**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0							0.0			
		DP-1		0			Stiff, dark gray CLAY (CL)			**10-foot, 1-inch diameter PVC riser**
		DP-2		100			@2' 1" clayey fine sand @3' with iron nodules			
							4.0 Medium stiff, dark brown and gray, silty CLAY (CL)			
5					0.75 1		5.8			
		DP-3		100	1.5		Medium stiff CLAY (CL) @6' with lignite and iron nodules			
					1.25		6.7 Firm, gray to brown, silty SAND (SM)			
							8.0 Firm, moist, gray to brown, clayey, fine SAND (SC)			
10		DP-4		100						**5-foot, 1-inch prepacked screen**
							12.0 Firm, very moist to wet, gray, silty, fine SAND (SM) with iron staining, sulfur odor			
15		DP-5		100						
							16.0 End of Boring at 16´ bgs			*Bottom of well set at 16-ft bgs.*
20										
25										
30										

AECOM

Report: GEO_CR_WELL; File C:\USERS\ARIELLE.GOLDSTEIN\ONEDRIVE - AECOM DIRECTORY\DOCUMENTS\CLECO DOLET HILLS POND CLOSURE OCTOBER 2023 LOGS.GPJ; 6/21/2024 7:37:02 PM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Well ABN02-TPW3

Sheet 1 of 1

Date(s) Drilled	**10/16/23**	Logged By	**R. McDonald**	Checked By	**D. Radaich/A. Harrigal**
Drilling Method	**Direct Push**	Drill Bit Size/Type	**N/A**	Total Depth of Borehole	**15.5 feet**
Drill Rig Type	**Geoprobe**	Drilling Contractor	**Walker-Hill Environmental**	Surface Elevation	
Borehole Backfill	**Cement-bentonite grout**	Sampling Method(s)	**N/A**	Hammer Data	**N/A**
Approximate Location	**Ash Basin 2**	Groundwater Level(s)	**Not encountered at time of drilling**		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer (tsf)	Graphic Log	MATERIAL DESCRIPTION	Water Content %	Well Detail	REMARKS AND OTHER DETAILS
0							0.0			
					1.5		Dark brown, silty SAND (SM) 0.5			**5-foot, 1-inch diameter PVC riser**
					2		Dry, stiff, dark brown, silty CLAY (ML-CL) 1.0			
		DP-1		100			Stiff CLAY (CL), trace lignite, iron staining			
					1.25		4.5			
5					0.5		Soft, slightly moist, fine, sandy CLAY (CL) 5.0			
		DP-2		100			Loose, moist, silty, fine SAND (SM)			**10-foot, 1-inch prepacked screen**
					0.5		7.0			
							Gray, silty GRAVEL (GM) 7.5			
							@7.8' very loose			
							Wet, gray, silty, fine SAND (SM)			
10		DP-3		100	<0.25					
					<0.25					
		DP-4		114						
					3.25		@14.4' stiff, moist CLAY (CL), with trace gravel			
15							15.5			*Bottom of well set at 15-ft bgs.*
							End of Boring at 15.5´ bgs			
20										
25										
30										

AECOM

Report: GEO_CR_WELL; File C:\USERS\ARIELLE.GOLDSTEIN\ONEDRIVE - AECOM DIRECTORY\DOCUMENTS\CLECO DOLET HILLS POND CLOSURE OCTOBER 2023 LOGS.GPJ; 6/21/2024 7:37:03 PM

Project: Cleco Dolet Hills Pond Closure
Project Location: Mansfield, LA
Project Number: 60639309

Log of Boring SPOND-TPW1

Sheet 1 of 1

Date(s) Drilled	10/17/23	Logged By	D. Radaich	Checked By	D. Radaich/A. Harrigal
Drilling Method	Direct Push	Drill Bit Size/Type	N/A	Total Depth of Borehole	14.0´ bgs
Drill Rig Type	Geoprobe	Drilling Contractor	Walker-Hill Environmental	Surface Elevation	
Borehole Backfill	Cement-bentonite grout	Sampling Method(s)	N/A	Hammer Data	N/A
Boring Location	South Pond	Groundwater Level(s)	Not encountered at time of drilling		

Depth, feet	SAMPLES Type	Number	Sampling Resist. Blows/6" OR CORE% RQD	Recovery, %	Pocket Penetrometer, tsf	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	REMARKS AND OTHER DETAILS
0							0.0		
	DP	DP-1		0			Stiff, dark gray, clayey SILT (ML)		
	DP	DP-2		100	3.0				
							← @4' becomes hard, brittle		
5	DP	DP-3		100	4.5				
							8.0		
							Hard, dark, gray, clayey SILT (ML) Not able to extrude soil		*@8' liner collapsed, not able to extrude soil.*
10	DP	DP-4		0					*@10' attemped 2-ft push, hit refusal.*
							← Push 2-ft, no recovery		
	DP	DP-5		0					
							14.0		
							End of Boring at 14´ bgs		

Date: 10/18/23	Total Depth = 19.96'	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 78° F, Low 47° F Sunny, Winds 4 MPH	Depth to Water = 11.91'	Purging Device: Bailer	**WELL NUMBER: ABN01-TPW1**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 68° F	Well Volume =		Project Location: South Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 11:15 AM	
Riley McDonald	Flow Rate =	Time End Purge: 11:55 AM	Water Level After Purging:
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
11:20 AM	-	-	6.33	4.05	25.8	>100	-	-	
11:25 AM	-	-	6.40	5.08	26.5	>100	-	-	
11:29 AM	-	-	6.40	4.35	25.9	>100	-	-	
11:31 AM	-	-	-	-	-	-	-	-	Purged Dry
11:47 AM	-	-	6.37	4.51	26.2	36.6	-	-	
11:52 AM	-	-	6.51	4.82	26.2	69.3	-	-	
11:55 AM	-	-	-	-	-	-	-	-	Purged Dry

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

Date: 10/18/23	Total Depth = 19.96'	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 78° F, Low 47° F Sunny, Winds 4 MPH	Depth to Water = 14.14'	Purging Device: Pen Pump	**WELL NUMBER: ABN01-TPW2**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 68° F	Well Volume =		Project Location: South Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 3:20 PM	
Riley McDonald	Flow Rate =	Time End Purge: 3:25 PM	Water Level After Purging: 0'
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
3:20 PM	-	14.14	6.69	5.59	26.0	>100	-	-	Purged Dry
3:35 PM	-	0.00	6.59	5.34	24.5	12.7	-	-	Purged Dry

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

Date: 10/18/23	Total Depth = 19.97'	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 78° F, Low 47° F Sunny, Winds 4 MPH	Depth to Water = 14.85'	Purging Device: Pen Pump	**WELL NUMBER: ABN01-TPW3**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 68° F	Well Volume =		Project Location: South Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 3:50 PM	
Riley McDonald	Flow Rate =	Time End Purge: 4:03 PM	Water Level After Purging:
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
3:52 PM	-	-	6.77	3.90	25.6	>100	-	-	Purged Dry
4:03 PM	-	-	6.73	2.90	24.9	39.6	-	-	Purged Dry

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

Date: 10/17/23	Total Depth = 14.94'	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 49° F, Low 73 °F Sunny, Winds 3 MPH	Depth to Water = 2.62'	Purging Device: Bailer	**WELL NUMBER: ABN02-TPW1**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 73° F	Well Volume =		Project Location: North Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 3:37 PM	
Riley McDonald	Flow Rate =	Time End Purge: 4:14 PM	Water Level After Purging: 4.25'
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
3:50 PM	-	2.62	6.63	2.83	26.6	>100	-	-	
3:55 PM	-	-	6.48	2.68	26.0	>100	-	-	
4:00 PM	-	-	6.48	2.60	26.1	66.7	-	-	
4:05 PM	-	-	6.50	2.59	26.1	32.5	-	-	
4:10 PM	-	4.26	6.53	2.61	25.8	30.3	-	-	

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

Date: 10/17/23	Total Depth = 14.97	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 49° F, Low 73 °F Sunny, Winds 3 MPH	Depth to Water = 1.43'	Purging Device: Bailer	**WELL NUMBER: ABN02-TPW2**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 50° F	Well Volume =		Project Location: North Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 9:05 AM	
Riley McDonald	Flow Rate =	Time End Purge: 9:45 AM	Water Level After Purging: 2.75'
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
9:20 AM	int.	1.43	6.86	1.12	23.3	2.18	-	-	
9:35 AM	int.	-	6.83	0.52	23.8	0	-	-	
9:45 AM	int.	2.75	6.78	1.05	24.0	0	-	-	

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

Date: 10/17/23	Total Depth = 14.96'	Well Diameter = 1 inch	**Well Sampling/Development Summary Sheet**
Weather/ Conditions: High 49° F, Low 73 °F Sunny, Winds 2 MPH SE	Depth to Water = 3.19'	Purging Device: Bailer	**WELL NUMBER: ABN02-TPW3**
	Water Column =		Project Name: Cleco Dolet Pond Closure
Ambient Temperature: 62° F	Well Volume =		Project Location: North Ash Basin
Personnel Present:	3 Well Volumes =	Time Begin Purge: 11:05 AM	
Riley McDonald	Flow Rate =	Time End Purge: 11:41 AM	Water Level After Purging: 5.17'
Russ McVey	Total Amount Removed (Liters/ Gallons):		Sheen / LNAPL (Thickness):

FIELD MEASUREMENTS DURING PURGING

TIME	Volume (L / gal)	H2O Level feet	pH	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Comments
11:05 AM	-	3.19	6.85	7.33	23.6	>100	-	-	
11:09 AM	-	-	6.56	8.72	24.2	>100	-	-	
11:18 AM	-	-	6.63	8.67	24.5	100.4	-	-	
11:25 AM	-	-	6.73	8.57	24.6	>100	-	-	
11:31 AM	-	-	6.72	8.50	24.9	101.6	-	-	
11:37 AM	-	5.17	6.72	8.60	25.0	68.7	-	-	

SAMPLING INFORMATION

Sample ID and Sample Time	pH	Conductivity (µS/cm)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	

Additional Comments and Observations: odor / no odor sheen / no sheen filter used yes or no

Well and Casing Conditon:

pH within ± 0.2--- Temp within ± 0.5 ° C --- Conductivity within ± 3%---ORP ± 20 mV--- Turbidity ± 10% if higher then 10 NTUs--- DO ± 10% or ± 0.2 mg/L

1 well volume (1") = 0.041 x H2O column (feet), (2") = 0.163 x H2O column, (4") = 0.65 x H2O column

AECOM

APPENDIX B

PHOTO LOG

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 4/19/2022

Direction Photo Taken:

South

Description:

View of Ash Basin 1 – Kickoff Meeting

Date: 4/19/2022

Direction Photo Taken:

Southeast

Description:

View of Ash Basin 2– Kickoff Meeting

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 4/19/2022

Direction Photo Taken:

North

Description:

View of Secondary Pond – Kickoff Meeting

Date: 6/22/2022

Direction Photo Taken:

Southeast

Description:

Dewatering at Ash Basin 1

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 5/23/2022

Direction Photo Taken:

North

Description:

Dewatering at Ash Basin 2

Date: 12/21/2022

Direction Photo Taken:

Northeast

Description:

Dewatering at Secondary Pond

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 08/09/2022

Direction Photo Taken:

Southeast

Description:

Hauling ash at Ash Basin 1

Date: 9/20/2022

Direction Photo Taken:

Southeast

Description:

Staging ash at Ash Basin 1

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 8/1/2023

Direction Photo Taken:

Southeast

Description:

Removal of ash-clay residual at Ash Basin 1

Date: 08/09/2022

Direction Photo Taken:

East

Description:

Hauling ash at Ash Basin 2

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/13/2023

Direction Photo Taken:

East

Description:

Staging ash at Ash Basin 2

Date: 6/6/2023

Direction Photo Taken:

East

Description:

Removal of ash-clay residual at Ash Basin 1

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 8/21/2023

Direction Photo Taken:

South

Description:

Hauling ash at the Secondary Pond

Date: 9/5/2023

Direction Photo Taken:

Southwest

Description:

Dewatering and loading operations at the Secondary Pond

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/19/2023

Direction Photo Taken:

South

Description:

Hauling ash at the Secondary Pond

Date: 9/22/2023

Direction Photo Taken:

East

Description:

Removal of ash complete at Ash Basin 1

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/22/2023

Direction Photo Taken:

North

Description:

Removal of ash complete at Ash Basin 2

Date: 9/22/2023

Direction Photo Taken:

Southwest

Description:

Removal of ash complete at the Secondary Pond

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 10/18/2023

Direction Photo Taken:

East

Description:

Temporary well installation at Ash Basin 1

Date: 10/17/2023

Direction Photo Taken:

South

Description:

Attempting temporary well installation at the Secondary Pond

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 10/16/2023

Direction Photo Taken:

North

Description:

Temporary well installation at Ash Basin 2

Date: 11/16/2023

Direction Photo Taken:

North

Description:

Grading/levee breach at Ash Basin 2.

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 11/29/2023

Direction Photo Taken:

West

Description:

Grading/levee breach at Ash Basin 2.

Date: 1/05/2024

Direction Photo Taken:

North

Description:

Hydroseeding Ash Basin 2.

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 4/15/2024

Direction Photo Taken:

South

Description:

Grading/levee breech at Ash Basin 1.

Date: 04/26/2024

Direction Photo Taken:

West

Description:

Initial Hydroseeding at Ash Basin 2

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/3/2024

Direction Photo Taken:

South

Description:

Initial Hydroseeding at Ash Basin 1

Date: 9/3/2025

Direction Photo Taken:

South

Description:

Hydroseeding at Secondary Pond

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/25/2025

Direction Photo Taken:

North

Description:

Vegetation Established Ash Basin 2

Date: 9/25/2025

Direction Photo Taken:

South

Description:

Vegetation established at Ash Basin 2

AECOM

APPENDIX A: PHOTOGRAPH LOG

Client Name:	Site Location:	Project No.
Cleco Power LLC	963 Power Plant Rd, Mansfield, LA 71052	60639309

Date: 9/25/2025

Direction Photo Taken:

South

Description:

Vegetation Established Ash Basin 1

Date: 9/25/2025

Direction Photo Taken:

North

Description:

Vegetation established at Ash Basin 1

APPENDIX C

ANALYTICAL DATA

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

October 05, 2023

Angela Harrigal
AECOM

,

RE: Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Dear Angela Harrigal:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Baton Rouge

This report supersedes and replaces any prior reports issued under this wokorder. This report has been revised to include cobalt for samples 20290987014, -015, -16, -017, -018, -019 and -020, that was missing on the final report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(225) 678-1833
Project Manager

Enclosures

cc: Denise Radaich, Geoengineers

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Pace Analytical Services Baton Rouge
7979 Innovation Park Drive Ste A, Baton Rouge, LA 70820-7402
Louisiana Dept of Enviromental Quality (NELAC/LELAP): 01979
Florida Dept of Health (NELAC/FELAP): E87854
DoD ELAP (A2LA) #: 6429.01
Alabama DEM #: 41900
Alaska DEC-DW #: LA00024
Alaska DEC CS-LAP #: 21-001
Arkansas DEQ #: 88-0655
California ELAP #: 3063
Georgia DPD #: C050
Hawaii DOH State Laboratories Division
Illinois EPA #: 200048
Kansas DoHE #: E-10354
Kentucky DEP UST Branch #: 123054
Louisiana DOH #: LA036
Minnesota DOH #: 2233799
Mississippi State Dept of Health
Montana Department of Environmental Quality
Nebraska DHHS #: NE-OS-35.21
Nevada DCNR DEP #: LA00024
New York DOH #: 12149
North Carolina DEQ - WW & GW #: 618
North Dakota DEQ #: R195
Ohio EPA #: 87782
Oklahoma Dept of Environmental Quality #: 9403
Oregon ELAP #: 4168
Pennsylvania Dept of Environmental Protection #: 68-05973
South Carolina DHEC #: 73006001
Texas CEQ #: T104704178-23-15
Utah DOH #: LA00024
Virginia DCLS #: 6460215
Washington Dept of Ecology #: C929
Wisconsin DNR #: 399139510

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20290987001	**ABN02-BTM1-06-SO-092523**	Solid	09/25/23 09:49	09/27/23 11:00
20290987002	**ABN02-BTM2-06-SO-092523**	Solid	09/25/23 09:37	09/27/23 11:00
20290987003	**ABN02-BTM5-06-SO-092523**	Solid	09/25/23 09:39	09/27/23 11:00
20290987004	**ABN02-SW2-06-SO-092523**	Solid	09/25/23 10:10	09/27/23 11:00
20290987005	**ABN02-SW1-06-SO-092523**	Solid	09/25/23 09:59	09/27/23 11:00
20290987006	**ABN02-BTM4-06-SO-092523**	Solid	09/25/23 10:29	09/27/23 11:00
20290987007	**ABN02-BTM3-06-SO-092523**	Solid	09/25/23 10:15	09/27/23 11:00
20290987008	**ABN02-SW3-06-SO-092523**	Solid	09/25/23 10:48	09/27/23 11:00
20290987009	**ABN02-SW4-06-SO-092523**	Solid	09/25/23 10:51	09/27/23 11:00
20290987010	**ABN02-BTM11-06-SO-092523**	Solid	09/25/23 11:20	09/27/23 11:00
20290987011	**ABN02-SW5-06-SO-092523**	Solid	09/25/23 11:26	09/27/23 11:00
20290987012	**ABN02-BTM7-06-SO-092523**	Solid	09/25/23 11:33	09/27/23 11:00
20290987013	**ABN02-BTM8-06-SO-092523**	Solid	09/25/23 11:36	09/27/23 11:00
20290987014	**ABN02-BTM8-06-DUP-092523**	Solid	09/25/23 11:36	09/27/23 11:00
20290987015	**ABN02-SW7-06-SO-09252**	Solid	09/25/23 12:03	09/27/23 11:00
20290987016	**ABN02-SW6-06-SO-092523**	Solid	09/25/23 12:05	09/27/23 11:00
20290987017	**ABN02-BTM10-06-SO-092523**	Solid	09/25/23 12:08	09/27/23 11:00
20290987018	**ABN02-BTM6-06-SO-092523**	Solid	09/25/23 12:22	09/27/23 11:00
20290987019	**ABN02-BTM9-06-SO-092523**	Solid	09/25/23 12:37	09/27/23 11:00
20290987020	**ABN02-SW8-06-SO-092523**	Solid	09/25/23 12:40	09/27/23 11:00
20290987021	**ABN02-SW9-06-SO-092523**	Solid	09/25/23 12:49	09/27/23 11:00
20290987022	**ABN01-BTM4-06-SO-092523**	Solid	09/25/23 14:12	09/27/23 11:00
20290987023	**ABN01-SW3-06-SO-092523**	Solid	09/25/23 14:14	09/27/23 11:00
20290987024	**ABN01-BTM9-06-SO-092523**	Solid	09/25/23 14:18	09/27/23 11:00
20290987025	**ABN01-SW4-06-SO-092523**	Solid	09/25/23 14:25	09/27/23 11:00
20290987026	**ABN01-BTM3-06-SO-092523**	Solid	09/25/23 14:44	09/27/23 11:00
20290987027	**ABN01-SW2-06-SO-092523**	Solid	09/25/23 14:48	09/27/23 11:00
20290987028	**ABN01-BTM1-06-SO-092523**	Solid	09/25/23 14:55	09/27/23 11:00
20290987029	**ABN01-BTM2-06-SO-092523**	Solid	09/25/23 14:59	09/27/23 11:00
20290987030	**ABN01-SW1-06-SO-092523**	Solid	09/25/23 15:22	09/27/23 11:00
20290987031	**ABN01-BTM5-06-SO-092523**	Solid	09/25/23 15:36	09/27/23 11:00
20290987032	**ABN01-BTM6-06-SO-092523**	Solid	09/25/23 15:46	09/27/23 11:00
20290987033	**ABN01-SW8-06-SO-092523**	Solid	09/25/23 15:48	09/27/23 11:00
20290987034	**ABN01-SW8-06-DUP-092523**	Solid	09/25/23 15:48	09/27/23 11:00
20290987035	**ABN01-BTM7-06-SO-092523**	Solid	09/25/23 15:51	09/27/23 11:00
20290987036	**ABN01-BTM8-06-SO-092523**	Solid	09/25/23 15:57	09/27/23 11:00
20290987037	**ABN01-BTM10-06-SO-092523**	Solid	09/25/23 16:09	09/27/23 11:00

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20290987038	**ABN01-SW7-06-SO-092523**	Solid	09/25/23 16:17	09/27/23 11:00
20290987039	**ABN01-BTM12-06-SO-092523**	Solid	09/25/23 16:20	09/27/23 11:00
20290987040	**ABN01-SW6-06-SO-092523**	Solid	09/25/23 16:21	09/27/23 11:00
20290987041	**ABN01-SW5-06-SO-092523**	Solid	09/25/23 16:25	09/27/23 11:00
20290987042	**ABN01-BTM11-06-SO-092523**	Solid	09/25/23 16:34	09/27/23 11:00

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20290987001	ABN02-BTM1-06-SO-092523	EPA 6020B	TDM	6
20290987002	ABN02-BTM2-06-SO-092523	EPA 6020B	TDM	6
20290987003	ABN02-BTM5-06-SO-092523	EPA 6020B	TDM	6
20290987004	ABN02-SW2-06-SO-092523	EPA 6020B	TDM	6
20290987005	ABN02-SW1-06-SO-092523	EPA 6020B	TDM	6
20290987006	ABN02-BTM4-06-SO-092523	EPA 6020B	TDM	6
20290987007	ABN02-BTM3-06-SO-092523	EPA 6020B	TDM	6
20290987008	ABN02-SW3-06-SO-092523	EPA 6020B	TDM	6
20290987009	ABN02-SW4-06-SO-092523	EPA 6020B	TDM	6
20290987010	ABN02-BTM11-06-SO-092523	EPA 6020B	TDM	6
20290987011	ABN02-SW5-06-SO-092523	EPA 6020B	TDM	6
20290987012	ABN02-BTM7-06-SO-092523	EPA 6020B	TDM	6
20290987013	ABN02-BTM8-06-SO-092523	EPA 6020B	TDM	6
20290987014	ABN02-BTM8-06-DUP-092523	EPA 6020B	TDM	6
20290987015	ABN02-SW7-06-SO-09252	EPA 6020B	TDM	6
20290987016	ABN02-SW6-06-SO-092523	EPA 6020B	TDM	6
20290987017	ABN02-BTM10-06-SO-092523	EPA 6020B	TDM	6
20290987018	ABN02-BTM6-06-SO-092523	EPA 6020B	TDM	6
20290987019	ABN02-BTM9-06-SO-092523	EPA 6020B	TDM	6
20290987020	ABN02-SW8-06-SO-092523	EPA 6020B	TDM	6
20290987021	ABN02-SW9-06-SO-092523	EPA 6020B	TDM	6
20290987022	ABN01-BTM4-06-SO-092523	EPA 6020B	TDM	6
20290987023	ABN01-SW3-06-SO-092523	EPA 6020B	TDM	6
20290987024	ABN01-BTM9-06-SO-092523	EPA 6020B	TDM	6
20290987025	ABN01-SW4-06-SO-092523	EPA 6020B	TDM	6
20290987026	ABN01-BTM3-06-SO-092523	EPA 6020B	TDM	6
20290987027	ABN01-SW2-06-SO-092523	EPA 6020B	TDM	6
20290987028	ABN01-BTM1-06-SO-092523	EPA 6020B	TDM	6
20290987029	ABN01-BTM2-06-SO-092523	EPA 6020B	TDM	6
20290987030	ABN01-SW1-06-SO-092523	EPA 6020B	TDM	6
20290987031	ABN01-BTM5-06-SO-092523	EPA 6020B	TDM	6
20290987032	ABN01-BTM6-06-SO-092523	EPA 6020B	TDM	6
20290987033	ABN01-SW8-06-SO-092523	EPA 6020B	TDM	6
20290987034	ABN01-SW8-06-DUP-092523	EPA 6020B	TDM	6
20290987035	ABN01-BTM7-06-SO-092523	EPA 6020B	TDM	6
20290987036	ABN01-BTM8-06-SO-092523	EPA 6020B	TDM	6
20290987037	ABN01-BTM10-06-SO-092523	EPA 6020B	TDM	6

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20290987038	**ABN01-SW7-06-SO-092523**	EPA 6020B	TDM	6
20290987039	**ABN01-BTM12-06-SO-092523**	EPA 6020B	TDM	6
20290987040	**ABN01-SW6-06-SO-092523**	EPA 6020B	TDM	6
20290987041	**ABN01-SW5-06-SO-092523**	EPA 6020B	TDM	6
20290987042	**ABN01-BTM11-06-SO-092523**	EPA 6020B	TDM	6

PASI-BR = Pace Analytical Services - Baton Rouge

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-BTM1-06-SO-092523 **Lab ID: 20290987001** Collected: 09/25/23 09:49 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**104**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:33	7440-39-3	
Cobalt	**8.0**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:33	7440-48-4	
Copper	**6.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:33	7440-50-8	
Nickel	**18.0**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 18:33	7440-02-0	
Vanadium	**15.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:33	7440-62-2	
Zinc	**47.3**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 18:33	7440-66-6	

Sample: ABN02-BTM2-06-SO-092523 **Lab ID: 20290987002** Collected: 09/25/23 09:37 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**36.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:36	7440-39-3	
Cobalt	**4.9**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:36	7440-48-4	
Copper	**3.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:36	7440-50-8	
Nickel	**17.5**	mg/kg	0.96	10	09/29/23 09:12	10/02/23 18:36	7440-02-0	
Vanadium	**29.2**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:36	7440-62-2	
Zinc	**25.7**	mg/kg	9.6	10	09/29/23 09:12	10/02/23 18:36	7440-66-6	

Sample: ABN02-BTM5-06-SO-092523 **Lab ID: 20290987003** Collected: 09/25/23 09:39 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**173**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:40	7440-39-3	
Cobalt	**16.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:40	7440-48-4	
Copper	**4.4**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:40	7440-50-8	
Nickel	**52.4**	mg/kg	0.96	10	09/29/23 09:12	10/02/23 18:40	7440-02-0	
Vanadium	**33.1**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:40	7440-62-2	
Zinc	**57.2**	mg/kg	9.6	10	09/29/23 09:12	10/02/23 18:40	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-SW2-06-SO-092523 **Lab ID: 20290987004** Collected: 09/25/23 10:10 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**24.9**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:43	7440-39-3	
Cobalt	**5.0**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:43	7440-48-4	
Copper	**6.0**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:43	7440-50-8	
Nickel	**11.1**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 18:43	7440-02-0	
Vanadium	**14.3**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:43	7440-62-2	
Zinc	**32.6**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 18:43	7440-66-6	

Sample: ABN02-SW1-06-SO-092523 **Lab ID: 20290987005** Collected: 09/25/23 09:59 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**136**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:47	7440-39-3	
Cobalt	**9.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:47	7440-48-4	
Copper	**7.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:47	7440-50-8	
Nickel	**23.4**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 18:47	7440-02-0	
Vanadium	**14.3**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 18:47	7440-62-2	
Zinc	**46.7**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 18:47	7440-66-6	

Sample: ABN02-BTM4-06-SO-092523 **Lab ID: 20290987006** Collected: 09/25/23 10:29 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**47.1**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:51	7440-39-3	
Cobalt	**4.2**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:51	7440-48-4	
Copper	**5.5**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:51	7440-50-8	
Nickel	**10.3**	mg/kg	0.94	10	09/29/23 09:12	10/02/23 18:51	7440-02-0	
Vanadium	**25.6**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:51	7440-62-2	
Zinc	**21.8**	mg/kg	9.4	10	09/29/23 09:12	10/02/23 18:51	7440-66-6	

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-BTM3-06-SO-092523 **Lab ID: 20290987007** Collected: 09/25/23 10:15 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**81.4**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 18:54	7440-39-3	
Cobalt	**4.0**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 18:54	7440-48-4	
Copper	**4.6**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 18:54	7440-50-8	
Nickel	**7.7**	mg/kg	0.88	10	09/29/23 09:12	10/02/23 18:54	7440-02-0	
Vanadium	**19.3**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 18:54	7440-62-2	
Zinc	**15.7**	mg/kg	8.8	10	09/29/23 09:12	10/02/23 18:54	7440-66-6	

Sample: ABN02-SW3-06-SO-092523 **Lab ID: 20290987008** Collected: 09/25/23 10:48 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**101**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:58	7440-39-3	
Cobalt	**5.7**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:58	7440-48-4	
Copper	**7.3**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:58	7440-50-8	
Nickel	**12.5**	mg/kg	0.94	10	09/29/23 09:12	10/02/23 18:58	7440-02-0	
Vanadium	**17.4**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 18:58	7440-62-2	
Zinc	**36.7**	mg/kg	9.4	10	09/29/23 09:12	10/02/23 18:58	7440-66-6	

Sample: ABN02-SW4-06-SO-092523 **Lab ID: 20290987009** Collected: 09/25/23 10:51 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**55.3**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:01	7440-39-3	
Cobalt	**2.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:01	7440-48-4	
Copper	**5.2**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:01	7440-50-8	
Nickel	**5.4**	mg/kg	0.96	10	09/29/23 09:12	10/02/23 19:01	7440-02-0	
Vanadium	**21.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:01	7440-62-2	
Zinc	**13.2**	mg/kg	9.6	10	09/29/23 09:12	10/02/23 19:01	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-BTM11-06-SO-092523 **Lab ID: 20290987010** Collected: 09/25/23 11:20 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**69.2**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:05	7440-39-3	
Cobalt	**4.6**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:05	7440-48-4	
Copper	**6.7**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:05	7440-50-8	
Nickel	**9.4**	mg/kg	0.91	10	09/29/23 09:12	10/02/23 19:05	7440-02-0	
Vanadium	**21.8**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:05	7440-62-2	
Zinc	**24.8**	mg/kg	9.1	10	09/29/23 09:12	10/02/23 19:05	7440-66-6	

Sample: ABN02-SW5-06-SO-092523 **Lab ID: 20290987011** Collected: 09/25/23 11:26 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**173**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:15	7440-39-3	
Cobalt	**19.2**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:15	7440-48-4	
Copper	**5.0**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:15	7440-50-8	
Nickel	**17.0**	mg/kg	0.94	10	09/29/23 09:12	10/02/23 19:15	7440-02-0	
Vanadium	**12.3**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:15	7440-62-2	
Zinc	**36.0**	mg/kg	9.4	10	09/29/23 09:12	10/02/23 19:15	7440-66-6	

Sample: ABN02-BTM7-06-SO-092523 **Lab ID: 20290987012** Collected: 09/25/23 11:33 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**139**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:19	7440-39-3	
Cobalt	**4.8**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:19	7440-48-4	
Copper	**9.0**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:19	7440-50-8	
Nickel	**14.6**	mg/kg	0.93	10	09/29/23 09:12	10/02/23 19:19	7440-02-0	
Vanadium	**25.4**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 19:19	7440-62-2	
Zinc	**30.9**	mg/kg	9.3	10	09/29/23 09:12	10/02/23 19:19	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-BTM8-06-SO-092523 **Lab ID: 20290987013** Collected: 09/25/23 11:36 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**47.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:23	7440-39-3	M1
Cobalt	**3.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:23	7440-48-4	
Copper	**5.0**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:23	7440-50-8	
Nickel	**11.7**	mg/kg	0.96	10	09/29/23 09:12	10/02/23 19:23	7440-02-0	M1
Vanadium	**18.2**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:23	7440-62-2	M1
Zinc	**23.2**	mg/kg	9.6	10	09/29/23 09:12	10/02/23 19:23	7440-66-6	

Sample: ABN02-BTM8-06-DUP-092523 **Lab ID: 20290987014** Collected: 09/25/23 11:36 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**41.3**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:40	7440-39-3	
Cobalt	**4.2**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:40	7440-48-4	
Copper	**4.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:40	7440-50-8	
Nickel	**11.3**	mg/kg	0.96	10	09/29/23 09:12	10/02/23 19:40	7440-02-0	
Vanadium	**16.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:40	7440-62-2	
Zinc	**23.2**	mg/kg	9.6	10	09/29/23 09:12	10/02/23 19:40	7440-66-6	

Sample: ABN02-SW7-06-SO-09252 **Lab ID: 20290987015** Collected: 09/25/23 12:03 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**37.7**	mg/kg	0.43	10	09/29/23 09:12	10/02/23 19:44	7440-39-3	
Cobalt	**2.3**	mg/kg	0.43	10	09/29/23 09:12	10/02/23 19:44	7440-48-4	
Copper	**4.5**	mg/kg	0.43	10	09/29/23 09:12	10/02/23 19:44	7440-50-8	
Nickel	**5.6**	mg/kg	0.87	10	09/29/23 09:12	10/02/23 19:44	7440-02-0	
Vanadium	**7.5**	mg/kg	0.43	10	09/29/23 09:12	10/02/23 19:44	7440-62-2	
Zinc	**19.1**	mg/kg	8.7	10	09/29/23 09:12	10/02/23 19:44	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-SW6-06-SO-092523 **Lab ID: 20290987016** Collected: 09/25/23 12:05 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**40.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:47	7440-39-3	
Cobalt	**2.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:47	7440-48-4	
Copper	**6.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:47	7440-50-8	
Nickel	**8.4**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 19:47	7440-02-0	
Vanadium	**25.3**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:47	7440-62-2	
Zinc	**23.5**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 19:47	7440-66-6	

Sample: ABN02-BTM10-06-SO-092523 **Lab ID: 20290987017** Collected: 09/25/23 12:08 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**118**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:51	7440-39-3	
Cobalt	**8.5**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:51	7440-48-4	
Copper	**5.7**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:51	7440-50-8	
Nickel	**11.3**	mg/kg	0.90	10	09/29/23 09:12	10/02/23 19:51	7440-02-0	
Vanadium	**21.8**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 19:51	7440-62-2	
Zinc	**23.3**	mg/kg	9.0	10	09/29/23 09:12	10/02/23 19:51	7440-66-6	

Sample: ABN02-BTM6-06-SO-092523 **Lab ID: 20290987018** Collected: 09/25/23 12:22 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**72.2**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:55	7440-39-3	
Cobalt	**6.6**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:55	7440-48-4	
Copper	**4.5**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:55	7440-50-8	
Nickel	**7.3**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 19:55	7440-02-0	
Vanadium	**14.0**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:55	7440-62-2	
Zinc	**18.7**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 19:55	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN02-BTM9-06-SO-092523 **Lab ID: 20290987019** Collected: 09/25/23 12:37 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**38.1**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:58	7440-39-3	
Cobalt	**3.7**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:58	7440-48-4	
Copper	**3.8**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:58	7440-50-8	
Nickel	**7.6**	mg/kg	0.95	10	09/29/23 09:12	10/02/23 19:58	7440-02-0	
Vanadium	**10.5**	mg/kg	0.48	10	09/29/23 09:12	10/02/23 19:58	7440-62-2	
Zinc	**21.3**	mg/kg	9.5	10	09/29/23 09:12	10/02/23 19:58	7440-66-6	

Sample: ABN02-SW8-06-SO-092523 **Lab ID: 20290987020** Collected: 09/25/23 12:40 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**70.6**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 20:02	7440-39-3	
Cobalt	**6.9**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 20:02	7440-48-4	
Copper	**4.9**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 20:02	7440-50-8	
Nickel	**16.6**	mg/kg	0.91	10	09/29/23 09:12	10/02/23 20:02	7440-02-0	
Vanadium	**14.2**	mg/kg	0.45	10	09/29/23 09:12	10/02/23 20:02	7440-62-2	
Zinc	**42.5**	mg/kg	9.1	10	09/29/23 09:12	10/02/23 20:02	7440-66-6	

Sample: ABN02-SW9-06-SO-092523 **Lab ID: 20290987021** Collected: 09/25/23 12:49 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**55.4**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:19	7440-39-3	
Cobalt	**5.3**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:19	7440-48-4	
Copper	**4.8**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:19	7440-50-8	
Nickel	**8.0**	mg/kg	0.94	10	09/29/23 09:25	10/02/23 20:19	7440-02-0	
Vanadium	**23.4**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:19	7440-62-2	
Zinc	**22.1**	mg/kg	9.4	10	09/29/23 09:25	10/02/23 20:19	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-BTM4-06-SO-092523 **Lab ID: 20290987022** Collected: 09/25/23 14:12 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**62.3**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:23	7440-39-3	
Cobalt	**4.8**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:23	7440-48-4	
Copper	**4.2**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:23	7440-50-8	
Nickel	**6.7**	mg/kg	0.94	10	09/29/23 09:25	10/02/23 20:23	7440-02-0	
Vanadium	**12.7**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:23	7440-62-2	
Zinc	**21.2**	mg/kg	9.4	10	09/29/23 09:25	10/02/23 20:23	7440-66-6	

Sample: ABN01-SW3-06-SO-092523 **Lab ID: 20290987023** Collected: 09/25/23 14:14 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**106**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:27	7440-39-3	
Cobalt	**8.6**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:27	7440-48-4	
Copper	**13.6**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:27	7440-50-8	
Nickel	**23.1**	mg/kg	0.90	10	09/29/23 09:25	10/02/23 20:27	7440-02-0	
Vanadium	**20.3**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:27	7440-62-2	
Zinc	**86.0**	mg/kg	9.0	10	09/29/23 09:25	10/02/23 20:27	7440-66-6	

Sample: ABN01-BTM9-06-SO-092523 **Lab ID: 20290987024** Collected: 09/25/23 14:18 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**39.3**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:30	7440-39-3	
Cobalt	**5.2**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:30	7440-48-4	
Copper	**5.2**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:30	7440-50-8	
Nickel	**7.5**	mg/kg	0.94	10	09/29/23 09:25	10/02/23 20:30	7440-02-0	
Vanadium	**14.0**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:30	7440-62-2	
Zinc	**25.1**	mg/kg	9.4	10	09/29/23 09:25	10/02/23 20:30	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-SW4-06-SO-092523 **Lab ID: 20290987025** Collected: 09/25/23 14:25 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**39.3**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:34	7440-39-3	
Cobalt	**5.3**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:34	7440-48-4	
Copper	**4.3**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:34	7440-50-8	
Nickel	**6.6**	mg/kg	0.92	10	09/29/23 09:25	10/02/23 20:34	7440-02-0	
Vanadium	**24.5**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:34	7440-62-2	
Zinc	**17.7**	mg/kg	9.2	10	09/29/23 09:25	10/02/23 20:34	7440-66-6	

Sample: ABN01-BTM3-06-SO-092523 **Lab ID: 20290987026** Collected: 09/25/23 14:44 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**40.8**	mg/kg	0.43	10	09/29/23 09:25	10/02/23 20:37	7440-39-3	
Cobalt	**3.0**	mg/kg	0.43	10	09/29/23 09:25	10/02/23 20:37	7440-48-4	
Copper	**3.1**	mg/kg	0.43	10	09/29/23 09:25	10/02/23 20:37	7440-50-8	
Nickel	**6.3**	mg/kg	0.85	10	09/29/23 09:25	10/02/23 20:37	7440-02-0	
Vanadium	**19.4**	mg/kg	0.43	10	09/29/23 09:25	10/02/23 20:37	7440-62-2	
Zinc	**11.1**	mg/kg	8.5	10	09/29/23 09:25	10/02/23 20:37	7440-66-6	

Sample: ABN01-SW2-06-SO-092523 **Lab ID: 20290987027** Collected: 09/25/23 14:48 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**63.6**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:41	7440-39-3	
Cobalt	**4.6**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:41	7440-48-4	
Copper	**3.3**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:41	7440-50-8	
Nickel	**9.8**	mg/kg	0.92	10	09/29/23 09:25	10/02/23 20:41	7440-02-0	
Vanadium	**31.5**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 20:41	7440-62-2	
Zinc	**14.7**	mg/kg	9.2	10	09/29/23 09:25	10/02/23 20:41	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-BTM1-06-SO-092523 **Lab ID: 20290987028** Collected: 09/25/23 14:55 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**89.2**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:44	7440-39-3	
Cobalt	**17.9**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:44	7440-48-4	
Copper	**3.5**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:44	7440-50-8	
Nickel	**7.9**	mg/kg	0.90	10	09/29/23 09:25	10/02/23 20:44	7440-02-0	
Vanadium	**16.1**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:44	7440-62-2	
Zinc	**14.3**	mg/kg	9.0	10	09/29/23 09:25	10/02/23 20:44	7440-66-6	

Sample: ABN01-BTM2-06-SO-092523 **Lab ID: 20290987029** Collected: 09/25/23 14:59 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**94.2**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:48	7440-39-3	
Cobalt	**26.3**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:48	7440-48-4	
Copper	**9.1**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:48	7440-50-8	
Nickel	**18.6**	mg/kg	0.90	10	09/29/23 09:25	10/02/23 20:48	7440-02-0	
Vanadium	**47.9**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 20:48	7440-62-2	
Zinc	**45.9**	mg/kg	9.0	10	09/29/23 09:25	10/02/23 20:48	7440-66-6	

Sample: ABN01-SW1-06-SO-092523 **Lab ID: 20290987030** Collected: 09/25/23 15:22 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**74.0**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:52	7440-39-3	
Cobalt	**8.5**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:52	7440-48-4	
Copper	**9.4**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:52	7440-50-8	
Nickel	**22.3**	mg/kg	0.93	10	09/29/23 09:25	10/02/23 20:52	7440-02-0	
Vanadium	**14.2**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 20:52	7440-62-2	
Zinc	**59.1**	mg/kg	9.3	10	09/29/23 09:25	10/02/23 20:52	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-BTM5-06-SO-092523 **Lab ID: 20290987031** Collected: 09/25/23 15:36 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**31.7**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 21:02	7440-39-3	
Cobalt	**3.4**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 21:02	7440-48-4	
Copper	**2.9**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 21:02	7440-50-8	
Nickel	**3.9**	mg/kg	0.90	10	09/29/23 09:25	10/02/23 21:02	7440-02-0	
Vanadium	**19.5**	mg/kg	0.45	10	09/29/23 09:25	10/02/23 21:02	7440-62-2	
Zinc	**9.5**	mg/kg	9.0	10	09/29/23 09:25	10/02/23 21:02	7440-66-6	

Sample: ABN01-BTM6-06-SO-092523 **Lab ID: 20290987032** Collected: 09/25/23 15:46 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**83.1**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:06	7440-39-3	
Cobalt	**10.5**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:06	7440-48-4	
Copper	**7.6**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:06	7440-50-8	
Nickel	**15.4**	mg/kg	0.94	10	09/29/23 09:25	10/02/23 21:06	7440-02-0	
Vanadium	**11.4**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:06	7440-62-2	
Zinc	**43.8**	mg/kg	9.4	10	09/29/23 09:25	10/02/23 21:06	7440-66-6	

Sample: ABN01-SW8-06-SO-092523 **Lab ID: 20290987033** Collected: 09/25/23 15:48 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**85.3**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:09	7440-39-3	M1
Cobalt	**7.8**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:09	7440-48-4	
Copper	**5.5**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:09	7440-50-8	M1
Nickel	**12.9**	mg/kg	0.96	10	09/29/23 09:25	10/02/23 21:09	7440-02-0	M1
Vanadium	**15.7**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:09	7440-62-2	M1
Zinc	**34.6**	mg/kg	9.6	10	09/29/23 09:25	10/02/23 21:09	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-SW8-06-DUP-092523 **Lab ID: 20290987034** Collected: 09/25/23 15:48 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**85.9**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:27	7440-39-3	
Cobalt	**10.5**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:27	7440-48-4	
Copper	**10.4**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:27	7440-50-8	
Nickel	**21.7**	mg/kg	0.94	10	09/29/23 09:25	10/02/23 21:27	7440-02-0	
Vanadium	**17.3**	mg/kg	0.47	10	09/29/23 09:25	10/02/23 21:27	7440-62-2	
Zinc	**54.9**	mg/kg	9.4	10	09/29/23 09:25	10/02/23 21:27	7440-66-6	

Sample: ABN01-BTM7-06-SO-092523 **Lab ID: 20290987035** Collected: 09/25/23 15:51 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**90.2**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:31	7440-39-3	
Cobalt	**9.2**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:31	7440-48-4	
Copper	**9.1**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:31	7440-50-8	
Nickel	**22.4**	mg/kg	0.95	10	09/29/23 09:25	10/02/23 21:31	7440-02-0	
Vanadium	**18.7**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:31	7440-62-2	
Zinc	**56.8**	mg/kg	9.5	10	09/29/23 09:25	10/02/23 21:31	7440-66-6	

Sample: ABN01-BTM8-06-SO-092523 **Lab ID: 20290987036** Collected: 09/25/23 15:57 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**58.8**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:34	7440-39-3	
Cobalt	**2.9**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:34	7440-48-4	
Copper	**4.8**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:34	7440-50-8	
Nickel	**5.8**	mg/kg	0.95	10	09/29/23 09:25	10/02/23 21:34	7440-02-0	
Vanadium	**14.5**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:34	7440-62-2	
Zinc	**20.5**	mg/kg	9.5	10	09/29/23 09:25	10/02/23 21:34	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-BTM10-06-SO-092523 **Lab ID: 20290987037** Collected: 09/25/23 16:09 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**99.7**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:38	7440-39-3	
Cobalt	**10.7**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:38	7440-48-4	
Copper	**6.5**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:38	7440-50-8	
Nickel	**16.1**	mg/kg	0.95	10	09/29/23 09:25	10/02/23 21:38	7440-02-0	
Vanadium	**18.9**	mg/kg	0.48	10	09/29/23 09:25	10/02/23 21:38	7440-62-2	
Zinc	**37.9**	mg/kg	9.5	10	09/29/23 09:25	10/02/23 21:38	7440-66-6	

Sample: ABN01-SW7-06-SO-092523 **Lab ID: 20290987038** Collected: 09/25/23 16:17 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**27.6**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:41	7440-39-3	
Cobalt	**2.1**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:41	7440-48-4	
Copper	**2.2**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:41	7440-50-8	
Nickel	**7.4**	mg/kg	0.92	10	09/29/23 09:25	10/02/23 21:41	7440-02-0	
Vanadium	**8.4**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:41	7440-62-2	
Zinc	**24.1**	mg/kg	9.2	10	09/29/23 09:25	10/02/23 21:41	7440-66-6	

Sample: ABN01-BTM12-06-SO-092523 **Lab ID: 20290987039** Collected: 09/25/23 16:20 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**61.6**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:45	7440-39-3	
Cobalt	**4.9**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:45	7440-48-4	
Copper	**4.7**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:45	7440-50-8	
Nickel	**7.2**	mg/kg	0.92	10	09/29/23 09:25	10/02/23 21:45	7440-02-0	
Vanadium	**20.4**	mg/kg	0.46	10	09/29/23 09:25	10/02/23 21:45	7440-62-2	
Zinc	**19.7**	mg/kg	9.2	10	09/29/23 09:25	10/02/23 21:45	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Sample: ABN01-SW6-06-SO-092523 **Lab ID: 20290987040** Collected: 09/25/23 16:21 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**69.4**	mg/kg	0.44	10	09/29/23 09:25	10/02/23 21:48	7440-39-3	
Cobalt	**10.7**	mg/kg	0.44	10	09/29/23 09:25	10/02/23 21:48	7440-48-4	
Copper	**3.9**	mg/kg	0.44	10	09/29/23 09:25	10/02/23 21:48	7440-50-8	
Nickel	**15.6**	mg/kg	0.88	10	09/29/23 09:25	10/02/23 21:48	7440-02-0	
Vanadium	**15.5**	mg/kg	0.44	10	09/29/23 09:25	10/02/23 21:48	7440-62-2	
Zinc	**22.7**	mg/kg	8.8	10	09/29/23 09:25	10/02/23 21:48	7440-66-6	

Sample: ABN01-SW5-06-SO-092523 **Lab ID: 20290987041** Collected: 09/25/23 16:25 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**150**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 22:06	7440-39-3	
Cobalt	**6.4**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 22:06	7440-48-4	
Copper	**8.3**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 22:06	7440-50-8	
Nickel	**12.0**	mg/kg	0.93	10	09/29/23 09:12	10/02/23 22:06	7440-02-0	
Vanadium	**23.3**	mg/kg	0.47	10	09/29/23 09:12	10/02/23 22:06	7440-62-2	
Zinc	**32.4**	mg/kg	9.3	10	09/29/23 09:12	10/02/23 22:06	7440-66-6	

Sample: ABN01-BTM11-06-SO-092523 **Lab ID: 20290987042** Collected: 09/25/23 16:34 Received: 09/27/23 11:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**63.9**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 22:10	7440-39-3	
Cobalt	**42.3**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 22:10	7440-48-4	
Copper	**9.2**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 22:10	7440-50-8	
Nickel	**17.2**	mg/kg	0.88	10	09/29/23 09:12	10/02/23 22:10	7440-02-0	
Vanadium	**51.1**	mg/kg	0.44	10	09/29/23 09:12	10/02/23 22:10	7440-62-2	
Zinc	**40.6**	mg/kg	8.8	10	09/29/23 09:12	10/02/23 22:10	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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QUALITY CONTROL DATA

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

QC Batch: 301292
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Soil
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20290987001, 20290987002, 20290987003, 20290987004, 20290987005, 20290987006, 20290987007, 20290987008, 20290987009, 20290987010, 20290987011, 20290987012, 20290987013, 20290987014, 20290987015, 20290987016, 20290987017, 20290987018, 20290987019, 20290987020

METHOD BLANK: 1442197 Matrix: Solid
Associated Lab Samples: 20290987001, 20290987002, 20290987003, 20290987004, 20290987005, 20290987006, 20290987007, 20290987008, 20290987009, 20290987010, 20290987011, 20290987012, 20290987013, 20290987014, 20290987015, 20290987016, 20290987017, 20290987018, 20290987019, 20290987020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/kg	ND	0.048	10/02/23 18:26	
Cobalt	mg/kg	ND	0.048	10/02/23 18:26	
Copper	mg/kg	ND	0.048	10/02/23 18:26	
Nickel	mg/kg	ND	0.096	10/02/23 18:26	
Vanadium	mg/kg	ND	0.048	10/02/23 18:26	
Zinc	mg/kg	ND	0.96	10/02/23 18:26	

LABORATORY CONTROL SAMPLE: 1442198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	2	2.0	100	80-120	
Cobalt	mg/kg	2	2.0	102	80-120	
Copper	mg/kg	2	2.0	102	80-120	
Nickel	mg/kg	4	4.1	102	80-120	
Vanadium	mg/kg	2	2.0	100	80-120	
Zinc	mg/kg	40	37.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442199 1442200

Parameter	Units	20290987013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/kg	47.6	2	2	46.6	45.5	-49	-102	86-116	2	20	M1,M3
Cobalt	mg/kg	3.7	2	2	6.0	6.0	117	119	84-115	1	20	
Copper	mg/kg	5.0	2	2	6.9	7.1	94	106	84-119	4	20	
Nickel	mg/kg	11.7	4	4	16.5	17.1	121	136	84-119	4	20	M1
Vanadium	mg/kg	18.2	2	2	22.7	23.0	223	238	82-116	1	20	M1,M3
Zinc	mg/kg	23.2	40	40	60.1	62.5	92	98	82-119	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

QC Batch: 301293
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Soil
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20290987021, 20290987022, 20290987023, 20290987024, 20290987025, 20290987026, 20290987027, 20290987028, 20290987029, 20290987030, 20290987031, 20290987032, 20290987033, 20290987034, 20290987035, 20290987036, 20290987037, 20290987038, 20290987039, 20290987040

METHOD BLANK: 1442202 Matrix: Solid
Associated Lab Samples: 20290987021, 20290987022, 20290987023, 20290987024, 20290987025, 20290987026, 20290987027, 20290987028, 20290987029, 20290987030, 20290987031, 20290987032, 20290987033, 20290987034, 20290987035, 20290987036, 20290987037, 20290987038, 20290987039, 20290987040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/kg	ND	0.048	10/02/23 20:12	
Cobalt	mg/kg	ND	0.048	10/02/23 20:12	
Copper	mg/kg	ND	0.048	10/02/23 20:12	
Nickel	mg/kg	ND	0.096	10/02/23 20:12	
Vanadium	mg/kg	ND	0.048	10/02/23 20:12	
Zinc	mg/kg	ND	0.96	10/02/23 20:12	

LABORATORY CONTROL SAMPLE: 1442203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	2	1.9	96	80-120	
Cobalt	mg/kg	2	1.9	96	80-120	
Copper	mg/kg	2	1.9	96	80-120	
Nickel	mg/kg	4	3.8	96	80-120	
Vanadium	mg/kg	2	1.9	95	80-120	
Zinc	mg/kg	40	36.2	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442204 1442205

Parameter	Units	20290987033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/kg	85.3	2	2	112	127	1340	2060	86-116	12	20	M1,M3
Cobalt	mg/kg	7.8	2	2	9.4	10.3	81	128	84-115	10	20	
Copper	mg/kg	5.5	2	2	7.5	8.1	98	125	84-119	7	20	M1
Nickel	mg/kg	12.9	4	4	19.3	20.2	160	183	84-119	5	20	M1
Vanadium	mg/kg	15.7	2	2	20.6	23.9	249	413	82-116	15	20	M1,M3
Zinc	mg/kg	34.6	40	40	74.0	78.0	99	109	82-119	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

QC Batch: 301294
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Soil
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20290987041, 20290987042

METHOD BLANK: 1442207 Matrix: Solid
Associated Lab Samples: 20290987041, 20290987042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/kg	ND	0.048	10/02/23 21:59	
Copper	mg/kg	ND	0.048	10/02/23 21:59	
Nickel	mg/kg	ND	0.096	10/02/23 21:59	
Vanadium	mg/kg	ND	0.048	10/02/23 21:59	
Zinc	mg/kg	ND	0.96	10/02/23 21:59	

LABORATORY CONTROL SAMPLE: 1442208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	2	1.8	92	80-120	
Copper	mg/kg	2	1.9	94	80-120	
Nickel	mg/kg	4	3.7	93	80-120	
Vanadium	mg/kg	2	1.8	91	80-120	
Zinc	mg/kg	40	34.9	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442322 1442323

Parameter	Units	20291073001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/kg	13.8	2	2	18.2	18.3	221	226	86-116	1	20	M1
Cobalt	mg/kg	0.62	2	2	2.8	2.7	110	103	84-115	5	20	
Copper	mg/kg	0.62	2	2	2.7	2.8	105	110	84-119	3	20	
Nickel	mg/kg	1.2	4	4	5.3	5.4	103	105	84-119	2	20	
Vanadium	mg/kg	3.5	2	2	6.3	6.5	142	152	82-116	3	20	M1
Zinc	mg/kg	3.0J	40	40	39.1	39.6	90	91	82-119	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CLECO DOLET HILLS 60693909
Pace Project No.: 20290987

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20290987001	**ABN02-BTM1-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987002	**ABN02-BTM2-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987003	**ABN02-BTM5-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987004	**ABN02-SW2-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987005	**ABN02-SW1-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987006	**ABN02-BTM4-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987007	**ABN02-BTM3-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987008	**ABN02-SW3-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987009	**ABN02-SW4-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987010	**ABN02-BTM11-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987011	**ABN02-SW5-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987012	**ABN02-BTM7-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987013	**ABN02-BTM8-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987014	**ABN02-BTM8-06-DUP-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987015	**ABN02-SW7-06-SO-09252**	EPA 3050B	301292	EPA 6020B	301453
20290987016	**ABN02-SW6-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987017	**ABN02-BTM10-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987018	**ABN02-BTM6-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987019	**ABN02-BTM9-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987020	**ABN02-SW8-06-SO-092523**	EPA 3050B	301292	EPA 6020B	301453
20290987021	**ABN02-SW9-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987022	**ABN01-BTM4-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987023	**ABN01-SW3-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987024	**ABN01-BTM9-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987025	**ABN01-SW4-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987026	**ABN01-BTM3-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987027	**ABN01-SW2-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987028	**ABN01-BTM1-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987029	**ABN01-BTM2-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987030	**ABN01-SW1-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987031	**ABN01-BTM5-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987032	**ABN01-BTM6-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987033	**ABN01-SW8-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987034	**ABN01-SW8-06-DUP-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987035	**ABN01-BTM7-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987036	**ABN01-BTM8-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987037	**ABN01-BTM10-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987038	**ABN01-SW7-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987039	**ABN01-BTM12-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987040	**ABN01-SW6-06-SO-092523**	EPA 3050B	301293	EPA 6020B	301454
20290987041	**ABN01-SW5-06-SO-092523**	EPA 3050B	301294	EPA 6020B	301449
20290987042	**ABN01-BTM11-06-SO-092523**	EPA 3050B	301294	EPA 6020B	301449

WO# : 20290987

20290987

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300, Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
	Cc E-Mail: dradaich@geoengineers.com
Customer Project #: 60639309	Invoice to: ACCOUNTS PAYABLE
Project Name: CLECO DOLET HILLS	Invoice E-mail: usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals	Sample Comment
ABNO2-BTM1-0650-092523	SS	G	9/25/2023	0949	—	—	—		1	X	Metals to be Run and
ABNO2-BTM2-0650-092523	SS	G	9/25/2023	0937	—	—	—		1	X	Reported:
ABNO2-BTM5-0650-092523	SS	G	9/25/2023	0939	—	—	—		1	X	Barium
ABNO2-SW2-0650-092523	SS	G	9/25/2023	1010	—	—	—		1	X	Cobalt
ABNO2-SW1-0650-092523	SS	G	9/25/2023	0959	—	—	—		1	X	Copper
ABNO2-BTM4-0650-092523	SS	G	9/25/2023	1029	—	—	—		1	X	Nickel
ABNO2-BTM3-0650-092523	SS	G	9/25/2023	1015	—	—	—		1	X	Vanadium
ABNO2-SW3-0650-092523	SS	G	9/25/2023	1048	—	—	—		1	X	Zinc
ABNO2-SW4-0650-092523	SS	G	9/25/2023	1051	—	—	—		1	X	
ABNO2-BTM11-0650-092523	SS	G	9/25/2023	1120	—	—	—		1	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: P. Denise Radaich

Printed Name:

Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):
4	TM93	0	1.6, 2.7, 3.2, 0.8	

Relinquished by/Company: (Signature)	Date/Time: 9/27/23 1000	Received by/Company: (Signature)	Date/Time: 9/27/23 11:00	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20290987

PM: MM1 Due Date: 10/04/23

CLIENT: 20-URS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge

Street Address: 8555 United Plaza, Suite 300, Baton Rouge, 70809

Customer Project #: 60639309

Project Name: CLECO DOLET HILLS

Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION, MANSFIELD, LA

Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Contact/Report To: Angela Harrigal

Phone #: 440-552-4378

E-Mail: angela.harrigal@aecom.com

Cc E-Mail: dradaich@geoengineers.com

Invoice to: ACCOUNTS PAYABLE

Invoice E-mail: usapimaging@aecom.com

Purchase Order # (if applicable):

Quote #:

County / State origin of sample(s): DeSoto Parish, LA

Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals	Sample Comment
ABN02-SW5-06-SO-092523	SS	G	9/25/2023	1126	—	—			1	X	Metals to be Run and Reported: Barium Cobalt Copper Nickel Vanadium Zinc
ABN02-BTM706-SO-092523	SS	G	9/25/2023	1133	—	—			1	X	
ABN02-BTM8-06-SO-092523	SS	G	9/25/2023	1136	—	—			1	X	
ABN02-BTM8-06-DUP-092523	SS	G	9/25/2023	1136	—	—			1	X	
ABN02-BTM8-06-MS/MSD-092523	SS	G	9/25/2023	1136	—	—			1	X	
ABN02-SW7-06-SO-092523	SS	G	9/25/2023	1203	—	—			1	X	
ABN02-SW6-06-SO-092523	SS	G	9/25/2023	1205	—	—			1	X	
ABN02-BTM10-06-SO-092523	SS	G	9/25/2023	1208	—	—			1	X	
ABN02-BTM6-06-SO-092523	SS	G	9/25/2023	1222	—	—			1	X	
ABN02-BTM9-06-SO-092523	SS	G	9/25/2023	1237	—	—			1	X	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Printed Name P. Denise Radaich PDR PDR

Signature P. Denise Radaich

Additional Instructions from Pace®:

Coolers: / Thermometer ID: / Correction Factor (°C): / Obs. Temp. (°C): / Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PDR	9/27/23 1000 PDR		9/27/23 1100
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20290987

PM: MM1 Due Date: 10/04/23

CLIENT: 20-URS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge
Street Address: 8555 United Plaza, Suite 300, Baton Rouge, 70809
Customer Project #: 60639309
Project Name: CLECO DOLET HILLS
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION, MANSFIELD, LA
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET

Contact/Report To: Angela Harrigal
Phone #: 440-552-4378
E-Mail: angela.harrigal@aecom.com
Cc E-Mail: dradaich@geoengineers.com
Invoice to: ACCOUNTS PAYABLE
Invoice E-mail: usapimaging@aecom.com
Purchase Order # (if applicable):
Quote #:
County / State origin of sample(s): DeSoto Parish, LA

Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other
Date Results Requested:
DW PWSID # or WW Permit # as applicable:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size:**
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Composite End Date	Time	Res. Cl2	Number & Type of Containers: Plastic	Glass	6020B Metals	Sample Comment
ABN02-SW8-06-SO-092523	SS	G	9/25/2023	1240	—	—			1	X	Metals to be Run and Reported: Barium, Cobalt, Copper, Nickel, Vanadium, Zinc
ABN02-SW9-06-SO-092523	SS	G	9/25/2023	1249	—	—			1	X	
ABN01-BTM4-06-SO-092523	SS	G	9/25/2023	1412	—	—			1	X	
ABN01-SW3-06-SO-092523	SS	G	9/25/2023	1414	—	—			1	X	
ABN01-BTM9-06-SO-092523	SS	G	9/25/2023	1418	—	—			1	X	
ABN01-SW4-06-SO-092523	SS	G	9/25/2023	1425	—	—			1	X	
ABN01-BTM3-06-SO-092523	SS	G	9/25/2023	1444	—	—			1	X	
ABN01-SW2-06-SO-092523	SS	G	9/25/2023	1448	—	—			1	X	
ABN01-BTM1-06-SO-092523	SS	G	9/25/2023	1455	—	—			1	X	
ABN01-BTM2-06-SO-092523	SS	G	9/25/2023	1459	—	—			1	X	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Printed Name: P. Denise Radaich PDR PDR
Signature: P. Denise Radaich

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/27/23 1000 PDR		9/27/23 11:00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 3 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20290987

PM: MM1 Due Date: 10/04/23

CLIENT: 20-URS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300 Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
	Cc E-Mail: dradaich@geoengineers.com
Customer Project #: 60639309	Invoice to: ACCOUNTS PAYABLE
Project Name: CLECO DOLET HILLS	Invoice E-mail: usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	6020B Metals	Sample Comment
ABN01-SW1-06-SO-092523	SS	G	9/25/2023	1522	—	—			1	X	Metals to be Run and Reported: Barium, Cobalt, Copper, Nickel, Vanadium, Zinc
ABN01-BTM5-06-SO-092523	SS	G	9/25/2023	1536	—	—			1	X	
ABN01-BTM6-06-SO-092523	SS	G	9/25/2023	1546	—	—			1	X	
ABN01-SW8-06-MS/MSD-092523	SS	G	9/25/2023	1548	—	—			1	X	
ABN01-SW8-06-SO-092523	SS	G	9/25/2023	1548	—	—			1	X	
ABN01-SW8-06-SO- PDR	SS	G	9/25/2023	1548	—	—			1	X	
ABN01-SW8-06-DUP-092523	SS	G	9/25/2023	1548	—	—			1	X	
ABN01-BTM7-06-SO-092523	SS	G	9/25/2023	1551	—	—			1	X	
ABN01-BTM8-06-SO-092523	SS	G	9/25/2023	1557	—	—			1	X	
ABN01-BTM10-06-SO-092523	SS	G	9/25/2023	1609	—	—			1	X	

PDR

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Printed Name: P. Denise Radaich PDR PDR Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time: 9/27/23 1000 PDR	Received by/Company: (Signature)	Date/Time: 9/27/23 11:00	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20290987

PM: MM1 Due Date: 10/04/23

CLIENT: 20-URS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300 Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
	Cc E-Mail: dradaich@geoengineers.com
Customer Project #: 60639309	Invoice to: ACCOUNTS PAYABLE
Project Name: CLECO DOLET HILLS	Invoice E-mail: usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals	Sample Comment
ABN01-SW7-06-SO-092523	SS	G	9/25/2023	1617	—	—			1	X	Metals to be Run and Reported: Barium, Cobalt, Copper, Nickel, Vanadium, Zinc
ABN01-BTM12-06-SO-092523	SS	G	9/25/2023	1620	—	—			1	X	
ABN01-SW6-06-SO-092523	SS	G	9/25/2023	1621	—	—			1	X	
ABN01-SW5-06-SO-092523	SS	G	9/25/2023	1625	—	—			1	X	
ABN01-BTM11-06-SO-092523	SS	G	9/25/2023	1634					1	X	
	SS	G	9/25/2023						1	X	
	SS	G	9/25/2023						1	X	
	SS	G	9/25/2023						1	X	
	SS	G	9/25/2023						1	X	
	SS	G	9/25/2023						1	X	

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample:

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Printed Name P. Denise PDR Radaich PDR Signature P. Denise

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time: 9/27/23 1600 PDR	Received by/Company: (Signature)	Date/Time: 9/28/23 11:02	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 5 of 5

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ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20290987

PM: MM1 Due Date: 10/04/23

CLIENT: 20-URS

Pace

Sample Condition Upon Recie

Workorder #: _____

7979 Innovation Park Dr. Baton Rouge, LA 70806

Cooler Inspected by/date: BSL 9/27/23

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☑ No		Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: IR3 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	1.6	(Actual/True)
Cooler #2	Cooler Temp °C:	2.1	(Actual/True)
Cooler #3	Cooler Temp °C:	3.2	(Actual/True)
Cooler #4	Cooler Temp °C:	0.3	(Actual/True)

Samples on ice: ☑ Yes ☐ No

pH Strip Lot #:

Method of coolant: ☐ Wet ☑ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) recieved?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager notified via email.	
☑ Yes	☐ No		Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No		Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No		Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No		Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No		Were tests to be performed listed on the COC?	
☑ Yes	☐ No		Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No		Was adequate sample volume available?	
☑ Yes	☐ No		Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No		Were all samples containers accounted for? (No missing / excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☐ Yes	☐ No	☑ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO_3 _____ H_2SO_4 _____ NaOH _____ Date: _____ Time: _____

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

February 22, 2024

Angela Harrigal
AECOM

,

RE: Project: Cleco Dolet Hills
Pace Project No.: 20292187

Dear Angela Harrigal:

Enclosed are the analytical results for sample(s) received by the laboratory on October 06, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Baton Rouge

2/22/2024- This report supersedes and replaces any prior reports issued under this workorder. This report was revised to report lead and thallium for sample -012, per the client's request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(225) 769-4900
Project Manager

Enclosures

cc: Denise Radaich, Geoengineers

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project:	Cleco Dolet Hills
Pace Project No.:	20292187

Pace Analytical Services Baton Rouge
7979 Innovation Park Drive Ste A, Baton Rouge, LA 70820-7402
Louisiana Dept of Enviromental Quality (NELAC/LELAP): 01979
Florida Dept of Health (NELAC/FELAP): E87854
DoD ELAP (A2LA) #: 6429.01
Alabama DEM #: 41900
Alaska DEC-DW #: LA00024
Alaska DEC CS-LAP #: 21-001
Arkansas DEQ #: 88-0655
California ELAP #: 3063
Georgia DPD #: C050
Hawaii DOH State Laboratories Division
Illinois EPA #: 200048
Kansas DoHE #: E-10354
Kentucky DEP UST Branch #: 123054
Louisiana DOH #: LA036
Minnesota DOH #: 2233799
Mississippi State Dept of Health
Montana Department of Environmental Quality
Nebraska DHHS #: NE-OS-35.21
Nevada DCNR DEP #: LA00024
New York DOH #: 12149
North Carolina DEQ - WW & GW #: 618
North Dakota DEQ #: R195
Ohio EPA #: 87782
Oklahoma Dept of Environmental Quality #: 9403
Oregon ELAP #: 4168
Pennsylvania Dept of Environmental Protection #: 68-05973
South Carolina DHEC #: 73006001
Texas CEQ #: T104704178-23-15
Utah DOH #: LA00024
Virginia DCLS #: 6460215
Washington Dept of Ecology #: C929
Wisconsin DNR #: 399139510

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20292187001	**SPOND-BTM1-06-SO-100523**	Solid	10/05/23 11:02	10/06/23 08:30
20292187002	**SPOND-BTM2-06-SO-100523**	Solid	10/05/23 10:55	10/06/23 08:30
20292187003	**SPOND-BTM3-06-SO-100523**	Solid	10/05/23 10:26	10/06/23 08:30
20292187004	**SPOND-BTM4-06-SO-100523**	Solid	10/05/23 10:40	10/06/23 08:30
20292187005	**SPOND-BTM5-06-SO-100523**	Solid	10/05/23 10:15	10/06/23 08:30
20292187006	**SPOND-BTM6-06-SO-100523**	Solid	10/05/23 10:38	10/06/23 08:30
20292187007	**SPOND-SW1-06-SO-100523**	Solid	10/05/23 11:03	10/06/23 08:30
20292187008	**SPOND-SW2-06-SO-100523**	Solid	10/05/23 10:42	10/06/23 08:30
20292187009	**SPOND-SW3-06-SO-100523**	Solid	10/05/23 10:33	10/06/23 08:30
20292187010	**SPOND-SW4-06-SO-100523**	Solid	10/05/23 10:21	10/06/23 08:30
20292187011	**SPOND-SW5-06-SO-100523**	Solid	10/05/23 11:07	10/06/23 08:30
20292187012	**MCP-SW4-06-SO-100523**	Solid	10/05/23 08:45	10/06/23 08:30
20292187013	**SPOND-RS-LI-100523**	Water	10/05/23 14:20	10/06/23 08:30
20292187014	**SPOND-RS-LI-100523**	Water	10/05/23 14:22	10/06/23 08:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20292187001	**SPOND-BTM1-06-SO-100523**	EPA 6020B	TDM	6
20292187002	**SPOND-BTM2-06-SO-100523**	EPA 6020B	TDM	6
20292187003	**SPOND-BTM3-06-SO-100523**	EPA 6020B	TDM	6
20292187004	**SPOND-BTM4-06-SO-100523**	EPA 6020B	TDM	6
20292187005	**SPOND-BTM5-06-SO-100523**	EPA 6020B	TDM	6
20292187006	**SPOND-BTM6-06-SO-100523**	EPA 6020B	TDM	6
20292187007	**SPOND-SW1-06-SO-100523**	EPA 6020B	TDM	6
20292187008	**SPOND-SW2-06-SO-100523**	EPA 6020B	TDM	6
20292187009	**SPOND-SW3-06-SO-100523**	EPA 6020B	TDM	6
20292187010	**SPOND-SW4-06-SO-100523**	EPA 6020B	TDM	6
20292187011	**SPOND-SW5-06-SO-100523**	EPA 6020B	TDM	6
20292187012	**MCP-SW4-06-SO-100523**	EPA 6020B	TDM	8
20292187013	**SPOND-RS-LI-100523**	EPA 6020B	TDM	6
20292187014	**SPOND-RS-LI-100523**	EPA 6020B	TDM	6

PASI-BR = Pace Analytical Services - Baton Rouge

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Sample: SPOND-BTM1-06-SO-100523 **Lab ID: 20292187001** Collected: 10/05/23 11:02 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**157**	mg/kg	0.48	10	10/09/23 10:17	10/11/23 17:50	7440-39-3	M1
Cobalt	**11.0**	mg/kg	0.48	10	10/09/23 10:17	10/11/23 17:50	7440-48-4	M1
Copper	**11.6**	mg/kg	0.48	10	10/09/23 10:17	10/11/23 17:50	7440-50-8	M1
Nickel	**22.1**	mg/kg	0.96	10	10/09/23 10:17	10/11/23 17:50	7440-02-0	M1
Vanadium	**19.4**	mg/kg	0.48	10	10/09/23 10:17	10/11/23 17:50	7440-62-2	M1
Zinc	**71.8**	mg/kg	9.6	10	10/09/23 10:17	10/11/23 17:50	7440-66-6	

Sample: SPOND-BTM2-06-SO-100523 **Lab ID: 20292187002** Collected: 10/05/23 10:55 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**66.4**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 16:37	7440-39-3	
Cobalt	**10.1**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 16:37	7440-48-4	
Copper	**11.6**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 16:37	7440-50-8	
Nickel	**24.4**	mg/kg	0.92	10	10/09/23 10:17	10/10/23 16:37	7440-02-0	
Vanadium	**16.4**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 16:37	7440-62-2	
Zinc	**76.1**	mg/kg	9.2	10	10/09/23 10:17	10/10/23 16:37	7440-66-6	

Sample: SPOND-BTM3-06-SO-100523 **Lab ID: 20292187003** Collected: 10/05/23 10:26 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**166**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:40	7440-39-3	
Cobalt	**9.7**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:40	7440-48-4	
Copper	**18.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:40	7440-50-8	
Nickel	**25.2**	mg/kg	0.94	10	10/09/23 10:17	10/10/23 16:40	7440-02-0	
Vanadium	**23.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:40	7440-62-2	
Zinc	**159**	mg/kg	9.4	10	10/09/23 10:17	10/10/23 16:40	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Sample: SPOND-BTM4-06-SO-100523 **Lab ID: 20292187004** Collected: 10/05/23 10:40 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**73.5**	mg/kg	0.45	10	10/09/23 10:17	10/10/23 16:44	7440-39-3	
Cobalt	**8.7**	mg/kg	0.45	10	10/09/23 10:17	10/10/23 16:44	7440-48-4	
Copper	**8.8**	mg/kg	0.45	10	10/09/23 10:17	10/10/23 16:44	7440-50-8	
Nickel	**22.6**	mg/kg	0.90	10	10/09/23 10:17	10/10/23 16:44	7440-02-0	
Vanadium	**15.3**	mg/kg	0.45	10	10/09/23 10:17	10/10/23 16:44	7440-62-2	
Zinc	**63.7**	mg/kg	9.0	10	10/09/23 10:17	10/10/23 16:44	7440-66-6	

Sample: SPOND-BTM5-06-SO-100523 **Lab ID: 20292187005** Collected: 10/05/23 10:15 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**92.3**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:48	7440-39-3	
Cobalt	**8.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:48	7440-48-4	
Copper	**9.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:48	7440-50-8	
Nickel	**17.9**	mg/kg	0.93	10	10/09/23 10:17	10/10/23 16:48	7440-02-0	
Vanadium	**17.2**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:48	7440-62-2	
Zinc	**54.6**	mg/kg	9.3	10	10/09/23 10:17	10/10/23 16:48	7440-66-6	

Sample: SPOND-BTM6-06-SO-100523 **Lab ID: 20292187006** Collected: 10/05/23 10:38 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**76.8**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:58	7440-39-3	
Cobalt	**8.0**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:58	7440-48-4	
Copper	**8.9**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:58	7440-50-8	
Nickel	**19.5**	mg/kg	0.94	10	10/09/23 10:17	10/10/23 16:58	7440-02-0	
Vanadium	**14.6**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 16:58	7440-62-2	
Zinc	**56.6**	mg/kg	9.4	10	10/09/23 10:17	10/10/23 16:58	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Sample: SPOND-SW1-06-SO-100523 **Lab ID: 20292187007** Collected: 10/05/23 11:03 Received: 10/06/23 08:30 Matrix: Solid
Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**66.3**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:02	7440-39-3	
Cobalt	**9.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:02	7440-48-4	
Copper	**11.3**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:02	7440-50-8	
Nickel	**25.3**	mg/kg	0.94	10	10/09/23 10:17	10/10/23 17:02	7440-02-0	
Vanadium	**15.7**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:02	7440-62-2	
Zinc	**66.7**	mg/kg	9.4	10	10/09/23 10:17	10/10/23 17:02	7440-66-6	

Sample: SPOND-SW2-06-SO-100523 **Lab ID: 20292187008** Collected: 10/05/23 10:42 Received: 10/06/23 08:30 Matrix: Solid
Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**109**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:05	7440-39-3	
Cobalt	**9.2**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:05	7440-48-4	
Copper	**11.7**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:05	7440-50-8	
Nickel	**22.2**	mg/kg	0.94	10	10/09/23 10:17	10/10/23 17:05	7440-02-0	
Vanadium	**17.2**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:05	7440-62-2	
Zinc	**67.7**	mg/kg	9.4	10	10/09/23 10:17	10/10/23 17:05	7440-66-6	

Sample: SPOND-SW3-06-SO-100523 **Lab ID: 20292187009** Collected: 10/05/23 10:33 Received: 10/06/23 08:30 Matrix: Solid
Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**72.9**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 17:09	7440-39-3	
Cobalt	**8.4**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 17:09	7440-48-4	
Copper	**8.8**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 17:09	7440-50-8	
Nickel	**19.9**	mg/kg	0.92	10	10/09/23 10:17	10/10/23 17:09	7440-02-0	
Vanadium	**14.1**	mg/kg	0.46	10	10/09/23 10:17	10/10/23 17:09	7440-62-2	
Zinc	**59.4**	mg/kg	9.2	10	10/09/23 10:17	10/10/23 17:09	7440-66-6	

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ANALYTICAL RESULTS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Sample: SPOND-SW4-06-SO-100523 **Lab ID: 20292187010** Collected: 10/05/23 10:21 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**93.2**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:12	7440-39-3	
Cobalt	**10.1**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:12	7440-48-4	
Copper	**10.5**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:12	7440-50-8	
Nickel	**22.9**	mg/kg	0.96	10	10/09/23 10:17	10/10/23 17:12	7440-02-0	
Vanadium	**17.4**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:12	7440-62-2	
Zinc	**66.2**	mg/kg	9.6	10	10/09/23 10:17	10/10/23 17:12	7440-66-6	

Sample: SPOND-SW5-06-SO-100523 **Lab ID: 20292187011** Collected: 10/05/23 11:07 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**77.1**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:16	7440-39-3	
Cobalt	**9.2**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:16	7440-48-4	
Copper	**11.7**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:16	7440-50-8	
Nickel	**21.0**	mg/kg	0.94	10	10/09/23 10:17	10/10/23 17:16	7440-02-0	
Vanadium	**15.8**	mg/kg	0.47	10	10/09/23 10:17	10/10/23 17:16	7440-62-2	
Zinc	**72.0**	mg/kg	9.4	10	10/09/23 10:17	10/10/23 17:16	7440-66-6	

Sample: MCP-SW4-06-SO-100523 **Lab ID: 20292187012** Collected: 10/05/23 08:45 Received: 10/06/23 08:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Soil	Analytical Method: EPA 6020B Preparation Method: EPA 3050B Pace Analytical Services - Baton Rouge							
Barium	**195**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7440-39-3	
Cobalt	**8.7**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7440-48-4	
Copper	**97.8**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7440-50-8	
Lead	**8.1**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7439-92-1	
Nickel	**27.3**	mg/kg	0.96	10	10/09/23 10:17	10/10/23 17:20	7440-02-0	
Thallium	ND	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7440-28-0	
Vanadium	**32.7**	mg/kg	0.48	10	10/09/23 10:17	10/10/23 17:20	7440-62-2	
Zinc	**59.8**	mg/kg	9.6	10	10/09/23 10:17	10/10/23 17:20	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Sample: SPOND-RS-LI-100523 **Lab ID: 20292187013** Collected: 10/05/23 14:20 Received: 10/06/23 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:54	7440-39-3	
Cobalt	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:54	7440-48-4	
Copper	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:54	7440-50-8	
Nickel	ND	ug/L	2.0	1	10/09/23 07:09	10/10/23 14:54	7440-02-0	
Vanadium	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:54	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/09/23 07:09	10/10/23 14:54	7440-66-6	

Sample: SPOND-RS-LI-100523 **Lab ID: 20292187014** Collected: 10/05/23 14:22 Received: 10/06/23 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**1.3**	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:57	7440-39-3	
Cobalt	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:57	7440-48-4	
Copper	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:57	7440-50-8	
Nickel	ND	ug/L	2.0	1	10/09/23 07:09	10/10/23 14:57	7440-02-0	
Vanadium	ND	ug/L	1.0	1	10/09/23 07:09	10/10/23 14:57	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/09/23 07:09	10/10/23 14:57	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Cleco Dolet Hills
Pace Project No.: 20292187

QC Batch: 302685
QC Batch Method: EPA 3050B
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Soil
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20292187001, 20292187002, 20292187003, 20292187004, 20292187005, 20292187006, 20292187007, 20292187008, 20292187009, 20292187010, 20292187011, 20292187012

METHOD BLANK: 1448590 Matrix: Solid
Associated Lab Samples: 20292187001, 20292187002, 20292187003, 20292187004, 20292187005, 20292187006, 20292187007, 20292187008, 20292187009, 20292187010, 20292187011, 20292187012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	mg/kg	ND	0.048	10/10/23 16:12	
Cobalt	mg/kg	ND	0.048	10/10/23 16:12	
Copper	mg/kg	ND	0.048	10/10/23 16:12	
Lead	mg/kg	ND	0.048	10/10/23 16:12	
Nickel	mg/kg	ND	0.096	10/10/23 16:12	
Thallium	mg/kg	ND	0.048	10/10/23 16:12	
Vanadium	mg/kg	ND	0.048	10/10/23 16:12	
Zinc	mg/kg	ND	0.96	10/10/23 16:12	

LABORATORY CONTROL SAMPLE: 1448591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	2	1.9	96	80-120	
Cobalt	mg/kg	2	2.0	98	80-120	
Copper	mg/kg	2	1.9	97	80-120	
Lead	mg/kg	2	1.9	95	80-120	
Nickel	mg/kg	4	3.9	97	80-120	
Thallium	mg/kg	2	1.9	95	80-120	
Vanadium	mg/kg	2	1.9	97	80-120	
Zinc	mg/kg	40	37.8	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1448592 1448593

Parameter	Units	20292187001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	mg/kg	157	2	2	112	132	-2270	-1230	86-116	17	20	M1,M3
Cobalt	mg/kg	11.0	2	2	11.1	11.8	7	45	84-115	7	20	M1,M3
Copper	mg/kg	11.6	2	2	12.6	13.5	47	95	84-119	7	20	M1
Lead	mg/kg	8.4	2	2	10.8	11.0	119	131	84-118	2	20	
Nickel	mg/kg	22.1	4	4	25.3	27.9	81	145	84-119	10	20	M1,M3
Thallium	mg/kg	ND	2	2	1.8	1.9	84	88	83-118	4	20	
Vanadium	mg/kg	19.4	2	2	23.3	25.2	195	289	82-116	8	20	M1,M3
Zinc	mg/kg	71.8	40	40	106	112	86	100	82-119	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Cleco Dolet Hills
Pace Project No.: 20292187

QC Batch: 302626
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Water
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20292187013, 20292187014

METHOD BLANK: 1448453 Matrix: Water
Associated Lab Samples: 20292187013, 20292187014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	1.0	10/09/23 17:18	
Cobalt	ug/L	ND	1.0	10/09/23 17:18	
Copper	ug/L	ND	1.0	10/09/23 17:18	
Nickel	ug/L	ND	2.0	10/09/23 17:18	
Vanadium	ug/L	ND	1.0	10/09/23 17:18	
Zinc	ug/L	ND	20.0	10/09/23 17:18	

LABORATORY CONTROL SAMPLE: 1448454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	50	46.3	93	86-114	
Cobalt	ug/L	50	46.8	94	86-115	
Copper	ug/L	50	45.1	90	85-118	
Nickel	ug/L	100	92.2	92	85-117	
Vanadium	ug/L	50	46.4	93	86-115	
Zinc	ug/L	1000	959	96	83-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1448455 1448456

Parameter	Units	20292108001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	36.8	50	50	86.8	84.0	100	94	86-114	3	20	
Cobalt	ug/L	10.0U	50	50	51.3	49.0	103	98	86-115	5	20	
Copper	ug/L	10.0U	50	50	49.1	47.3	97	93	85-118	4	20	
Nickel	ug/L	20.0U	100	100	94.7	86.7	95	87	85-117	9	20	
Vanadium	ug/L	10.0U	50	50	51.9	49.2	103	97	86-115	5	20	
Zinc	ug/L	200U	1000	1000	1070	1030	104	100	83-119	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Cleco Dolet Hills
Pace Project No.: 20292187

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Cleco Dolet Hills
Pace Project No.: 20292187

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20292187001	**SPOND-BTM1-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187002	**SPOND-BTM2-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187003	**SPOND-BTM3-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187004	**SPOND-BTM4-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187005	**SPOND-BTM5-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187006	**SPOND-BTM6-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187007	**SPOND-SW1-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187008	**SPOND-SW2-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187009	**SPOND-SW3-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187010	**SPOND-SW4-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187011	**SPOND-SW5-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187012	**MCP-SW4-06-SO-100523**	EPA 3050B	302685	EPA 6020B	302773
20292187013	**SPOND-RS-LI-100523**	EPA 3010A	302626	EPA 6020B	302777
20292187014	**SPOND-RS-LI-100523**	EPA 3010A	302626	EPA 6020B	302777

WO#: 20292187

20292187

Scan QR Code for instructions

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300 Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
	Cc E-Mail: dradaich@geoengineers.com
Customer Project #: 60639309	Invoice to: ACCOUNTS PAYABLE
Project Name: CLECO DOLET HILLS	Invoice E-mail: usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [X] 5 day [ ] Other Date Results Requested:
	DW PWSID # or WW Permit # as applicable: Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals	Specify Container Size **	Identify Container Preservative Type***	Analysis Requested	Sample Comment	Preservation non-conformance identified for sample
SPOND-BTM1-06-SO-100523	SS	G	10/5/2023	1102					1	X				Metals to be Run and Reported:	1
SPOND-BTM2-06-SO-100523	SS	G	10/5/2023	1055					1	X					2
SPOND-BTM3-06-SO-100523	SS	G	10/5/2023	1026					1	X				Barium	3
SPOND-BTM4-06-SO-100523	SS	G	10/5/2023	1040					1	X				Cobalt	4
SPOND-BTM5-06-SO-100523	SS	G	10/5/2023	1015					1	X				Copper	5
SPOND-BTM6-06-SO-100523	SS	G	10/5/2023	1038					1	X				Nickel	6
SPOND-SW1-06-SO-100523	SS	G	10/5/2023	1103					1	X				Vanadium	7
SPOND-SW2-06-SO-100523	SS	G	10/5/2023	1042					1	X				Zinc	8
SPOND-SW3-06-SO-100523	SS	G	10/5/2023	1033					1	X					9
SPOND-SW4-06-SO-100523	SS	G	10/5/2023	1021					1	X					10

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: P. Denise Radonick

Printed Name: P. Denise Radonick

Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time: 10/6/2023 0830	Received by/Company: (Signature) Pace Lab	Date/Time: 10-6-23 0830	Tracking Number:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of	

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20292187

PM: MM1 Due Date: 10/13/23

CLIENT: 20-URS

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Scan QR Code for instructions

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300 Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
Customer Project #: 60639309	Cc E-Mail: dradaich@geoengineers.com
Project Name: CLECO DOLET HILLS	Invoice to: ACCOUNTS PAYABLE
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Invoice E-mail: usapimaging@aecom.com
	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [X] 5 day [ ] Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals
SPOND-SW5-06-SO-100523	SS	G	10/05/2023	1107					1	X
MCP-SW4-06-SO-100523	SS	G	10/05/2023	0845					1	X
SPOND-RS-LI-100523	SS	G	10/05/23	1420				1	1 PDR	X
SPOND-RS-LI-100523	SS	G	10/05/2023	1422				1	1	X
	SS	G							1	X
	SS	G							1	X
	SS	G							1	X
	SS	G							1	X
	SS	G							1	X
	SS	G							1	X

PDR

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: | AcctNum / Client ID: | Table #: | Profile / Template: | Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Sample Comment	
Metals to be Run and Reported:	11
Barium	12
Cobalt	13
Copper	14
Nickel	
Vanadium	
Zinc	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Printed Name: PI Denise Radaich Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):

Relinquished by/Company: (Signature)	Date/Time: 10/6/2023 0830	Received by/Company: (Signature) Pace Lab	Date/Time: 10-6-23 0830	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20292187

PM: MM1 **Due Date: 10/13/23**

CLIENT: 20-URS

Pace

Sample Condition Upon Receipt (SCUR)

Workorder #: _____

7979 Innovation Park Dr. Baton Rouge, LA 70806

Cooler Inspected by/date: MG / 10-6-23

Means of receipt: ☐ Pace ☒ Client ☐ UPS ☐ FedEx ☐ Other: _____

☒ Yes	☐ No		Were custody seals present on the cooler?
☒ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☒ Against Bottles IR Gun ID: IRTMD6 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C: 3.3°	(Actual/True)	Samples on ice ☒ Yes ☐ No; pH Strip Lot # 22P222
Cooler #2	Cooler Temp °C: _____	(Actual/True)	
Cooler #3	Cooler Temp °C: _____	(Actual/True)	Method of coolant: ☒ Wet ☐ Ice Packs ☐ Dry Ice ☐ None
Cooler #4	Cooler Temp °C: _____	(Actual/True)	

Tracking #:

☐ Yes	☒ No	☐ NA	Is a temperature blank present?	
☒ Yes	☐ No	☐ NA	Was a chain of custody (COC) recieved?	
☐ Yes	☒ No	☐ NA	Was the line and profile number listed on the COC?	
☒ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager notified via email.	
☒ Yes	☐ No		Were proper custody procedures (relinquished/received) followed?	
☒ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☒ Yes	☐ No		Were sample IDs listed on the COC and all sample containers?	
☒ Yes	☐ No		Was collection date & time listed on the COC and all sample containers?	
☒ Yes	☐ No		Did all container label information (ID, date, time) agree with the COC?	
☒ Yes	☐ No		Were tests to be performed listed on the COC?	
☒ Yes	☐ No		Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?	
☒ Yes	☐ No		Was adequate sample volume available?	
☒ Yes	☐ No		Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☒ Yes	☐ No		Were all samples containers accounted for? (No missing / excess)	
☐ Yes	☐ No	☒ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☒ NA	Trip blank present?	
☐ Yes	☐ No	☒ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☒ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☒ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO_3 _____ H_2SO_4 _____ NaOH _____ Date: _____ Time: _____

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

October 25, 2023

Angela Harrigal
AECOM

,

RE: Project: Dolet Hills
Pace Project No.: 20294051

Dear Angela Harrigal:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Baton Rouge

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa MacNaughton

Melissa MacNaughton
melissa.macnaughton@pacelabs.com
(225) 678-1833
Project Manager

Enclosures

cc: Denise Radaich, Geoengineers

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: Dolet Hills
Pace Project No.: 20294051

Pace Analytical Services Baton Rouge
7979 Innovation Park Drive Ste A, Baton Rouge, LA 70820-7402
Louisiana Dept of Enviromental Quality (NELAC/LELAP): 01979
Florida Dept of Health (NELAC/FELAP): E87854
DoD ELAP (A2LA) #: 6429.01
Alabama DEM #: 41900
Alaska DEC-DW #: LA00024
Alaska DEC CS-LAP #: 21-001
Arkansas DEQ #: 88-0655
California ELAP #: 3063
Georgia DPD #: C050
Hawaii DOH State Laboratories Division
Illinois EPA #: 200048
Kansas DoHE #: E-10354
Kentucky DEP UST Branch #: 123054
Louisiana DOH #: LA036
Minnesota DOH #: 2233799
Mississippi State Dept of Health
Montana Department of Environmental Quality
Nebraska DHHS #: NE-OS-35.21
Nevada DCNR DEP #: LA00024
New York DOH #: 12149
North Carolina DEQ - WW & GW #: 618
North Dakota DEQ #: R195
Ohio EPA #: 87782
Oklahoma Dept of Environmental Quality #: 9403
Oregon ELAP #: 4168
Pennsylvania Dept of Environmental Protection #: 68-05973
South Carolina DHEC #: 73006001
Texas CEQ #: T104704178-23-15
Utah DOH #: LA00024
Virginia DCLS #: 6460215
Washington Dept of Ecology #: C929
Wisconsin DNR #: 399139510

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: Dolet Hills
Pace Project No.: 20294051

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20294051001	**ABNO2-TPW1-LI-101723**	Water	10/17/23 10:46	10/20/23 14:00
20294051002	**ABNO2-TPW2-LI-101723**	Water	10/17/23 14:43	10/20/23 14:00
20294051003	**ABNO2-TPW3-LI-101723**	Water	10/17/23 15:25	10/20/23 14:00
20294051004	**ABNO1-TPW1-LI-101823**	Water	10/18/23 16:15	10/20/23 14:00
20294051005	**ABNO1-TPW2-LI-101823**	Water	10/18/23 16:43	10/20/23 14:00
20294051006	**ABNO1-TPW3-LI-101923**	Water	10/19/23 09:15	10/20/23 14:00

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: Dolet Hills
Pace Project No.: 20294051

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20294051001	**ABNO2-TPW1-LI-101723**	EPA 6020B	TDM	6
		SM 2320B	MMP	1
20294051002	**ABNO2-TPW2-LI-101723**	EPA 6020B	TDM	6
		SM 2320B	MMP	1
20294051003	**ABNO2-TPW3-LI-101723**	EPA 6020B	TDM	6
		SM 2320B	MMP	1
20294051004	**ABNO1-TPW1-LI-101823**	EPA 6020B	TDM	6
		SM 2320B	MMP	1
20294051005	**ABNO1-TPW2-LI-101823**	EPA 6020B	TDM	6
		SM 2320B	MMP	1
20294051006	**ABNO1-TPW3-LI-101923**	EPA 6020B	TDM	6
		SM 2320B	MMP	1

PASI-BR = Pace Analytical Services - Baton Rouge

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: Dolet Hills
Pace Project No.: 20294051

Sample: ABNO2-TPW1-LI-101723 **Lab ID: 20294051001** Collected: 10/17/23 10:46 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**124**	ug/L	1.0	1	10/23/23 08:48	10/24/23 16:59	7440-39-3	
Cobalt	**23.9**	ug/L	1.0	1	10/23/23 08:48	10/24/23 16:59	7440-48-4	
Copper	**1.6**	ug/L	1.0	1	10/23/23 08:48	10/24/23 16:59	7440-50-8	
Nickel	**27.6**	ug/L	2.0	1	10/23/23 08:48	10/24/23 16:59	7440-02-0	
Vanadium	**2.3**	ug/L	1.0	1	10/23/23 08:48	10/24/23 16:59	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/23/23 08:48	10/24/23 16:59	7440-66-6	
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**369**	mg/L	1.0	1		10/23/23 10:25		

Sample: ABNO2-TPW2-LI-101723 **Lab ID: 20294051002** Collected: 10/17/23 14:43 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**74.1**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:07	7440-39-3	
Cobalt	**2.3**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:07	7440-48-4	
Copper	ND	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:07	7440-50-8	
Nickel	**3.4**	ug/L	2.0	1	10/23/23 08:48	10/24/23 17:07	7440-02-0	
Vanadium	ND	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:07	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/23/23 08:48	10/24/23 17:07	7440-66-6	
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**271**	mg/L	1.0	1		10/23/23 10:28		

Sample: ABNO2-TPW3-LI-101723 **Lab ID: 20294051003** Collected: 10/17/23 15:25 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**68.2**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:14	7440-39-3	
Cobalt	**35.1**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:14	7440-48-4	
Copper	**4.8**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:14	7440-50-8	
Nickel	**24.1**	ug/L	2.0	1	10/23/23 08:48	10/24/23 17:14	7440-02-0	
Vanadium	**7.8**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:14	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/23/23 08:48	10/24/23 17:14	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: Dolet Hills
Pace Project No.: 20294051

Sample: ABNO2-TPW3-LI-101723 **Lab ID: 20294051003** Collected: 10/17/23 15:25 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**641**	mg/L	1.0	1		10/23/23 10:31		

Sample: ABNO1-TPW1-LI-101823 **Lab ID: 20294051004** Collected: 10/18/23 16:15 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**110**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:21	7440-39-3	
Cobalt	**27.0**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:21	7440-48-4	
Copper	**4.9**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:21	7440-50-8	
Nickel	**81.8**	ug/L	2.0	1	10/23/23 08:48	10/24/23 17:21	7440-02-0	
Vanadium	**2.8**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:21	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/23/23 08:48	10/24/23 17:21	7440-66-6	
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**424**	mg/L	1.0	1		10/23/23 10:38		

Sample: ABNO1-TPW2-LI-101823 **Lab ID: 20294051005** Collected: 10/18/23 16:43 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**118**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:28	7440-39-3	
Cobalt	**32.3**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:28	7440-48-4	
Copper	**46.4**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:28	7440-50-8	
Nickel	**58.8**	ug/L	2.0	1	10/23/23 08:48	10/24/23 17:28	7440-02-0	
Vanadium	**9.1**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:28	7440-62-2	
Zinc	**124**	ug/L	20.0	1	10/23/23 08:48	10/24/23 17:28	7440-66-6	
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**453**	mg/L	1.0	1		10/23/23 10:41		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: Dolet Hills
Pace Project No.: 20294051

Sample: ABNO1-TPW3-LI-101923 **Lab ID: 20294051006** Collected: 10/19/23 09:15 Received: 10/20/23 14:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BR 6020B Metals Water	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Baton Rouge							
Barium	**199**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:35	7440-39-3	
Cobalt	**13.2**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:35	7440-48-4	
Copper	**6.1**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:35	7440-50-8	
Nickel	**32.4**	ug/L	2.0	1	10/23/23 08:48	10/24/23 17:35	7440-02-0	
Vanadium	**1.4**	ug/L	1.0	1	10/23/23 08:48	10/24/23 17:35	7440-62-2	
Zinc	ND	ug/L	20.0	1	10/23/23 08:48	10/24/23 17:35	7440-66-6	
BR 2320B Alkalinity	Analytical Method: SM 2320B Pace Analytical Services - Baton Rouge							
Alkalinity, Total as CaCO3	**392**	mg/L	1.0	1		10/23/23 10:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: Dolet Hills
Pace Project No.: 20294051

QC Batch: 304632
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: BR 6020B Metals Water
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20294051001, 20294051002, 20294051003, 20294051004, 20294051005, 20294051006

METHOD BLANK: 1458434 Matrix: Water
Associated Lab Samples: 20294051001, 20294051002, 20294051003, 20294051004, 20294051005, 20294051006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Barium	ug/L	ND	1.0	10/24/23 16:27	
Cobalt	ug/L	ND	1.0	10/24/23 16:27	
Copper	ug/L	ND	1.0	10/24/23 16:27	
Nickel	ug/L	ND	2.0	10/24/23 16:27	
Vanadium	ug/L	ND	1.0	10/24/23 16:27	
Zinc	ug/L	ND	20.0	10/24/23 16:27	

LABORATORY CONTROL SAMPLE: 1458435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	50	51.1	102	86-114	
Cobalt	ug/L	50	51.5	103	86-115	
Copper	ug/L	50	51.3	103	85-118	
Nickel	ug/L	100	103	103	85-117	
Vanadium	ug/L	50	51.1	102	86-115	
Zinc	ug/L	1000	1020	102	83-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1458436 1458437

Parameter	Units	20294048001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Barium	ug/L	47.3	50	50	105	105	116	115	86-114	1	20	M1
Cobalt	ug/L	290	50	50	365	348	149	115	86-115	5	20	M1
Copper	ug/L	5.9	50	50	59.7	57.4	107	103	85-118	4	20	
Nickel	ug/L	348	100	100	481	456	132	107	85-117	5	20	M1
Vanadium	ug/L	ND	50	50	55.0	54.1	108	106	86-115	2	20	
Zinc	ug/L	263	1000	1000	1330	1260	107	100	83-119	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: Dolet Hills
Pace Project No.: 20294051

QC Batch: 304658 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: BR 2320B Alkalinity
Laboratory: Pace Analytical Services - Baton Rouge
Associated Lab Samples: 20294051001, 20294051002, 20294051003, 20294051004, 20294051005, 20294051006

METHOD BLANK: 1458493 Matrix: Water
Associated Lab Samples: 20294051001, 20294051002, 20294051003, 20294051004, 20294051005, 20294051006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	1.0	10/23/23 09:45	

LABORATORY CONTROL SAMPLE & LCSD: 1458494 1458495

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	194	194	97	97	90-110	0	10	

SAMPLE DUPLICATE: 1458496

Parameter	Units	20294048001 Result	Dup Result	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	51.7	51.1	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: Dolet Hills
Pace Project No.: 20294051

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Dolet Hills
Pace Project No.: 20294051

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20294051001	**ABNO2-TPW1-LI-101723**	EPA 3010A	304632	EPA 6020B	304778
20294051002	**ABNO2-TPW2-LI-101723**	EPA 3010A	304632	EPA 6020B	304778
20294051003	**ABNO2-TPW3-LI-101723**	EPA 3010A	304632	EPA 6020B	304778
20294051004	**ABNO1-TPW1-LI-101823**	EPA 3010A	304632	EPA 6020B	304778
20294051005	**ABNO1-TPW2-LI-101823**	EPA 3010A	304632	EPA 6020B	304778
20294051006	**ABNO1-TPW3-LI-101923**	EPA 3010A	304632	EPA 6020B	304778
20294051001	**ABNO2-TPW1-LI-101723**	SM 2320B	304658		
20294051002	**ABNO2-TPW2-LI-101723**	SM 2320B	304658		
20294051003	**ABNO2-TPW3-LI-101723**	SM 2320B	304658		
20294051004	**ABNO1-TPW1-LI-101823**	SM 2320B	304658		
20294051005	**ABNO1-TPW2-LI-101823**	SM 2320B	304658		
20294051006	**ABNO1-TPW3-LI-101923**	SM 2320B	304658		

Pace® Location Requested (City/State):

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT – Complete all relevant fields

WO# : 20294051

20294051

Company Name: AECOM Baton Rouge	Contact/Report To: Angela Harrigal
Street Address: 8555 United Plaza, Suite 300 Baton Rouge, 70809	Phone #: 440-552-4378
	E-Mail: angela.harrigal@aecom.com
	Cc E-Mail: dradaich@geoengineers.com
Customer Project #: 60639309	Invoice to: ACCOUNTS PAYABLE
Project Name: CLECO DOLET HILLS	Invoice E-mail: usapimaging@aecom.com
Site Collection Info/Facility ID (as applicable): DOLET HILLS POWER STATION MANSFIELD, LA	Purchase Order # (if applicable):
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s): DeSoto Parish, LA
Data Deliverables: [X] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other	Regulatory Program (DW, RCRA, etc.) as applicable: LA RECAP
	Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [X] 5 day [ ] Other
	Date Results Requested:
	DW PWSID # or WW Permit # as applicable:
	Field Filtered (if applicable): [ ] Yes [ ] No
	Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	6020B Metals	Alkalinity (as CaCO3)	Sample Comment	Preservation non-conformance identified for sample.
ABNO2-TPW1-LI-101723	GW	G	10/17/2023	1046				2		X	X	Metals to be Run and	1
ABNO2-TPW2-LI-101723	GW	G	10/17/2023	1443				2		X	X	Reported:	2
ABNO2-TPW3-LI-101723	GW	G	10/17/2023	1525				2		X	X	Barium	3
ABNO1-TPW1-LI-101823	GW	G	10/18/2023	1615				2		X	X	Cobalt	4
ABNO1-TPW2-LI-101823	GW	G	10/18/2023	1643				2		X	X	Copper	5
ABNO1-TPW3-LI-101923	GW	G	10/19/2023	0915				2		X	X	Nickel	6
	GW	G						2		X	X	Vanadium	
	GW	G								X		Zinc	
										X			
										X			

PDR PDR

Lab Use Only: Proj. Mgr: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: P. Denise Radaich
Printed Name
Signature

Additional Instructions from Pace®:

Coolers: 1 Thermometer ID: DM01 Correction Factor (°C): +0 Obs. Temp. (°C): 5.2 Corrected Temp. (°C):

Relinquished by/Company: (Signature) GeoEngineers	Date/Time: 10/20/23 1400	Received by/Company: (Signature)	Date/Time: 10/20/23 14:00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: of

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

WO#: 20294051

PM: MM1 **Due Date: 10/27/23**

CLIENT: 20-URS

Pace

Sample Condition Upon Work Order #:

7979 Innovation Park Dr. Baton Rouge, LA 70806

Cooler Inspected by/date: VSR / 10/27/23

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other:				
☐ Yes ☑ No			Were custody seals present on the cooler?	
☐ Yes ☐ No ☑ NA			If custody seals were present, were they intact and unbroken?	
Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: IR07 IR Gun Correction Factor: 0 °C				
Cooler #1 Cooler Temp °C: 5.2 (Actual/True)			Samples on ice ☐ Yes ☐ No	pH Strip Lot # 227822
Cooler #2 Cooler Temp °C: _____ (Actual/True)			Method of coolant: ☐ Wet ☐ Ice Packs ☐ Dry Ice ☐ None	
Cooler #3 Cooler Temp °C: _____ (Actual/True)				
Cooler #4 Cooler Temp °C: _____ (Actual/True)				
Tracking #:				
☐ Yes ☑ No	☐ NA	Is a temperature blank present?		
☐ Yes ☐ No	☐ NA	Was a chain of custody (COC) recieved?		
☐ Yes ☑ No	☐ NA	Was the line and profile number listed on the COC?		
☑ Yes ☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager notified via email.		
☑ Yes ☐ No		Were proper custody procedures (relinquished/received) followed?		
☑ Yes ☐ No	☐ NA	Is the sampler name and signature on the COC?		
☑ Yes ☐ No		Were sample IDs listed on the COC and all sample containers?		
☑ Yes ☐ No		Was collection date & time listed on the COC and all sample containers?		
☑ Yes ☐ No		Did all container label information (ID, date, time) agree with the COC?		
☑ Yes ☐ No		Were tests to be performed listed on the COC?		
☑ Yes ☐ No		Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?		
☑ Yes ☐ No		Was adequate sample volume available?		
☑ Yes ☐ No		Were all samples received within ½ the holding time or 48 hours, whichever comes first?		
☑ Yes ☐ No		Were all samples containers accounted for? (No missing / excess)		
☐ Yes ☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?		
☐ Yes ☐ No	☑ NA	Trip blank present?		
☐ Yes ☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*		
☑ Yes ☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____	
☐ Yes ☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO_3_____ H_2SO_4 _____ NaOH_____ Date: _____ Time:_____	

Comments: