report, "you" shall hereinafter refer to the generator defined above. Please note that COMAR 26.04.10.08 requires generators of CCBs to submit an annual report to the Department concerning the disposition of the CCBs that they generated the previous year. **THIS INCLUDES CCBS THAT WERE NOT SEPARATELY COLLECTED BUT WERE PRODUCED BY THE BURNING OF COAL AND WERE DIRECTLY CONTRIBUTED TO A PRODUCT, such as cement.** Where the amount cannot be directly measured, estimates based on the amount of coal burned can be used. The method of determining the volume of CCBs produced must be described.

III. Required Information. The following information must be provided to MDE by March 1, 2026:

A. Contact information:

Facility Name: Mettiki Coal, LLC

Name of Permit Holder: Mettiki Coal, LLC

Facility Address: 293 Table Rock Road
Street

Facility Address: Oakland (City) Maryland (State) 21550 (Zip)

County: Garrett

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-334-5337 Facility Fax No.: 301-334-1602

Contact Name: Aaron Miller

Contact Title: Environmental Compliance Manager

Contact Address: 293 Table Rock Road
Street

Contact Address: Oakland (City) Maryland (State) 21550 (Zip)

Contact Email: aaron.miller@arlp.com

Contact Telephone No.: 301-334-5337 Contact Fax No.: 301-334-1602

For questions on how to complete this form, please contact the Solid Waste Program at 410-537-3315

Facility Name: Mettiki Coal, LLC **CCB Tonnage Report – 2025**

B. A description of the process that generates the CCBs, including the type of coal or other raw material that generates the CCBs. If the space provided is insufficient, please attach additional pages:

The process that generates the subject CCB's is the operation of a coal thermal dryer. The thermal dryer burns coal to generate heat. The heat is used to dry wet coal from the preparation process to meet contract specifications. This typically involves reducing the moisture content of the coal from around 15% down to 5%.

C. The volume and weight of CCBs generated during calendar year 2025, including an identification of the different types of CCBs generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format. If converting from volume to weight or weight to volume, please provide your calculations and assumptions.

Table I: Volume and Weight of CCBs Generated for Calendar Year 2025: Please note that this table includes both the volume and weight of the types of CCBs your facility produces.

Volume and Weight of CCBs Generated for Calendar Year 2025			
Thermal Dryer Ash Type of CCB	Type of CCB	Type of CCB	Type of CCB
867 Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards	Volume of CCB, in Cubic Yards
1,463 Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons	Weight of CCB, in Tons

Facility Name: Mettiki Coal, LLC **CCB Tonnage Report – 2025**

Additional notes:

1,463 tons x 2,000 lb./ton ÷ (125 lb/cu.ft. x 27 cu. ft./cu. yd.) = 867 cu. yd.

11,676 tons combusted x 12.53% ash content = 1,463 tons ash

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the CCBs or their use that were performed by you or your company during the reporting year. Please attach this information to the report.

E. Copies of all laboratory reports of all chemical characterizations of the CCBs. Please attach this information to the report.

F. A description of how you disposed of or used your CCBs in calendar year 2025, identifying:

(a) The types and volume of CCBs disposed of or used (if different than described in Paragraph C above) including any CCBs stored during the previous calendar year, the location of disposal, mine reclamation and use sites, and the type and volume of CCBs disposed of or used at each site:

Volume presented in Table 1 is disposed of in MDE Permit # DM 84-101 refuse disposal site on Mettiki property near the thermal dryer in Garrett County Maryland. All of the material is disposed of at this site and is used for the inherent alkalinity it contains.

and (b) The different uses by type and volume of CCBs:

100% of the dryer ash is used for disposal/reclamation.

If the space provided is insufficient, please attach additional pages in a similar format.

G. A description of how you intend to dispose of or use CCBs in the next 5 years, identifying:

(a) The types and volume of CCBs intended to be disposed of or used, the location of intended disposal, mine reclamation and use sites, and the type and volume of CCBs intended to be disposed of or used at each site:

The thermal dryer is currently being replaced by a newer technology that does not combust coal. This new technology is expected to be operational by the second quarter of 2026. Dryer ash produced in the first quarter of 2026 will be used as in the past. After the second quarter, no CCB's are expected to be generated or utilized at the site.

and (b) The different intended uses by type and volume of CCBs.

No other changes beyond those described above.

If the space provided is insufficient, please attach additional pages in a similar format.

Facility Name: Mettiki Coal, LLC **CCB Tonnage Report – 2025**

IV. Signature and Certification. An authorized official of the generator must sign the annual report, and certify as to the accuracy and completeness of the information contained in the annual report:

This is to certify that, to the best of my knowledge, the information contained in this report and any attached documents are true, accurate, and complete.		
Aaron M. Miller Signature	Aaron Miller, Env. Compliance Manager 301-334-5337 Name, Title, & Telephone No. (Print or Type) aaron.miller@arlp.com Your Email Address	02/26/2026 Date

V: Attachments (please list):

Chemical Characterization - Attachment E

Attachment E

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Hunter Burow
Mettiki Coal Corporation
293 Table Rock Road
Oakland, Maryland 21550

Generated 7/28/2025 7:08:43 PM

JOB DESCRIPTION

Annual CCB Reporting

JOB NUMBER

410-231456-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
7/28/2025 7:08:43 PM

Authorized for release by
Ethan Dunnenberger, Project Manager
ethan.dunnenberger@et.eurofinsus.com
(717)556-7262

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

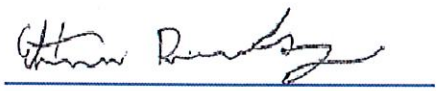

Table of Contents

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-231456-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 7/10/2025 7:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 23.2°C.

Receipt Exceptions
Sample received without client ID/date/time label on container.

HPLC/IC
Method 300_ORGFM_28D - ASTM Leach: The lab blank (LB) for preparation batch 410-671948 contained sulfate above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Mettiki Coal Corporation
Project/Site: Annual CCB Reporting

Job ID: 410-231456-1

Client Sample ID: Mettiki Dryer Ash Grab Solid Sample

Lab Sample ID: 410-231456-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	860	B cn	150	50	mg/L	100		EPA 300.0 R2.1	ASTM Leach
Aluminum	1.8	J	3.0	1.0	mg/L	1		6010C	TCLP
Barium	0.17		0.050	0.010	mg/L	1		6010C	TCLP
Boron	0.33	J	0.50	0.12	mg/L	1		6010C	TCLP
Lithium	0.20	J	0.50	0.11	mg/L	1		6010C	TCLP
Manganese	0.55		0.10	0.030	mg/L	1		6010C	TCLP
Molybdenum	0.053	J	0.10	0.020	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: Mettiki Dryer Ash Grab Solid Sample
Date Collected: 07/07/25 14:00
Date Received: 07/10/25 07:50

Lab Sample ID: 410-231456-1
Matrix: Solid

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**860**	**B cn**	150	50	mg/L			07/26/25 03:19	100

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.8**	**J**	3.0	1.0	mg/L		07/17/25 23:30	07/18/25 18:27	1
Arsenic	ND		0.50	0.16	mg/L		07/17/25 23:30	07/18/25 18:27	1
Barium	**0.17**		0.050	0.010	mg/L		07/17/25 23:30	07/18/25 18:27	1
Boron	**0.33**	**J**	0.50	0.12	mg/L		07/17/25 23:30	07/18/25 18:27	1
Cadmium	ND		0.050	0.010	mg/L		07/17/25 23:30	07/18/25 18:27	1
Chromium	ND		0.15	0.030	mg/L		07/17/25 23:30	07/18/25 18:27	1
Copper	ND		0.20	0.080	mg/L		07/17/25 23:30	07/18/25 18:27	1
Iron	ND		2.0	0.80	mg/L		07/17/25 23:30	07/18/25 18:27	1
Lead	ND		0.15	0.071	mg/L		07/17/25 23:30	07/18/25 18:27	1
Lithium	**0.20**	**J**	0.50	0.11	mg/L		07/17/25 23:30	07/18/25 18:27	1
Manganese	**0.55**		0.10	0.030	mg/L		07/17/25 23:30	07/18/25 18:27	1
Molybdenum	**0.053**	**J**	0.10	0.020	mg/L		07/17/25 23:30	07/18/25 18:27	1
Selenium	ND		0.50	0.16	mg/L		07/17/25 23:30	07/18/25 18:27	1
Silver	ND		0.10	0.040	mg/L		07/17/25 23:30	07/18/25 18:27	1
Zinc	ND		0.20	0.037	mg/L		07/17/25 23:30	07/18/25 18:27	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		07/20/25 23:55	07/22/25 05:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.9**		1.0	1.0	%			07/16/25 08:00	1
Percent Solids (EPA Moisture)	**97.1**		1.0	1.0	%			07/16/25 08:00	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-676481/5
Matrix: Solid
Analysis Batch: 676481

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			07/26/25 00:24	1

Lab Sample ID: LCS 410-676481/3
Matrix: Solid
Analysis Batch: 676481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.29		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-676481/4
Matrix: Solid
Analysis Batch: 676481

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	7.50	7.26		mg/L		97	90 - 110	0	10

Lab Sample ID: LB 410-671948/1-B
Matrix: Solid
Analysis Batch: 676481

Client Sample ID: Method Blank
Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.694	J	1.5	0.50	mg/L			07/26/25 03:08	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 410-672967/1-A
Matrix: Solid
Analysis Batch: 673513

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 672967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		3.0	1.0	mg/L		07/17/25 23:30	07/18/25 17:13	1
Arsenic	ND		0.50	0.16	mg/L		07/17/25 23:30	07/18/25 17:13	1
Barium	ND		0.050	0.010	mg/L		07/17/25 23:30	07/18/25 17:13	1
Boron	ND		0.50	0.12	mg/L		07/17/25 23:30	07/18/25 17:13	1
Cadmium	ND		0.050	0.010	mg/L		07/17/25 23:30	07/18/25 17:13	1
Chromium	ND		0.15	0.030	mg/L		07/17/25 23:30	07/18/25 17:13	1
Copper	ND		0.20	0.080	mg/L		07/17/25 23:30	07/18/25 17:13	1
Iron	ND		2.0	0.80	mg/L		07/17/25 23:30	07/18/25 17:13	1
Lead	ND		0.15	0.071	mg/L		07/17/25 23:30	07/18/25 17:13	1
Lithium	ND		0.50	0.11	mg/L		07/17/25 23:30	07/18/25 17:13	1
Manganese	ND		0.10	0.030	mg/L		07/17/25 23:30	07/18/25 17:13	1
Molybdenum	ND		0.10	0.020	mg/L		07/17/25 23:30	07/18/25 17:13	1
Selenium	ND		0.50	0.16	mg/L		07/17/25 23:30	07/18/25 17:13	1
Silver	ND		0.10	0.040	mg/L		07/17/25 23:30	07/18/25 17:13	1
Zinc	ND		0.20	0.037	mg/L		07/17/25 23:30	07/18/25 17:13	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-672967/2-A
Matrix: Solid
Analysis Batch: 673513

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 672967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	50.0	52.1		mg/L		104	90 - 112
Arsenic	5.00	5.40		mg/L		108	90 - 115
Barium	5.00	5.24		mg/L		105	90 - 111
Boron	5.00	5.04		mg/L		101	83 - 119
Cadmium	0.500	0.531		mg/L		106	90 - 113
Chromium	5.00	5.27		mg/L		105	90 - 112
Copper	5.00	5.23		mg/L		105	90 - 113
Iron	50.0	51.4		mg/L		103	87 - 114
Lead	0.500	0.534		mg/L		107	85 - 120
Lithium	5.00	5.09		mg/L		102	88 - 113
Manganese	5.00	5.21		mg/L		104	90 - 111
Molybdenum	0.500	0.524		mg/L		105	85 - 113
Selenium	1.00	1.07		mg/L		107	80 - 120
Silver	0.500	0.524		mg/L		105	85 - 120
Zinc	5.00	5.33		mg/L		107	90 - 112

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-672968/1-A
Matrix: Solid
Analysis Batch: 674502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.087	ug/L		07/20/25 23:55	07/22/25 01:37	1

Lab Sample ID: LCS 410-672968/2-A
Matrix: Solid
Analysis Batch: 674502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.05		ug/L		105	80 - 120

HPLC/IC

Leach Batch: 671948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	ASTM Leach	Solid	D3987-85	
LB 410-671948/1-B	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 676481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	ASTM Leach	Solid	EPA 300.0 R2.1	671948
LB 410-671948/1-B	Method Blank	ASTM Leach	Solid	EPA 300.0 R2.1	671948
MB 410-676481/5	Method Blank	Total/NA	Solid	EPA 300.0 R2.1	
LCS 410-676481/3	Lab Control Sample	Total/NA	Solid	EPA 300.0 R2.1	
LCSD 410-676481/4	Lab Control Sample Dup	Total/NA	Solid	EPA 300.0 R2.1	

Metals

Leach Batch: 671956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	TCLP	Solid	1311	

Prep Batch: 672967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	TCLP	Solid	3005A	671956
MB 410-672967/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 410-672967/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Prep Batch: 672968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	TCLP	Solid	7470A	671956
MB 410-672968/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 410-672968/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 673513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	TCLP	Solid	6010C	672967
MB 410-672967/1-A	Method Blank	Total Recoverable	Solid	6010C	672967
LCS 410-672967/2-A	Lab Control Sample	Total Recoverable	Solid	6010C	672967

Analysis Batch: 674502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	TCLP	Solid	7470A	672968
MB 410-672968/1-A	Method Blank	Total/NA	Solid	7470A	672968
LCS 410-672968/2-A	Lab Control Sample	Total/NA	Solid	7470A	672968

General Chemistry

Analysis Batch: 671865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Mettiki Coal Corporation
Project/Site: Annual CCB Reporting

Job ID: 410-231456-1

Client Sample ID: Mettiki Dryer Ash Grab Solid Sample

Date Collected: 07/07/25 14:00
Date Received: 07/10/25 07:50

Lab Sample ID: 410-231456-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
ASTM Leach	Leach	D3987-85			671948	UNWS	ELLE	07/16/25 15:20 - 07/17/25 09:05 [1]
ASTM Leach	Analysis	EPA 300.0 R2.1		100	676481	L4QM	ELLE	07/26/25 03:19
TCLP	Leach	1311			671956	UNWS	ELLE	07/16/25 15:20 - 07/17/25 07:26 [1]
TCLP	Prep	3005A			672967	UAMX	ELLE	07/17/25 23:30
TCLP	Analysis	6010C		1	673513	T8CQ	ELLE	07/18/25 18:27
TCLP	Leach	1311			671956	UNWS	ELLE	07/16/25 15:20 - 07/17/25 07:26 [1]
TCLP	Prep	7470A			672968	UAMX	ELLE	07/20/25 23:55
TCLP	Analysis	7470A		1	674502	X3ZX	ELLE	07/22/25 05:44
Total/NA	Analysis	Moisture		1	671865	E5GC	ELLE	07/16/25 08:00

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Mettiki Coal Corporation
Project/Site: Annual CCB Reporting

Job ID: 410-231456-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6010C	3005A	Solid	Aluminum
6010C	3005A	Solid	Arsenic
6010C	3005A	Solid	Barium
6010C	3005A	Solid	Boron
6010C	3005A	Solid	Cadmium
6010C	3005A	Solid	Chromium
6010C	3005A	Solid	Copper
6010C	3005A	Solid	Iron
6010C	3005A	Solid	Lead
6010C	3005A	Solid	Lithium
6010C	3005A	Solid	Manganese
6010C	3005A	Solid	Molybdenum
6010C	3005A	Solid	Selenium
6010C	3005A	Solid	Silver
6010C	3005A	Solid	Zinc
7470A	7470A	Solid	Mercury
EPA 300.0 R2.1		Solid	Sulfate
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Mettiki Coal Corporation
Project/Site: Annual CCB Reporting

Job ID: 410-231456-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010C	Metals (ICP)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
1311	TCLP Extraction	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Mettiki Coal Corporation
Project/Site: Annual CCB Reporting

Job ID: 410-231456-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-231456-1	Mettiki Dryer Ash Grab Solid Sample	Solid	07/07/25 14:00	07/10/25 07:50

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Lancaster Laboratories
Environmental

Environmental Analysis Reques

410-231456 Chain of Custody

Acct. # 07329 Group # ______ Sample # ___

Client: Mettiki Coal, LLC	
Project Name/#: Annual CCB Sampling	Site ID #:
Project Manager: Aaron Miller	P.O. #:
Sampler: Aaron Miller	PWSID #:
Phone #: 301-334-5337	Quote #:
State where samples were collected: MD	For Compliance: Yes ☑ No ☐

Matrix: Soil ☐ Sediment ☑ Tissue ☐; Water: Potable ☐ NPDES ☐ Ground ☑ Surface ☐; Other:

Analyses Requested / Preservation Codes

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil / Sediment / Tissue	Water	Other	Total # of Containers	Aluminum	Arsenic, Mercury	Barium, Moisture	Boron , Molybdenum	Cadmium, Selenium	Chromium, Silver	Copper, Sulfate, Zinc	Iron, Manganese	Lead, Lithium	TCLP Non-volatile Extraction	Remarks
Mettiki Dryer Ash Grab Solid Sample	7/7/2025	2:00 PM	X		X			1	X	X	X	X	X	X	X	X	X	X	

For Lab Use Only
SF #:
SCR #:

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: aaron.miller@arlp.com

Phone: 301-334-5337

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: ______

Relinquished by:	Date	Time	Received by:	Date	Time
Aaron M Miller	7/9/25	1:35pm			
			[signature]	7/10/25	0750

Relinquished by Commercial Carrier:
UPS ______ FedEx ______ Other ______

Temperature upon receipt R: 23.2 C: 23.2 °C

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7045 0216

7/28/2025

Login Sample Receipt Checklist

Client: Mettiki Coal Corporation

Job Number: 410-231456-1

Login Number: 231456
List Number: 1
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	False	Refer to Job Narrative for details.
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	