MARYLAND DEPARTMENT OF THE ENVIRONMENT
Land Management Administration • Solid Waste Program
1800 Washington Boulevard • Suite 605 • Baltimore, Maryland 21230
410-537-3375 • 800-633-6101 x3375 • www.mde.state.md.us

Coal Combustion Byproducts (CCB) Annual Generator Tonnage Report

Instructions for Calendar Year 2009

The following is general information relating to the requirement for reporting quantities of coal combustion byproducts that were managed in the State of Maryland during calendar year 2009. Please answer the questions on the form provided, attaching additional information and any requested supplemental information to the back of the form.

I. Background. This requirement that generators of coal combustion byproducts (CCBs) submit an annual report was instituted in the Code of Maryland Regulations COMAR 26.04.10.08, that was promulgated effective December 1, 2008. The regulation requires that any non-residential generator of CCBs submit a report to the Department by March 1 of each year describing the manner in which CCBs generated within the State were managed during the preceding calendar year. Additional information and specific instructions follow. For more detailed information, please refer to COMAR 26.04.10.08.

II. General Information and Applicability.

A. Definitions. Coal combustion byproducts are defined in COMAR 26.04.10.02B as:

> *"(3) Coal Combustion Byproducts. (a) "Coal combustion byproducts" means the residue generated by or resulting from the burning of coal.*
> *(b) "Coal combustion byproducts" includes fly ash, bottom ash, boiler slag, pozzolan, and other solid residuals removed by air pollution control devices from the flue gas and combustion chambers of coal burning furnaces and boilers, including flue gas desulfurization sludge and other solid residuals recovered from flue gas by wet or dry methods. "*

A generator of CCBs is defined in COMAR 26.04.10.02B as:

> *"(9) Generator.*
> *(a) "Generator" means a person whose operations, activities, processes, or actions create coal combustion byproducts.*
> *(b) "Generator" does not include a person who only generates coal combustion byproducts by burning coal at a private residence."*

B. Applicability. **If you or your company meet the definition of a generator of CCBs as defined above, you must provide the information as required below.** For the purposes of this report, "you" shall hereinafter refer to the generator defined above. Please note that COMAR

Facility Name: Mettiki Coal, LLC **CCB Tonnage Report – 2009**

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.

III. Required Information. The following information must be provided to the Department by March 1, 2010:

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 Maryland 21550
City State Zip

County: Garrett

Contact Information (Person filing report or Environmental Manager)

Facility Telephone No.: 301-334-5336 Facility Fax No.: 301-334-1602

Contact Name: James C. Ashby

Contact Title: Manager, Environmental Affairs

Contact Address: 293 Table Rock Road
Street

Contact Address: Oakland Maryland 21550
City State Zip

Contact Email: jim.ashby@arlp.com

Contact Telephone No.: 301-334-5336 Contact Fax No.: 301-3341602

For questions on how to complete this form, please call Mr. Edward Dexter, Administrator, Solid Waste Program at 410-537-3318.

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

Coal thermal dryer burning bituminous coal. Raw coal is first sent to the preparation plant where it is washed in a water bath to reduce sulfur and ash content. In the final stage of preparation, hot air from pulverized coal burners is passed through a fluidized bed of the wet washed coal in the thermal dryer to reduce the moisture content of the processed coal from approximately 15% to approximately 5% for shipment.

C. The annual volume of coal combustion byproducts generated during the last calendar year, including an identification of the different types of coal combustion byproducts generated and the volume of each type generated. If the space provided is insufficient, please attach additional pages in a similar format:

Table I: Volume of CCBs Generated for Previous Calendar Year:

Reporting Year	Volume of CCB Type:	Volume of CCB Type:	Volume of CCB Type:
2009	30,632 cu ft / 1914 tons		

Additional notes:

D. Descriptions of any modeling or risk assessments, or both, conducted relating to the coal combustion byproducts or their use that were performed by you or your company during the reporting year. Please attach this information to the report. **NONE**

E. Copies of all laboratory reports of all chemical characterizations of the coal combustion byproducts. Please attach this information to the report. **See Attachment 1**

F. A description of how you disposed of or used your coal combustion byproducts in the last calendar year , identifying:

(a) The types and volume of coal combustion byproducts disposed of or used (if different than described in Paragraph C above), the location of disposal, mine reclamation and use sites, and the type and volume of coal combustion byproducts disposed of or used at each site:

Volumes presented in Table 1 disposed in MDE Permit # DM-84-101 refuse disposal site on Mettiki owned property near the mine in Garrett County, MD. Material is comingled with alkaline materials on site for reclamation.

and (b) The different uses by type and volume of coal combustion byproducts:

All volumes are for disposal in permitted site.

If the space provided is insufficient, please attach additional pages in a similar format. . (Please note that in subsequent years you need only provide the information in Section F for the last calendar year).

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

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

The five (5) year average of approximately 29,800 cu/ft (1,865 tons) per year of ash is expected to be placed in our permitted coal refuse disposal site.

and (b) The different intended uses by type and volume of coal combustion byproducts.

Disposal / reclamation

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

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.		
Michael J Burch Signature	Michael Burch General Manager Name, Title, & Telephone No. (Print or Type) mike.Burch@ARLP.com Your Email Address	3-2-2010 Date

Lancaster Laboratories

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Attachment 1
Analysis Report

Lancaster Laboratories Sample No. SW 5709549

Group No. 1150935
MD

Mettiki Dryer Ash Grab Solid Sample
Ash Sampling '09

Collected: 06/22/2009 08:30 by JA

Account Number: 07329

Submitted: 06/24/2009 09:05
Reported: 07/08/2009 at 09:46
Discard: 07/23/2009

Mettiki Coal Corporation
293 Table Rock Road
Oakland MD 21550

CAT No.	Analysis Name		CAS Number	Dry Result		Dry Method Detection Limit	Dilution Factor
SW-846 6010B		**Metals**		**mg/kg**		**mg/kg**	
01643	Aluminum		7429-90-5	7,940		5.85	1
06944	Antimony		7440-36-0	1.41	J	1.16	1
06935	Arsenic		7440-38-2	4.09		1.10	1
06946	Barium		7440-39-3	62.8		0.0465	1
06947	Beryllium		7440-41-7	0.820		0.0791	1
07914	Boron		7440-42-8	2.27	J	1.03	1
06949	Cadmium		7440-43-9	N.D.		0.163	1
01650	Calcium		7440-70-2	52,000		7.13	1
06951	Chromium		7440-47-3	27.1		0.686	1
06952	Cobalt		7440-48-4	6.52		0.221	1
06953	Copper		7440-50-8	15.4		0.233	1
01654	Iron		7439-89-6	31,800		5.48	1
06955	Lead		7439-92-1	3.50		0.698	1
01656	Lithium		7439-93-2	37.1		0.26	1
01657	Magnesium		7439-95-4	2,400		2.95	1
06958	Manganese		7439-96-5	72.5		0.0651	1
06960	Molybdenum		7439-98-7	3.41		0.512	1
06961	Nickel		7440-02-0	16.1		0.209	1
01662	Potassium		7440-09-7	1,670		15.2	1
06936	Selenium		7782-49-2	N.D.		1.14	1
06966	Silver		7440-22-4	N.D.		0.209	1
01667	Sodium		7440-23-5	327		43.4	1
06925	Thallium		7440-28-0	N.D.		1.69	1
06971	Vanadium		7440-62-2	40.0		0.198	1
06972	Zinc		7440-66-6	7.58		0.767	1
SW-846 7471A		**Metals**		**mg/kg**		**mg/kg**	
00159	Mercury		7439-97-6	N.D.		0.0132	1
SM20 2540 G		**Wet Chemistry**		**%**		**%**	
00111	Moisture		n.a.	14.0		0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01643	Aluminum	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06944	Antimony	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1

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Lancaster Laboratories Sample No. SW 5709549

Group No. 1150935
MD

Mettiki Dryer Ash Grab Solid Sample
Ash Sampling '09

Collected: 06/22/2009 08:30 by JA

Account Number: 07329

Submitted: 06/24/2009 09:05
Reported: 07/08/2009 at 09:46
Discard: 07/23/2009

Mettiki Coal Corporation
293 Table Rock Road
Oakland MD 21550

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06935	Arsenic	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06946	Barium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06947	Beryllium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
07914	Boron	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06949	Cadmium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
01650	Calcium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06951	Chromium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06952	Cobalt	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06953	Copper	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
01654	Iron	SW-846 6010B	1	091775708002	06/30/2009 11:51	Joanne M Gates	1
06955	Lead	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
01656	Lithium	SW-846 6010B	2	091815708001	07/01/2009 20:30	John P Hook	1
01657	Magnesium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06958	Manganese	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06960	Molybdenum	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06961	Nickel	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
01662	Potassium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06936	Selenium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06966	Silver	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
01667	Sodium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06925	Thallium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06971	Vanadium	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
06972	Zinc	SW-846 6010B	1	091775708002	06/29/2009 22:00	John P Hook	1
00159	Mercury	SW-846 7471A	1	091775711001	06/29/2009 21:04	Nelli S Markaryan	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	091775708002	06/28/2009 20:45	Annamaria Stipkovits	1
05708	SW SW846 ICP Digest	SW-846 3050B	2	091815708001	06/30/2009 20:05	Annamaria Stipkovits	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	091775711001	06/28/2009 22:40	Annamaria Stipkovits	1
00111	Moisture	SM20 2540 G	1	09177820002A	06/26/2009 14:47	Scott W Freisher	1

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Attachment 1
Analysis Report

Lancaster Laboratories Sample No. TL 5709550

Group No. 1150935
MD

Mettiki Dryer Ash Grab Solid Sample
TCLP NON-VOLATILE EXTRACTION
Ash Sampling '09

Collected: 06/22/2009 08:30 by JA

Account Number: 07329

Submitted: 06/24/2009 09:05
Reported: 07/08/2009 at 09:46
Discard: 07/23/2009

Mettiki Coal Corporation
293 Table Rock Road
Oakland MD 21550

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	
01743	Aluminum	7429-90-5	0.0921 J	0.0802	1
07035	Arsenic	7440-38-2	0.0165 J	0.0072	1
07046	Barium	7440-39-3	0.301	0.00060	1
07049	Cadmium	7440-43-9	N.D.	0.0020	1
07051	Chromium	7440-47-3	0.0336	0.0034	1
07053	Copper	7440-50-8	N.D.	0.0027	1
07055	Lead	7439-92-1	N.D.	0.0069	1
07058	Manganese	7439-96-5	0.0448	0.00084	1
07036	Selenium	7782-49-2	0.0127 J	0.0089	1
07066	Silver	7440-22-4	N.D.	0.0023	1
07072	Zinc	7440-66-6	0.0154 J	0.0081	1
SW-846 7470A	**Metals**		**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	N.D.	0.000056	1

General Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01743	Aluminum	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07035	Arsenic	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07046	Barium	SW-846 6010B	1	091825705001	07/03/2009 07:20	Joanne M Gates	1
07049	Cadmium	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07051	Chromium	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07053	Copper	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07055	Lead	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07058	Manganese	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07036	Selenium	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07066	Silver	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
07072	Zinc	SW-846 6010B	1	091825705001	07/02/2009 23:24	John P Hook	1
00259	Mercury	SW-846 7470A	1	091825713001	07/06/2009 16:04	Parker D Lindstrom	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	091825705001	07/02/2009 13:17	James L Mertz	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	091825713001	07/02/2009 15:30	James L Mertz	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	0918120130947A	06/30/2009 13:30	Valerie J Trout	n.a.

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Attachment 1
Analysis Report

Lancaster Laboratories Sample No. TL 5709551

Group No. 1150935
MD

Mettiki Dryer Ash Grab Solid Sample
SPLP NON-VOLATILE EXTRACTION
Ash Sampling '09

Collected: 06/22/2009 08:30 by JA

Account Number: 07329

Submitted: 06/24/2009 09:05
Reported: 07/08/2009 at 09:46
Discard: 07/23/2009

Mettiki Coal Corporation
293 Table Rock Road
Oakland MD 21550

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 6010B		**Metals**		**mg/l**	**mg/l**	
01743	Aluminum		7429-90-5	0.128 J	0.0802	1
07035	Arsenic		7440-38-2	N.D.	0.0072	1
07046	Barium		7440-39-3	0.237	0.00060	1
07049	Cadmium		7440-43-9	N.D.	0.0020	1
07051	Chromium		7440-47-3	0.0227	0.0034	1
07053	Copper		7440-50-8	N.D.	0.0027	1
07055	Lead		7439-92-1	N.D.	0.0069	1
07058	Manganese		7439-96-5	N.D.	0.00084	1
07036	Selenium		7782-49-2	N.D.	0.0089	1
07066	Silver		7440-22-4	N.D.	0.0023	1
07072	Zinc		7440-66-6	N.D.	0.0081	1
SW-846 7470A		**Metals**		**mg/l**	**mg/l**	
00259	Mercury		7439-97-6	N.D.	0.000056	1

General Sample Comments

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01743	Aluminum	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07046	Barium	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07053	Copper	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07055	Lead	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07066	Silver	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	091835705002	07/06/2009 09:57	Eric L Eby	1
00259	Mercury	SW-846 7470A	1	091835713002	07/06/2009 20:34	Nelli S Markaryan	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	091835705002	07/03/2009 18:15	Mirit S Shenouda	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	091835713002	07/03/2009 20:00	Mirit S Shenouda	1
01567	Synthetic Precipitation Leach	SW-846 1312	1	09182-2013-1567B	07/01/2009 12:45	Valerie J Trout	n.a.