

COLLIE COAL CO., INC.
10026 N. KNIGHTSVILLE CLAY STREET
BRAZIL, INDIANA 47834
PHONE (812) 605-0066

February 05, 2016

RE: P-040

Ms. Jeanne Lorenzo
Indiana Department of Natural Resources
Division of Reclamation
14619 W. State Road 48
Jasonville, Indiana 47438

Dear Ms. Lorenzo,

I am writing to notify your department that Collie Coal Co., Inc. intends to use for beneficial purposes Lime from Brickcraft located at 200 N. State Road 59, Center Point, Indiana 47840. The material will be transported by truck to our Collie Pond Mine (Permit # P-40) located at 9325 State Road 159, R R # 24 Terre Haute, Indiana 47802.

The lime will be used in the reclamation process in the following manner. The lime will be incorporated with the best available material and placed in the designated areas that are being reclaimed. The lime will be beneficial in the revegetation process and will also help to improve the water quality of the site. We anticipate at this time using approximately 150 tons for this beneficial purpose.

If you have any questions don't hesitate to call me.

Thanking you in advance for your help and assistance.

Sincerely,

David L. Wise

David L. Wise, President

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DNR-Reclamation
FEB 09 2016
Jasonville



Environmental Certification Labs, Inc.

11422 North US Highway 41
P.O. Box 569
Farmersburg, IN 47850-0569
T: (812) 696.5076
F: (812) 696.2596
www.eclabs.org

Roy Lamar
Brickcraft, LLC
200 State Road 69
Centerpoint, IN 47840



Project Name: Scrubber Waste

01/21/2014

PO Number:

Work Order: 4010470

ANALYTICAL RESULTS

Customer Sample ID:	ECL Sample ID: 4010470-01
Cust Sample Desc: West	Sampled By: Nancy
Sample Matrix: Other - Solid	Sample Collected: 1/14/2014 11:30
Sample Type: Grab	Sample Received: 1/15/2014 09:45

General Chemistry

Analyte	Result	Flags	Units	MRL	MDL	Method	Analyzed	Analyst
Calcium Carbonate Equivalent	78.5		%	0.100	0.100	AOAC 955.01	1/21/2014 08:00	CCS
Particle Size Distribution (Sieve)	Attached		%	0.1	0.1	See Attached	1/21/2014 08:00	CCS

Wet Chemistry by Standard Methods 20th Ed

Analyte	Result	Flags	Units	MRL	MDL	Method	Analyzed	Analyst
Percent Solids	99.8		%	0.01	0.01	SM 2540 G	1/16/2014 15:05	DB

Metals by SW846 EPA 6000 Series

Analyte	Result	Flags	Units	MRL	MDL	Method	Analyzed	Analyst
Arsenic	2.04		mg/kg dry	0.221	0.0007	SW 6020A	1/15/2014 20:05	JC
Cadmium	0.271		mg/kg dry	0.221	0.001	SW 6020A	1/15/2014 20:05	JC
Copper	1.16		mg/kg dry	0.221	0.0004	SW 6020A	1/15/2014 20:08	JC
Lead	ND	U	mg/kg dry	0.221	0.0003	SW 6020A	1/15/2014 20:05	JC
Mercury	ND	U	mg/kg dry	0.044	0.0002	SW 6020A	1/15/2014 20:05	JC
Molybdenum	1.16		mg/kg dry	0.221	0.0009	SW 6020A	1/15/2014 20:05	JC
Nickel	13.8		mg/kg dry	0.221	0.0004	SW 6020A	1/15/2014 20:05	JC
Selenium	29.4		mg/kg dry	0.221	0.002	SW 6020A	1/15/2014 20:05	JC
Zinc	14.9	B	mg/kg dry	0.221	0.002	SW 6020A	1/16/2014 20:05	JC

Organics by SW846 8000 Series

Analyte	Result	Flags	Units	MRL	MDL	Method	Analyzed	Analyst
:: 8082 PCBs								
PCB 1016	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1221	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1232	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1242	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1248	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV

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Customer Sample ID:	ECL Sample ID: 4010470-01
Cust Sample Desc: West	Sampled By: Nancy
Sample Matrix: Other - Solid	Sample Collected: 1/14/2014 11:30
Sample Type: Grab	Sample Received: 1/15/2014 09:45

Organics by SW846 8000 Series

Analyte	Result	Flags	Units	MRL	MDL	Method	Analyzed	Analyst
PCB 1254	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1260	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1262	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV
PCB 1268	ND	U	mg/kg dry	0.001	0.0005	SW 8082A	1/16/2014 12:04	TWV

FLAGS & DEFINITIONS

In reference to lab Sample ID: 4010470-01

- All Waste Water and Drinking Water analyses comply with methodology requirements of 40 CFR Part 136 and 40 CFR Part 141 respectively.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis and all times are reported as Eastern Time.

B Analyte was found in the associated blank as well as in the sample.
 U Compound was a target analyte, but was below detection limit.
 DET Analyte DETECTED
 ND Analyte NOT DETECTED at or above the reporting limit
 NR Not Reported
 dry Sample results reported on a dry weight basis
 MRL Method Reporting Limit
 MDL Method Detection Limit

Darren Sluder
Project Manager

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REPORT NO.
F-14016-7007
ACCOUNT NUMBER
98150

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS®



TO: ENV CERTIFICATION LABS
PO BOX 569
FARMERSBURG IN 47850-0569

FOR: BRICKCRAFT

PURCHASE ORDER: 11954

LAB NUMBER: 38659

SAMPLE ID: 4010470-01

DATE RECEIVED: 1/16/2014

DATE REPORTED: 1/21/2014 PAGE: 1 of 2

LIME ANALYSIS

PARAMETER	AS RECEIVED BASIS	DRY BASIS	UNIT	RECORDING UNIT (AS BASIS)	METHOD REFERENCE
Moisture (105 deg. C)	0.3	0.0	%	0.1	AOAC 950.01
Solids	99.7	100.0	%	0.1	AOAC 950.01
Calcium Carbonate Equiv. (CCE)	78.3	78.5	%	0.1	AOAC 955.01
Passing U.S. #8 Sieve	100.0	100.0	%	0.1	AOAC 924.02
Passing U.S. #60 Sieve	100.0	100.0	%	0.1	AOAC 924.02
Indiana Lime Quality Parameters					
Neutralizing Value (NV)	78.3	78.5	%	0.1	Purdue University AY-274
Relative Neutralizing Value (RNV)	78.3	78.5	%	0.1	Purdue University AY-274
Adjusted Lime Application Rate = Recommended Rate of Standard Lime x (60 / RNV)					Purdue University AY-274

Diane Thayer

Report Approved By:

Approval Date: 1/21/2014

Diane Thayer - Fertilizer-Chemist

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Jasenville