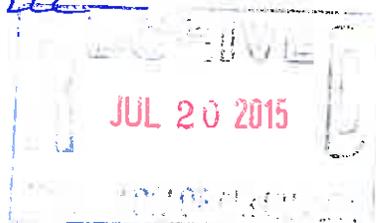




Pike Technical Services, Inc.

183 Tollage Creek
Pikeville, Kentucky 41501
Phone: (606) 432-0300 or Fax: (606) 433-1820

July 16, 2015
Id. No. 777-00137 Reg. G40-C072
Company Bizzack Construction, LLC
Facility Metso (Coalfields Expressway) Region 4
Initials grm



WV DEP
Division of Air Quality
601 57th Street
Charleston, WV 25304

Re: Bizzack Construction, LLC
Portable Crusher #2
Application for General Permit Registration
G40-C – Nonmetallic Minerals Processing

To Whom It May Concern,

Transmitted herewith, please find attached one (1) original set and two (2) copy sets of an Application for General Permit Registration (G40-C – Nonmetallic Minerals Processing) for a Portable Crusher to be located in Raleigh County, West Virginia, near Helen. The crushing operation will be conducted on the Coalfields Expressway, a West Virginia Department of Transportation Project. If you should have any questions concerning this report, please contact me at (606) 432-0300 ext. 303.

Sincerely,

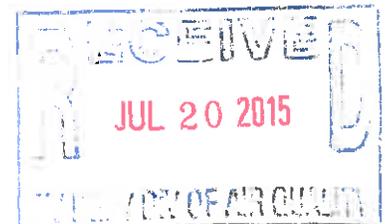
Ishmal Ratliff
Senior Project Manager

ir

cc: file
Bizzack Construction, LLC

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General Permit Registration Application Fee





WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF AIR QUALITY
 601 57th Street, SE
 Charleston, WV 25304
 Phone: (304) 926-0475 • www.dep.wv.gov/daq

APPLICATION FOR GENERAL PERMIT REGISTRATION
 CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE
 A STATIONARY SOURCE OF AIR POLLUTANTS

- CONSTRUCTION MODIFICATION RELOCATION CLASS I ADMINISTRATIVE UPDATE
 CLASS II ADMINISTRATIVE UPDATE

CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:

- | | |
|---|--|
| <input type="checkbox"/> G10-D – Coal Preparation and Handling | <input checked="" type="checkbox"/> G40-C – Nonmetallic Minerals Processing |
| <input type="checkbox"/> G20-B – Hot Mix Asphalt | <input type="checkbox"/> G50-B – Concrete Batch |
| <input type="checkbox"/> G30-D – Natural Gas Compressor Stations | <input type="checkbox"/> G60-C – Class II Emergency Generator |
| <input type="checkbox"/> G33-A – Spark Ignition Internal Combustion Engines | <input type="checkbox"/> G65-C – Class I Emergency Generator |
| <input type="checkbox"/> G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | <input type="checkbox"/> G70-A – Class II Oil and Natural Gas Production Facility |

SECTION I. GENERAL INFORMATION

1. Name of applicant (as registered with the WV Secretary of State's Office): Bizzack Construction, LLC		2. Federal Employer ID No. (FEIN): 20-3814182	
3. Applicant's mailing address: 3009 Atkinson Ave. Suite 200 Lexington, KY 40509		4. Applicant's physical address: 3009 Atkinson Ave. Suite 200 Lexington, KY 40509	
5. If applicant is a subsidiary corporation, please provide the name of parent corporation:			
6. WV BUSINESS REGISTRATION. Is the applicant a resident of the State of West Virginia? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ⇨ IF YES, provide a copy of the Certificate of Incorporation/ Organization / Limited Partnership (one page) including any name change amendments or other Business Registration Certificate as Attachment A. ⇨ IF NO, provide a copy of the Certificate of Authority / Authority of LLC / Registration (one page) including any name change amendments or other Business Certificate as Attachment A.			

SECTION II. FACILITY INFORMATION

7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal preparation plant, primary crusher, etc.): Metso Lokotrack LT120 Portable Crushing Unit	8a. Standard Industrial Classification Classification (SIC) code: 1429	AND	8b. North American Industry System (NAICS) code: 212319
9. DAQ Plant ID No. (for existing facilities only): _____	10. List all current 45CSR13 and other General Permit numbers associated with this process (for existing facilities only): _____ _____		

A: PRIMARY OPERATING SITE INFORMATION

11A. Facility name of primary operating site: <u>Bizzack Construction, LLC</u> <u>Job 313106 Coalfields Expressway</u> <u>Raleigh County, West Virginia</u>	12A. Address of primary operating site: Mailing: <u>301 McKinney Mountain Road, Sophia, WV 25921</u> Physical: <u>Coalfields Expressway, Helen, WV 25853</u>	
13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, please explain: <u>Bizzack Construction has a construction contract with the West Virginia Dept. of Transportation to construct a portion of the Coalfields Expressway in Raleigh Co. The proposed location is within the</u> ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE. right-of-way limits of this construction project.		
14A. ⇨ For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; ⇨ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F. <u>The crusher will be located on the proposed Coalfields Expressway. A map has been included as Attachment F to show</u> <u>the location.</u>		
15A. Nearest city or town: Helen, WV	16A. County: Raleigh County	17A. UTM Coordinates: Northing (KM): <u>4165560.9</u> Easting (KM): <u>469217.9</u> Zone: <u>17</u>
18A. Briefly describe the proposed new operation or change (s) to the facility: The portable crusher is being utilized on the Coalfields Expressway road project to crush Sandstone.		19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: <u>37.63667</u> Longitude: <u>-81.34889</u>

B: 1ST ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits)

11B. Name of 1 st alternate operating site: _____ _____	12B. Address of 1 st alternate operating site: Mailing: _____ Physical: _____ _____
13B. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, please explain: _____ _____ ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.	
14B. ⇨ For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; ⇨ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F. _____ _____	

15B. Nearest city or town:	16B. County:	17B. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
18B. Briefly describe the proposed new operation or change (s) to the facility:		19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____

C: 2ND ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits):

11C. Name of 2 nd alternate operating site: _____	12C. Address of 2 nd alternate operating site: Mailing: _____ Physical: _____
---	---

13C. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? YES NO

⇒ IF YES, please explain: _____

⇒ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.

14C. ⇒ For **Modifications or Administrative Updates** at an existing facility, please provide directions to the present location of the facility from the nearest state road;

⇒ For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a **MAP** as Attachment F.

15C. Nearest city or town:	16C. County:	17C. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
----------------------------	--------------	---

18C. Briefly describe the proposed new operation or change (s) to the facility:	19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____
---	--

20. Provide the date of anticipated installation or change: 8 / 1 / 15	21. Date of anticipated Start-up if registration is granted: 8 / 1 / 15
<input type="checkbox"/> If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: : ____/____/____	

22. Provide maximum projected **Operating Schedule** of activity/activities outlined in this application if other than 8760 hours/year. (Note: anything other than 24:7/52 may result in a restriction to the facility's operation).

Hours per day 10 Days per week 5 Weeks per year 20 Percentage of operation 75%

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

23. Include a check payable to WVDEP – Division of Air Quality with the appropriate **application fee** (per 45CSR22 and 45CSR13).

24. Include a **Table of Contents** as the first page of your application package.

All of the required forms and additional information can be found under the Permitting Section (General Permits) of DAQ's website, or requested by phone.

25. Please check all attachments included with this permit application. Please refer to the appropriate reference document for an explanation of the attachments listed below.

- ATTACHMENT A : CURRENT BUSINESS CERTIFICATE
- ATTACHMENT B: PROCESS DESCRIPTION
- ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS
- ATTACHMENT D: PROCESS FLOW DIAGRAM
- ATTACHMENT E: PLOT PLAN
- ATTACHMENT F: AREA MAP
- ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM
- ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS
- ATTACHMENT I: EMISSIONS CALCULATIONS
- ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT
- ATTACHMENT K: ELECTRONIC SUBMITTAL
- ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE
- ATTACHMENT M: SITING CRITERIA WAIVER
- ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS)
- ATTACHMENT O: EMISSIONS SUMMARY SHEETS
- OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.)

Please mail an original and two copies of the complete General Permit Registration Application with the signature(s) to the DAQ Permitting Section, at the address shown on the front page of this application. Please DO NOT fax permit applications. For questions regarding applications or West Virginia Air Pollution Rules and Regulations, please refer to the website shown on the front page of the application or call the phone number also provided on the front page of the application.

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

I certify that I am a ~~General Partner or General Manager~~ Vice President & Director

FOR AN ASSOCIATION

I certify that I am the President or a member of the Board of Directors

FOR A JOINT VENTURE

I certify that I am the President, General Partner or General Manager

FOR A SOLE PROPRIETORSHIP

I certify that I am the Owner and Proprietor

I hereby certify that (please print or type) _____ is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Director of the Office of Air Quality immediately, and/or,

I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible

Signature _____ Responsible Official _____ Date 7/15/2015
(please use blue ink)

Name & Title Lester Wimpy, Vice President
(please print or type)

Signature _____ Authorized Representative (if applicable) _____ Date
(please use blue ink)

Applicant's Name Bizzack Construction, LLC

Phone & Fax 859-299-8001 859-299-0480
Phone Fax

Email lwimpy@bizzackconstruction.com

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment A:
Current Business Certificate

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**BIZZACK CONSTRUCTION LLC
2265 EXECUTIVE DR
LEXINGTON, KY 40505-4809**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1010-8586

This certificate is issued on: **06/27/2011**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

State of West Virginia



Certificate

I, Natalie E. Tennant, Secretary of State of the State of West Virginia, hereby certify that

BIZZACK CONSTRUCTION, LLC

was duly authorized under the laws of this state to transact business in West Virginia as a foreign limited liability company on December 29, 2005.

The company is filed as an at-will company, for an indefinite period.

I further certify that the LLC (PLLC) has not been revoked by the State of West Virginia nor has a Certificate of Cancellation been issued.

Therefore, I hereby issue this

CERTIFICATE OF AUTHORIZATION

Validation ID:4WV8D_XD8ND



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
October 28, 2013*

Natalie E. Tennant
Secretary of State

Commonwealth of Kentucky
Elaine N. Walker, Secretary of State

Elaine N. Walker
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Existence

Authentication number: 114226
Visit <https://app.sos.ky.gov/itshow/certvaldate.aspx> to authenticate this certificate.

I, Elaine N. Walker, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

BIZZACK CONSTRUCTION, LLC

is a limited liability company duly organized and existing under KRS Chapter 14A and KRS Chapter 275, whose date of organization is October 21, 2005 and whose period of duration is perpetual.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that articles of dissolution have not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 2nd day of June, 2011, in the 220th year of the Commonwealth.



Elaine N. Walker

Elaine N. Walker
Secretary of State
Commonwealth of Kentucky
114226/0624128

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment B:

Metso Lokotrack LT120 Portable Crushing Unit Process Description

The purpose of this Application for General Permit Registration is to set up a portable rock crusher to process shot rock from the roadway excavation of the Coalfields Expressway, in Raleigh County, West Virginia. This processed rock will be used on the project as subgrade for paving activities.

The process will begin with a dozer pushing the roadway excavation to the surge pile (1). A water truck will provide dust suppression for the haul road and surge pile. A hydraulic excavator will transfer the shot rock from the surge pile to the portable crusher feeder hopper (2). The feeder hopper feeds the shot rock into the jaw crusher (3). The material will go from the jaw crusher onto the main product conveyor (7) and side conveyor (4). A factory installed water spray bar will provide dust suppression for the main product conveyor. From the conveyors, the processed rock will go to the stockpiles (5 & 8). A water truck will provide dust suppression for the stockpiles. The processed rock will be stockpiled for use at a later date.

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment C:
Portable Crushing Unit Description of Fugitive Emissions

The sources and potential sources of fugitive particulate emissions are as follows:

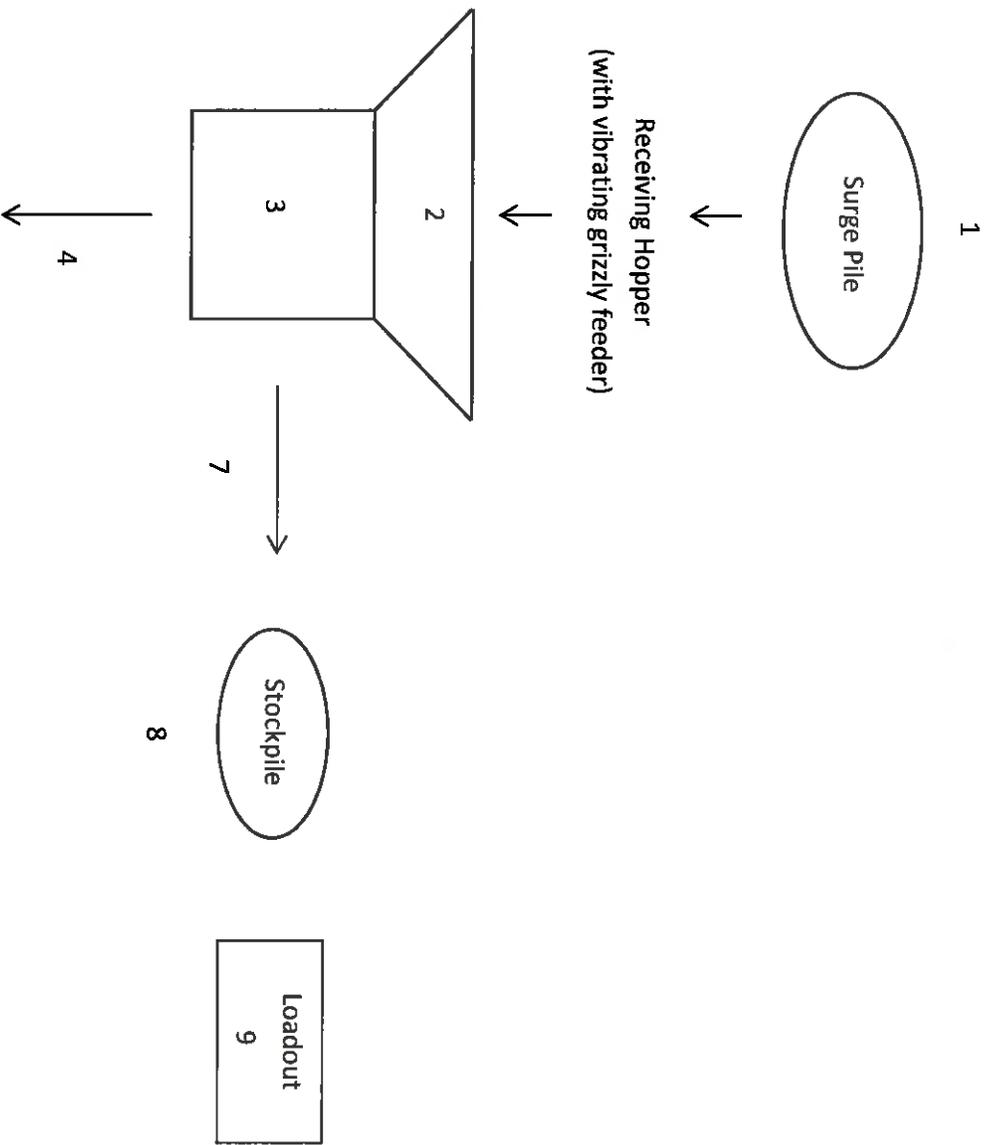
- Pushing to Surge Pile
- Surge Pile
- Feeding Vibrating Grizzly Feeder Receiving Hopper
- Vibrating Grizzly Feeder
- Jaw Crusher
- 26" Side Conveyor
- 47" Main Conveyor
- Dumping from Conveyors to Stockpiles
- Stockpiles

The primary fugitive dust control equipment will be a 2,000 gallon water truck. The water truck will be used primarily to control fugitive particulate emissions on the haul roads, and stock piles. By wetting the material in the surge pile and stock piles, fugitive particulate emissions will also be controlled at the feeder hopper, jaw crusher and conveyors by moisture carry over. The water truck has a maximum application rate of approximately 150 gallons per hour and the application frequency will depend on environmental conditions. The frequency will vary from zero during rainy conditions to approximately four to five applications per day during extremely dry conditions. In addition to the water truck, a factory installed spray bar on the main product conveyor will also be used. This spray system has a maximum application rate of approximately 26 gallons per hour. Again the frequency rate will vary depending upon environmental conditions. The spray bar will be used very little during rainy conditions and continuously during extremely dry conditions.

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment D:
Process Flow Diagram



Facility Number	Description
1	Surge Pile
2	Receiving Hopper
3	Primary Crusher
4	26" Side Conveyor
5	Stockpile
6	Loadout
7	47" Main Conveyor
8	Stockpile
9	Loadout

Process Flow Diagram
 Bizzack Construction, LLC
 Portable Crushing Unit

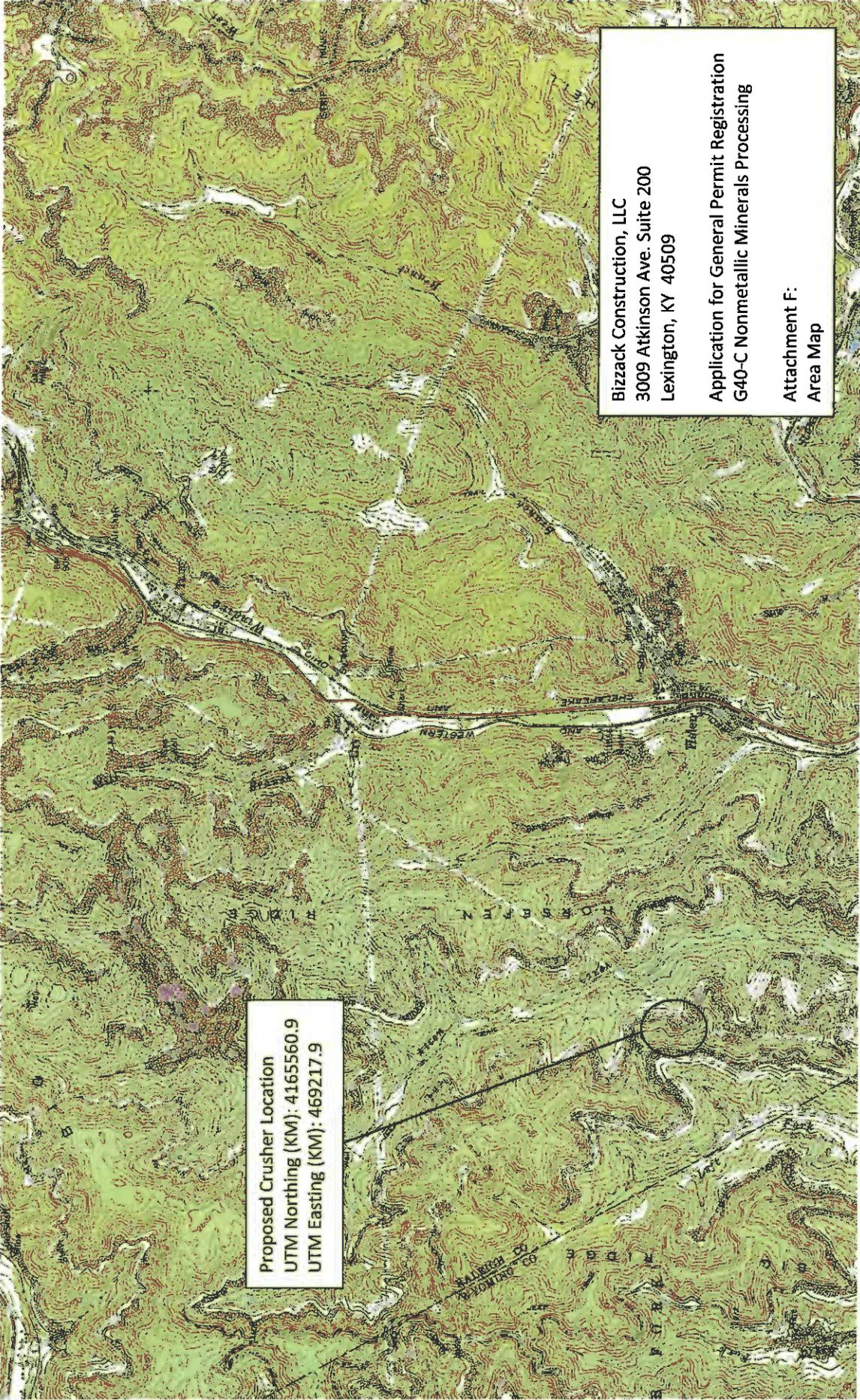
Date: June 30, 2015
 Project Number: 313106
 Scale: Not To Scale
 Project Manager: I. Ratliff

PT&I Pike Technical Services, Inc.
 183 Tollage Creek
 Pikeville, KY 41501
 (606) 432-0300

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment F:
Area Map



Proposed Crusher Location
UTM Northing (KM): 4165560.9
UTM Easting (KM): 469217.9

Bizzack Construction, LLC
3009 Atkinson Ave. Suite 200
Lexington, KY 40509
Application for General Permit Registration
G40-C Nonmetallic Minerals Processing
Attachment F:
Area Map

Bizzack Construction, LLC

3009 Atkinson Ave. Suite 200
Lexington, KY 40509

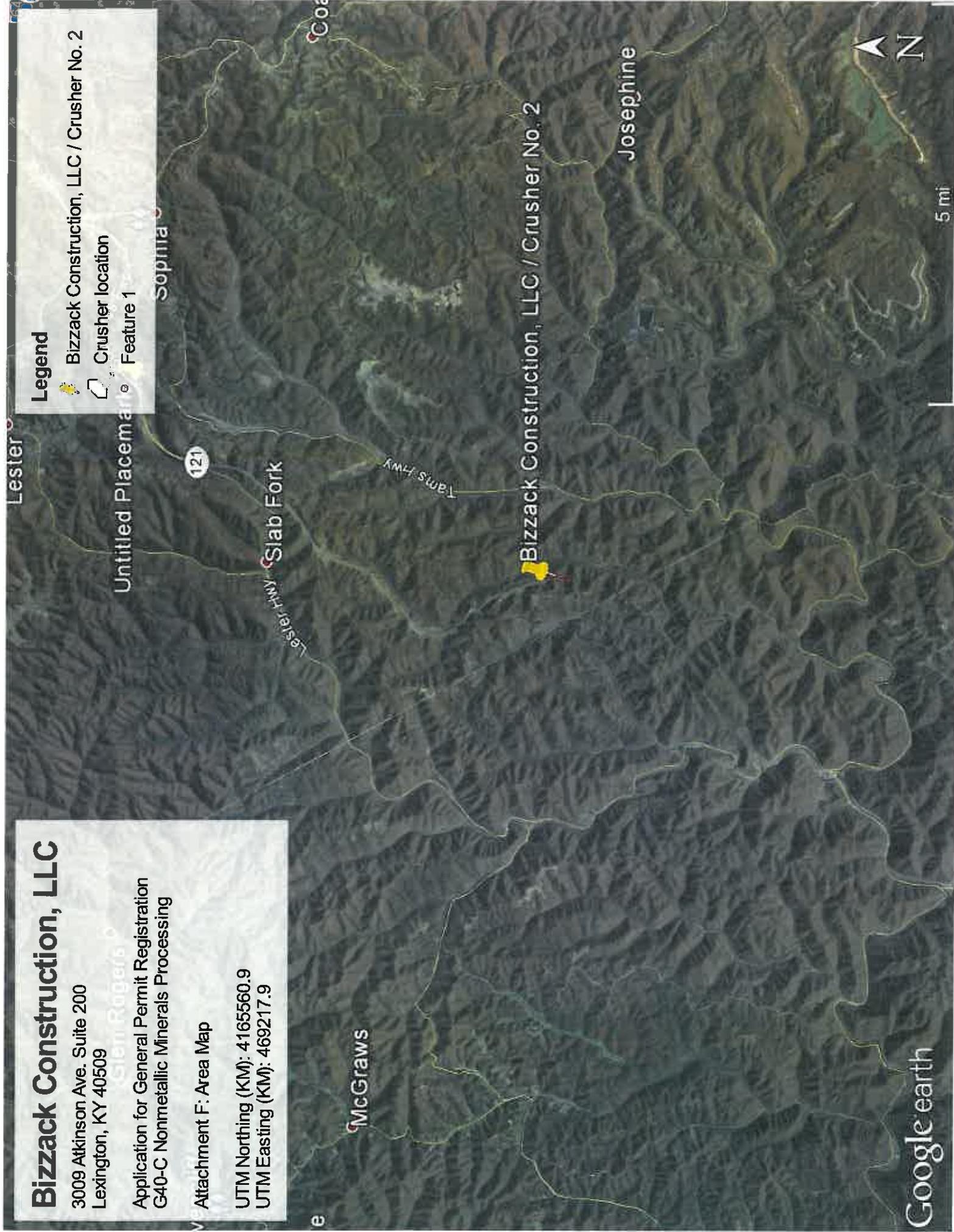
Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment F: Area Map

UTM Northing (KM): 4165560.9
UTM Easting (KM): 469217.9

Legend

-  Bizzack Construction, LLC / Crusher No. 2
-  Crusher location
-  Feature 1



Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment G:
Affected Source Sheets

CRUSHING AND SCREENING AFFECTED SOURCE SHEET

Source Identification Number ¹		CR-1				
Type of Crusher or Screen ²		JC				
Make, Model No., Serial No. ³		LT120				
Date of Construction, Reconstruction, or Modification (Month/Year) ⁴		8/1/2015				
Maximum Throughput ⁵	tons/hour	400				
	tons/year	300,000				
Material sized from/to: ⁶		+24"/-3				
Average Moisture Content (%) ⁷		2				
Control Device ID Number ⁸		CS-FW				
Baghouse Stack Parameters ⁹	height (ft)	N/A				
	diameter (ft)	N/A				
	volume (ACFM)	N/A				
	exit temp (F)	N/A				
	UTM Coordinates	N/A				
Maximum Operating Schedule ¹⁰	hours/day	10				
	days/year	100				
	hours/year	750				

1. Enter the appropriate Source Identification Number for each crusher and screen. For example, in the case of an operation which incorporates multiple crushers, the crushers should be designated CR-1, CR-2, CR-3 etc. beginning with the breaker or primary crusher. Multiple screens should be designated S-1, S-2, S-3 etc.
2. Describe types of crushers and screens using the following codes:

HM	Hammermill	SS	Stationary Screen	DR	Double Roll Crusher
SD	Single Deck Screen	BM	Ball Mill	DD	Double-Deck Screen
RB	Rotary Breaker	TD	Triple Deck Screen	JC	Jaw Crusher
GC	Gyratory Crusher	OT	Other		
3. Enter the make, model number, and serial number of the crusher/screen.
4. Enter the date that each crusher and screen was constructed, reconstructed, or modified.
5. Enter the maximum throughput for each crusher and screen in tons per hour and tons per year.
6. Describe the nominal material size reduction (e.g. +2"/-3%).
7. Enter the average percent moisture content of the material processed.
8. Enter the appropriate Control Device Identification Number for each crusher and screen. Refer to Table A - *Control Device Listing and Control Device Identification Number Instructions* in the *Reference Document* for Control Device ID prefixes and numbering.
9. Enter the appropriate stack parameters if a baghouse control device is used.
10. Enter the maximum operating schedule for each crusher and screen in hours per day, days per year and hours per year.

STORAGE ACTIVITY AFFECTED SOURCE SHEET

Source Identification Number ¹	OS-1	OS-2	OS-3			
Type of Material Stored ²	RM	SM	SM			
Average Moisture Content (%) ³	2	2	2			
Maximum Yearly Storage Throughput (tons) ⁴	130,000	130,000	87,000			
Maximum Storage Capacity (tons) ⁵	15,000	15,000	10,000			
Maximum Base Area (ft ²) ⁶	20,000 SF	25,000 SF	27,000 SF			
Maximum Pile Height (ft) ⁷	20'	15'	10'			
Method of Material Load-in ⁸	NA	NA	NA			
Load-in Control Device Identification Number ⁹	TD	MC	MC			
Storage Control Device Identification Number ⁹	SW-WS	SW-WS	SW-WS			
Method of Material Load-out ⁸	NA	NA	NA			
Load-out Control Device Identification Number ⁹	OT	FE	FE			

1. Enter the appropriate Source Identification Number for each storage activity using the following codes. For example, if the facility utilizes three storage bins, four open stockpiles and one storage building (full enclosure), the Source Identification Numbers should be BS-1, BS-2, and BS-3; OS-1, OS-2, OS-3, and OS-4; and SB-1, respectively.

BS Bin or Storage Silo (full enclosure)	E3 Enclosure (three sided enclosure)
OS Open Stockpile	SB Storage Building (full enclosure)
SF Stockpiles with wind fences	OT Other
2. Describe the type of material stored or stockpiled. (e.g. sized material, raw material, refuse, etc).
3. Enter the average percent moisture content of the stored material.
4. Enter the maximum yearly storage throughput for each storage activity.
5. Enter the maximum storage capacity for each storage activity in tons (e.g. silo capacity, maximum stockpile size, etc.)
6. For stockpiles, enter the maximum stockpile base area.
7. For stockpiles, enter the maximum stockpile height.
8. Enter the method of load-in or load-out to/from stockpiles or bins using the following codes:

CS Clamshell	SS Stationary Conveyor/Stacker
FC Fixed Height Chute from Bins	ST Stacking Tube
FE Front Endloader	TC Telescoping Chute from Bins
MC Mobile Conveyor/Stacker	TD Truck Dump
UC Under-pile or Under-Bin Reclaim Conveyor	PC Pneumatic Conveyor/Stacker
RC Rake or Bucket Reclaim Conveyor	OT Other
9. Enter the appropriate Control Device Identification Number for each storage activity. Refer to Table A - Control Device Listing and Control Device Identification Number Instructions in the Reference Document for Control Device ID prefixes and numbering.

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment I:
Emissions Calculations

EMISSIONS SUMMARY

Name of applicant: Bizzack Construction, LLC
 Name of plant: Raleigh County, WV

Particulate Matter or PM (for 45CSR14 Major Source Determination)

Uncontrolled PM		Controlled PM	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.92	4.03	0.14	0.61
<i>Unpaved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
Fugitive Emissions Total	0.92	4.03	0.14	0.61

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	0.80	0.30	0.08	0.03
<i>Transfer Point Emissions</i>	6.60	2.48	1.32	0.50
Point Source Emissions Total*	7.40	2.78	1.40	0.53

*Note: Point Source Total Controlled PM TPY emissions is used for 45CSR14 Major Source determination (see below)

Facility Emissions Total	8.32	6.81	1.54	1.13
---------------------------------	-------------	-------------	-------------	-------------

***Facility Potential to Emit (PTE) (Baseline Emissions) = 0.53**
 (Based on Point Source Total controlled PM TPY emissions from above) **ENTER ON LINE 26 OF APPLICATION**

Particulate Matter under 10 microns, or PM-10 (for 45CSR30 Major Source Determination)

Uncontrolled PM-10		Controlled PM-10	
lb/hr	TPY	lb/hr	TPY

FUGITIVE EMISSIONS				
<i>Stockpile Emissions</i>	0.43	1.90	0.06	0.28
<i>Unpaved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
<i>Paved Haulroad Emissions</i>	0.00	0.00	0.00	0.00
Fugitive Emissions Total	0.43	1.90	0.06	0.28

POINT SOURCE EMISSIONS				
<i>Equipment Emissions</i>	0.40	0.15	0.04	0.02
<i>Transfer Point Emissions</i>	3.12	1.17	0.62	0.23
Point Source Emissions Total*	3.52	1.32	0.66	0.25

*Note: Point Source Total Controlled PM-10 TPY emissions is used for 45CSR30 Major Source determination

Facility Emissions Total	3.96	3.22	0.73	0.53
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1. Emissions From CRUSHING AND SCREENING

1a. Primary Crushing

Primary Crusher ID Number	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
CR-1	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015

1b. Secondary and Tertiary Crushing

Secondary & Tertiary Crusher ID	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000							

1c. Screening

Screen ID Number	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000							

Crushing and Screening	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
TOTAL	0.800	0.300	0.080	0.030	0.400	0.150	0.040	0.015

1. Emissions From CRUSHING AND SCREENING (Continued)

EMISSION FACTORS

source: AP42, Fifth Edition, Revised 08/2004

(lb/ton of material throughput)

PM	
Primary Crushing	0.002
Tertiary Crushing	0.0054
Screening	0.025

PM-10	
Primary Crushing	0.001
Tertiary Crushing	0.0024
Screening	0.0087

2. Emissions From TRANSFER POINTS (continued)

Transfer Point ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	6.601	2.475	1.320	0.495	3.122	1.171	0.624	0.234

Source:

AP42, Fifth Edition, Revised 11/2006
13.2.4 Aggregate Handling and Storage Piles

Emissions From Batch Drop

$$E = k \cdot (0.0032) \cdot \left[\frac{(U/5)^{1.3}}{(M/2)^{1.4}} \right] = \text{pounds/ton}$$

Where:

		PM	PM-10
k =	Particle Size Multiplier (dimensionless)	0.74	0.35
U =	Mean Wind Speed (mph)		
M =	Material Moisture Content (%)		

Assumptions:

k - Particle size multiplier

For PM (< or equal to 30um) k = 0.74

For PM-10 (< or equal to 10um) k = 0.35

Emission Factor

For PM $E = \frac{0.0032 \cdot (U/5)^{1.3}}{(M/2)^{1.4}}$ = lb/ton

For PM-10 $E = \frac{0.0032 \cdot (U/5)^{1.3}}{(M/2)^{1.4}}$ = lb/ton

For lb/hr $[\text{lb/ton}] \cdot [\text{ton/hr}] = [\text{lb/hr}]$

For Tons/year $[\text{lb/ton}] \cdot [\text{ton/yr}] \cdot [\text{ton}/2000\text{lb}] = [\text{ton/yr}]$

3. Emissions From WIND EROSION OF STOCKPILES

Stockpile ID No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
OS-1	0.256	1.121	0.038	0.168	0.120	0.527	0.018	0.079
OS-2	0.320	1.401	0.048	0.210	0.150	0.658	0.023	0.099
OS-3	0.345	1.513	0.052	0.227	0.162	0.711	0.024	0.107
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	0.921	4.035	0.138	0.605	0.433	1.896	0.065	0.284

Source:

Air Pollution Engineering Manual

Storage Pile Wind Erosion (Active Storage)

$$E = 1.7 * [s/1.5] * [(365-p)/235] * [f/15] = (\text{lb/day/acre})$$

Where:

s =	silt content of material
p =	number of days with >0.01 inch of precipitation per year
f =	percentage of time that the unobstructed wind speed exceeds 12 mph at the mean pile height

Emission Factors

For PM

$$E = (1.7) * ((\text{Inputs!F147})/1.5) * ((365 - \text{Inputs!I139})/235) * ((\text{Inputs!I140})/15)$$

For PM-10

$$E = 0.47 * (1.7) * ((\text{Inputs!F147})/1.5) * ((365 - \text{Inputs!I139})/235) * ((\text{Inputs!I140})/15)$$

For lb/hr

$$[\text{lb/day/acre}] * [\text{day}/24\text{hr}] * [\text{base area of pile (acres)}] = \text{lb/hr}$$

For Ton/yr

$$[\text{lb/day/acre}] * [365\text{day/yr}] * [\text{Ton}/2000\text{lb}] * [\text{base area of pile (acres)}] = \text{Ton/yr}$$

4. Emissions From UNPAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source:

AP42, Fifth Edition, Revised 11/2006
13.2.2 Unpaved Roads

Emission Estimate For Unpaved Haulroads at Industrial Sites (equation 1)

$$E = k \cdot (s/12)^a \cdot (W/3)^b = \text{lb/vmt}$$

Where:

		PM	PM-10
k =	particle size multiplier	4.90	1.50
a =	empirical constant	0.7	0.9
b =	empirical constant	0.45	0.45

Emission Factors

For PM $E = ((\$35) \cdot (((\text{Inputs}! \$163) / 12)^{(\$36)}) \cdot (((\text{Inputs}! H171) / 3)^{\$37}))$

For PM-10 $E = ((\$35) \cdot (((\text{Inputs}! \$163) / 12)^{(\$36)}) \cdot (((\text{Inputs}! H171) / 3)^{\$37}))$

For lb/hr $(\text{lb/vmt}) \cdot (\text{miles per trip}) \cdot (\text{Max trips per hour})$

For Ton/yr $(\text{lb/vmt}) \cdot (\text{miles per trip}) \cdot (\text{Max trips per year}) \cdot (1/2000)$

5. Emissions From INDUSTRIAL PAVED HAULROADS

Item No.	PM				PM-10			
	Uncontrolled		Controlled		Uncontrolled		Controlled	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source:

AP42, Fifth Edition, Revised 11/2006
13.2.1 PAVED ROADS

Emission Estimate For Paved Haulroads

$$E = [k * (sL/2)^{0.65} * (W/3)^{1.5} - C] * (1 - (P/4 * N)) = \text{lb / Vehicle Mile Traveled (VMT)}$$

Where:

		PM	PM-10
k =	particle size multiplier	0.082	0.016
sL =	road surface silt loading, (g/ft ²)	70	
P =	number of days per year with precipitation >0.01 inch	157	
N =	number of days in averaging period	365	
C =	factor for exhaust, brake wear and tire wear	0.00047	0.00047

Emission Factors

- For PM** $E = (k * ((sL/2)^{0.65} * ((Inputs!G190)/3)^{1.5}) - C) * (1 - ((Inputs!S157)/4 * 365))$
- For PM-10** $E = (k * ((sL/2)^{0.65} * ((Inputs!G190)/3)^{1.5}) - C) * (1 - ((Inputs!S157)/4 * 365))$
- For lb/hr** (lb/vmt)*(miles per trip)*(Max trips per hour)
- For Ton/yr** (lb/vmt)*(miles per trip)*(Max trips per year)*(1/2000)

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment J:
Class I Legal Advertisement

AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that **Bizzack Construction, LLC** has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a **General Permit Registration, Construction** for a **Portable Crushing Unit** located on **Coalfields Expressway** near the city of **Helen** in **Raleigh County**, West Virginia.

The applicant estimates the potential to discharge the following Regulated Air Pollutants will be:

Nitrogen Oxides – 0.000004 tpy
Carbon Monoxide – 0.000001 tpy
Particulate Matter – 0.00023 tpy

Startup of operation is planned to begin on or about the **1st** day of **August, 2015**. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment K:
Electronic Submittal

Note: Microsoft Word Format would not download in a format that was readily changed and was included as a PDF submittal for the purpose of electronic submittal.

Bizzack Construction, LLC
3009 Atkinson Ave.
Suite 200
Lexington, KY 40509
859-299-8001

Application for General Permit Registration
G40-C Nonmetallic Minerals Processing

Attachment L:
General Permit Application Fee