



Permit / Application Information Sheet
Division of Environmental Protection
West Virginia Office of Air Quality

Company:	GREER LIMESTONE COMPANY		Facility:	Greer/Quarry Operation	
Region:	6	Plant ID:	061-00003	Application #:	13-1303G
Engineer:	Kessler, Joe		Category:	Stone	
Physical Address:	5630 Earl & Core Road Morgantown WV 26508		SIC: [1422] MINING AND QUARRYING OF NONMETALLIC MINERALS - CRUSHED AND BROKEN LIMESTONE NAICS: [212312] Crushed and Broken Limestone Mining and Quarrying		
County:	Monongalia				
Other Parties:	ENV_MGR - Kisner, Scott 304-276-5263 VICE PRES - Gwynne, J. Robert 304-864-5411				

Information Needed for Database and AIRS
 1. Need valid physical West Virginia address with zip

Regulated Pollutants		
CO	Carbon Monoxide	0.320 TPY
PM10	Particulate Matter < 10 um	140.760 TPY
VOC	Volatile Organic Compounds (Reactive organic gases)	0.010 TPY
PM2.5	Particulate Matter < 2.5 um	19.470 TPY
PT	Total Particulate Matter	342.510 TPY
NOX	Nitrogen Oxides (including NO, NO2, NO3, N2O3, N2O4, and N2O5)	0.350 TPY

Summary from this Permit 13-1303G		
Air Programs	Applicable Regulations	
NSPS		
TITLE V		
AFTER FACT		
Fee Program	Fee	Application Type
8E	\$2,000.00	MODIFICATION

Notes from Database
 Permit Note: Greer is proposing to add, replace, and refurbish three (3) screens at the facility. Additionally, Greer is requesting, after having conducted a facility-wide inventory of on-site equipment and material throughputs, the after-the fact revision of the permit with various emission units that were not previously permitted and revising the facility's configuration and throughputs based on the facility as currently operated.

 Permit Note: MACT applicability limited to existing emergency generator subject to area source provisions of ZZZZ.

Activity Dates	
APPLICATION RECIEVED	11/06/2015
APPLICATION FEE PAID	11/17/2015
ASSIGNED DATE	11/17/2015
APPLICATION INCOMPLETE	12/07/2015
APPLICANT PUBLISHED LEGAL AD	12/10/2015
APPLICATION DEEMED COMPLETE	01/05/2016
ADDITIONAL INFO RECEIVED	01/14/2016

SANDBE
NOTICE

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Please note, this information sheet is not a substitute for file research and is limited to data entered into the AIRTRAX database.

Company ID: 061-00003
 Company: GREER LIMESTONE COMPANY
 Printed: 02/17/2016
 Engineer: Kessler, Joe

IPR FILE INDEX

Applicant : Greer Limestone Company

Plant ID No.: 061-00003

Facility : Masontown Limestone Processing Plant

R13-1303G

Chronological Order - Add Index Pages As Necessary

Date	To	From	Subject	# of pages
11/17/15	Greer	Jennifer Rice	48-Hour Letter	
12/07/15	Greer	Joe Kessler	Incompleteness Letter	
12/17/15	Joe Kessler	Greer	Affidavit of Publication	
1/05/16	Greer	Joe Kessler	Completeness Determination	
1/14/16	Joe Kessler	Greer	E-mail w/ Revised Application Pages	
2/23/16	File	Joe Kessler	DAQ/Greer E-mails	
2/23/16	File	Joe Kessler	Draft Permit R13-1303G, Tracking Manifest	
2/23/16	Various	Sandie Adkins	Public Notice Documents	

JRK
2/23/16

AIR QUALITY PERMIT NOTICE

Notice of Intent to Approve

On November 6, 2015, Greer Limestone Company applied to the WV Department of Environmental Protection, Division of Air Quality (DAQ) for a permit to modify the Masontown Limestone Processing Plant located at 5630 Earl L. Core Road, Morgantown, Monongalia County, WV at latitude 39.57249 and longitude -79.84700. A preliminary evaluation has determined that all State and Federal air quality requirements will be met by the proposed facility. The DAQ is providing notice to the public of its preliminary determination to issue the permit as R13-1303G.

The following facility-wide potential-to-emit is authorized by this permit: Particulate Matter less than 2.5 microns, 19.47 tons per year (TPY); Particulate Matter less than 10 microns, 140.76 TPY; Particulate Matter, 342.51 TPY; Sulfur Dioxide, 0.68 TPY; Oxides of Nitrogen, 0.35 TPY; Carbon Monoxide, 0.32 TPY; Volatile Organic Compounds, 0.01 TPY.

Written comments or requests for a public meeting must be received by the DAQ before 5:00 p.m. on **XXXXXX**. A public meeting may be held if the Director of the DAQ determines that significant public interest has been expressed, in writing, or when the Director deems it appropriate.

The purpose of the DAQ's permitting process is to make a preliminary determination if the proposed modification will meet all State and Federal air quality requirements. The purpose of the public review process is to accept public comments on air quality issues relevant to this determination. Only written comments received at the address noted below within the specified time frame, or comments presented orally at a scheduled public meeting, will be considered prior to final action on the permit. All such comments will become part of the public record.

Joe Kessler, PE
WV Department of Environmental Protection
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Telephone: 304/926-0499, ext. 1219
FAX: 304/926-0478

Entire Document
NON-CONFIDENTIAL

Additional information, including copies of the draft permit, application and all other supporting materials relevant to the permit decision may be obtained by contacting the engineer listed above. The draft permit and engineering evaluation can be downloaded at:

www.dep.wv.gov/daq/Pages/NSRPermitsforReview.aspx

Kessler, Joseph R

From: Adkins, Sandra K
Sent: Tuesday, February 23, 2016 11:19 AM
To: Wheeler, Cathy L
Cc: Kessler, Joseph R
Subject: DAQ Public Notice

Please see below the Public Notice for Draft Permit R13-1303G for Greer Limestone Company's Masontown Limestone Processing Plant located in Monongalia County.

The notice will be published in *The Dominion Post* on Thursday, February 25, 2016, and the thirty day public comment period will end on Monday, March 28, 2016.

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Kessler, Joseph R

From: Adkins, Sandra K
Sent: Tuesday, February 23, 2016 11:19 AM
To: 'wentworth.paul@epa.gov'; 'bradley.megan@epa.gov'; skisner@greerindustries.com
Cc: Durham, William F; McKeone, Beverly D; McCumbers, Carrie; Hammonds, Stephanie E; Rice, Jennifer L; Kessler, Joseph R; Taylor, Danielle R; Betonte, Donna M; Tephabock, Brian S
Subject: WV Draft Permit R13-1303G for Greer Limestone Company; Masontown Limestone Plant
Attachments: 1303G.pdf; Eval1303G.pdf; notice.pdf

Please find attached the Draft Permit R13-1303G, Engineering Evaluation, and Public Notice for Greer Limestone Company's Masontown Limestone Processing Plant located in Monongalia County.

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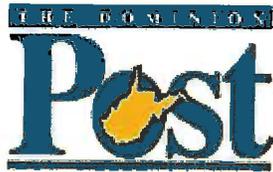
Should you have any questions or comments, please contact the permit writer, Joe Kessler, at 304 926-0499 x1219.

Kessler, Joseph R

From: Adkins, Sandra K
Sent: Tuesday, February 23, 2016 11:15 AM
To: nmoon@dominionpost.com
Cc: Kessler, Joseph R
Subject: FW: Publication of Class I Legal Ad for the WV Division of Air Quality

Thank you!

From: Nikki Moon [mailto:nmoon@dominionpost.com]
Sent: Tuesday, February 23, 2016 11:01 AM
To: Adkins, Sandra K <Sandra.K.Adkins@wv.gov>
Subject: RE: Publication of Class I Legal Ad for the WV Division of Air Quality



Classified Advertising Payment Receipt

Date Generated: 2/23/2016

No: 1060123
WV DEPT AIR
QUALITY

Account

Email:
CHARLESTON, WV 25304
926-0499

Phone: 304-

Sales Associate: Nikki Moon | **Phone:** 304-291-9420 | **Email:** classads@dominionpost.com

Urn: 010084473	Order	
	Number:	PO
Total Order Price: \$91.47	PAYMENT INFORMATION	
	Amount: \$0	Payment
	Payment	
Type: Invoice		

TITLES:

Title: Dominion Post | Class: 101 Legals
Start Date: 2/25/2016 | Stop Date: 2/25/2016
Insertions: 1 | Lines: 45.1288 ag

AD COPY PROOF:

Not Shown Actual Size

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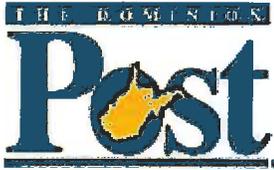
The purpose of the DAQ's permitting process is to make a preliminary determination if the proposed modification will meet all State and Federal air quality requirements. The purpose of the public review process is to accept public comments on air quality issues relevant to this determination. Only written comments received at the address noted below within the specified time frame, or comments presented orally at a scheduled public meeting, will be considered prior to final action on the permit. All such comments will become part of the public record.

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www.dep.wv.gov/daq/Pages/NSRPermitsforReview.aspx

Nikki Moon
Classifieds Advisor
Dominion Post
1251 Earl L. Core Rd.
Morgantown, WV 26505
T. 304.291.9420



From: Classifieds
Sent: Tuesday, February 23, 2016 10:42 AM
To: Nikki Moon
Subject: FW: Publication of Class I Legal Ad for the WV Division of Air Quality

From: Adkins, Sandra K [[mailto:](#)]
Sent: Tuesday, February 23, 2016 8:54 AM
To: Website 2 classads
Cc: Kessler, Joseph R
Subject: Publication of Class I Legal Ad for the WV Division of Air Quality

Please publish the information below as a Class I legal advertisement (one time only) in the Thursday, February 25, 2016, issue of *The Dominion Post*. Please let me know that this has been received and will be published as requested. Thank you.

Send the invoice for payment and affidavit of publication to:

Sandra Adkins
WV Department of Environmental Protection
DIVISION OF AIR QUALITY
601- 57th Street
Charleston, WV 25304

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west virginia department of environmental protection

Division of Air Quality
601 57th Street, SE
Charleston, WV 25304
Phone: (304) 926-0475 • Fax: (304) 926-0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

ENGINEERING EVALUATION / FACT SHEET

BACKGROUND INFORMATION

Application No.: R13-1303G
Plant ID No.: 061-00003
Applicant: Greer Limestone Company
Facility Name: Masontown Limestone Processing Plant
Location: Masontown, Monongalia County
SIC/NAICS Code: 1422/212312
Application Type: Modification
Received Date: November 6, 2015
Engineer Assigned: Joe Kessler
Fee Amount: \$2,000
Date Received: November 6, 2015
Complete Date: January 5, 2016
Due Date: April 4, 2016
Applicant's Ad Date: December 10, 2015
Newspaper: *The Dominion Post*
UTM's: 598.895 km Easting • 4,381.173 km Northing • Zone 17
Latitude/Longitude: 39.57249/-79.84700
Description: Greer is proposing to add, replace, and refurbish three (3) screens at the facility. Additionally, Greer is requesting, after having conducted a facility-wide inventory of on-site equipment and material throughputs, the after-the fact revision of the permit with various emission units that were not previously permitted and revising the facility's configuration and throughputs based on the facility as currently operated.

Entire Document
NON-CONFIDENTIAL

Greer Limestone Company's (Greer) Masontown Limestone Processing Plant was originally permitted on April 25, 1984 (R13-0746). After that, the expanding facility received several additional permits that were jointly applicable to the facility (R13-1022 and R13-1074). On January 22, 1991, Permit Number R13-1303 was issued and has been subsequently administratively updated (R13-1303A through R13-1303D) four times since that date. R13-1303C was issued as a consolidation permit and superceded all the other permits. Permit Applications R13-1303E and R13-1303F were withdrawn prior to issuance.

DESCRIPTION OF PROCESS/MODIFICATIONS

Existing Facility

The Masontown Limestone Processing Plant is a typical large non-metallic mineral processing plant that has been in operation (along with the adjacent quarry) at the site (in one form or another) since 1914. As currently configured, the facility is classified into five (5) processes: No. 1 Mill System, the Crusher Run System, No. 2 Mill System, the Sand System, and the Bradley Mill System. The existing facility uses baghouses, enclosures, and water sprays to control the numerous particulate matter sources. Due to the confusing history of the air permitting of this facility (and the numerous changes now incorporated into the permit application evaluated herein), it is difficult to determine the maximum permitted throughputs or configuration of the current facility. However, based on information in the current permit (R13-1303G), the existing maximum throughputs of the various sections of the facility are given in the following table:

Table 1: Existing Facility Throughput Limits

Section	Maximum Throughput	
	TPH	TPY
No. 1 Mill System	No Limit	No Limit
Crusher Run System	400	800,000
No. 2 Mill System	1,300	1,825,000
Sand System	150	900,000
Bradley Mill System	35	210,000

Proposed Modifications

Greer is now proposing to add, replace, and refurbish three (3) screens at the facility:

- Replace Screen No. 2 (SC-153, No. 2 Mill) with a new Allis Chalmers 8'x20' screen;
- Existing Screen No. 2 (currently SC-153) will be refurbished and used to replace Screen No. 1 (SC-152, No. 2 Mill); and
- Deister Screen SC-231 (Sand Plant) will be replaced with a refurbished pre-2009 screen.

Additionally, after having conducted a facility-wide inventory of on-site equipment and material throughputs, Greer is also proposing the updating of the permit with various units that were not previously permitted (after-the-fact) and revising the facility configuration and throughputs based on the facility as currently operated. The new post-modification maximum throughputs of the various sections of the facility (measured at the specified emission units) are given in the following table:

Table 2: Proposed Post-Modification Facility Throughput Limits

Plant	Throughput Limit		Emission Units
	TPH	TPY	
No. 1 Mill	1,500	3,299,700	BC-2
	600	1,147,500	SC-404
Old Crusher Run	330	631,125	BC-6A
No. 2 Mill	1,350	2,581,875	BC-2A
Sand Plant	150	430,313	BC-C2A
Bradley Mill	50	430,313	BCBM-1

Post-Modification Facility Description

A lengthy and detailed post-modification process description is given in Attachment G of permit application.

SITE INSPECTION

On June 26, 2012, a site inspection of the Masontown Limestone Processing Plant was conducted by Mr. Brian Tephabock of the DAQ Compliance/Enforcement (C/E) Section. This inspection found the facility be “Status 30 - In Compliance.”

AIR EMISSIONS AND CALCULATION METHODOLOGIES

Greer included in Attachment N of the permit application post-modification air emissions calculations for the equipment and processes at the Masontown Limestone Processing Plant. The following will summarize the calculation methodologies used by Greer to calculate the post-modification PTE of the facility.

Material Handling

Emissions from material handling operations (material transfer points, crushing and screening not controlled by a baghouse, haulroad traffic, storage piles, etc.) were calculated using the appropriate sections of AP-42 (AP-42 is a database of emission factors maintained by USEPA) or as established as reasonable in the G-40C General Permit guidance. Variables within the emission factor equations, including applicable particulate matter control devices, were based on guidance provided by DAQ or on reasonable values of anticipated inherent material properties. Maximum hourly and annual emission rates were based on the maximum hourly design and limited annual throughputs of the specific equipment, as applicable. The following table details the source of the particulate matter emission factors for each material handling source.

Table 3: Material Handling PM Emission Factor Sources

Emission Source	Emission Factor(s)	Emission Factor Source	Comments
Transfer Points	0.0037 lb-PM/ton 0.0018 lb-PM ₁₀ /ton 0.0003 lb-PM _{2.5} /ton	AP-42, Section 13.2.4 (11/06)	Emission factor calculation includes limestone moisture content (2.0%) and average wind speed (7 mph).
Primary Crushing (w/ out baghouse)	0.002 lb-PM/ton-crushed 0.001 lb-PM ₁₀ /ton-crushed 0.0001 lb-PM _{2.5} /ton-crushed	WV G-40C General Permit Guidance	G-40C Guidance based on primarily emission factors given in AP-42 Section 11.19. PM _{2.5} factor based on k factor from Section 13.2.4.
Secondary & Tertiary Crushing (w/ out baghouse)	0.0054 lb-PM/ton-crushed 0.0024 lb-PM ₁₀ /ton-crushed 0.0004 lb-PM _{2.5} /ton-crushed	WV G-40C General Permit Guidance	G-40C Guidance based on primarily emission factors given in AP-42 Section 11.19. PM _{2.5} factor based on k factor from Section 13.2.4.
Baghouses	Various	Subpart OOO Standard	PM emissions based on applicable outlet grain loading limit in Subpart OOO. PM _{2.5} and PM ₁₀ emissions scaled based on k factor from AP-42 Section Section 13.2.4.
Stockpile Erosion	10.70 lb-PM/day/acre 5.06 lb-PM ₁₀ /day/acre 0.77 lb-PM _{2.5} /day/acre	WV G-40C General Permit Guidance	G-40C Guidance based on emission factor given in <u>Air Pollution Engineering Manual</u> © 1992 pp. 136 & References. Includes material silt content (8%), number of precipitation days (157), and percent time wind speed exceeds 12 mph (20%). PM _{2.5} and PM ₁₀ emissions scaled based on k factor from AP-42, Section 13.2.4.
Unpaved Haulroads & Mobile Work Areas	6.72 - 11.64 lb-PM/VMT 1.98 - 3.43 lb-PM ₁₀ /VMT 0.20 - 0.34 lb-PM _{2.5} /VMT	AP-42 Section 13.2.2 (11/06)	Based on mean truck/endloader weights (28 - 95 tons), percent silt in road surface (10%), and number of precipitation days (157).

Unless otherwise noted in the above table, the above emission factors represent uncontrolled emissions. For calculating controlled emissions, Greer applied, where applicable, control efficiencies to the uncontrolled emissions. The control efficiencies were generally taken from WV G-40C General Permit Guidance.

Emergency Generator

Emissions from the existing old grandfathered 4-stroke Cummins Model GGMB emergency generator were based on AP-42, Section 3.2. As the air/fuel ration was not known, Greer calculated the potential emissions based on the worst-case emission factors for a 4-Stroke engine (either lean or rich burn). Maximum hourly emissions were based on a calculated heat input of 0.34 mmBtu/hr and annual emissions were based on the unit operating a maximum of 500 hours per year.

Emissions Summary

Based on the above, the post-modification PTE of the Masontown Limestone Processing Plant is given in the following table:

Table 4: Facility-Wide Post-Modification PTE

Source	PM		PM ₁₀		PM _{2.5}	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
No. 1 Mill	88.05	94.64	40.17	43.26	6.03	6.49
No. 2 Mill	30.50	43.60	14.52	20.76	2.18	3.11

Source	PM		PM ₁₀		PM _{2.5}	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Sand Plant	15.31	48.66	7.29	23.17	1.09	3.48
Bradley Mill	1.84	7.34	0.88	3.50	0.13	0.52
Stockpiles	8.03	35.15	3.82	16.74	0.57	2.51
Haulroads	118.29	113.12	34.86	33.33	3.52	3.36
Point Sources	135.70	194.24	62.86	90.69	9.43	13.60
Fugitive Sources	126.32	148.27	38.68	50.07	4.09	5.87
Facility Total →	262.02	342.51	101.54	140.76	13.52	19.47

- (1) Does not include the minor amounts of pollutants associated with the emergency generator. These emissions are given under 4.1.9. of the draft permit.

Based on the confusing nature of the changes at the facility, it is not possible to reasonably and accurately determine the change in annual facility-wide PTE as a result of the after-the-fact and other modifications evaluated herein.

REGULATORY APPLICABILITY

The Masontown Limestone Processing Plant is subject to the following substantive state and federal air quality rules and regulations: 45CSR7, 45CSR13, and 40 CFR 60, Subpart OOO. The following will discuss the potential or actual regulatory applicability of rules to the emission units located at the facility.

45CSR7: To Prevent and Control Particulate Air Pollution from Manufacturing Process Operations

45CSR7 has three substantive requirements potentially applicable to the particulate matter-generating operations at the modified Masontown Limestone Processing Plant. These are the opacity requirements under Section 3, the mass emission standards under Section 4, and the fugitive emission standards under Section 5. Each of these sections will be discussed below.

45CSR7 Opacity Standards - Section 3

Section 3.1 sets an opacity limit of 20% on the limestone processing and handling equipment. As shown in Attachment I of the permit application (as incorporated in Table 1.0 of the draft permit), the limestone processing and handling equipment uses enclosures, baghouses, and water sprays to mitigate the emissions of particulate matter. These measures should, if maintained and operated correctly, allow the equipment and processes to operate in compliance with the 20% opacity limit.

45CSR7 Weight Emission Standards - Section 4

Section 4.1 of 45CSR7 requires that each manufacturing process source operation or duplicate source operation meet a maximum allowable "stack" particulate matter limit based on the weight of material processed through the source operation. As the limit is defined as a "stack" limit, the only applicable emission units (defined as a type 'a' sources) are those that vent to the baghouses. As all baghouses have a emission limit based on the outlet grain loading standard in 40 CFR 60, Subpart OOO, and the applicable emission units have high process weight rates, the emission units venting to them will easily meet the Section 4.1 standard.

45CSR7 Fugitive Emissions - Section 5

Sections 5.1 and 5.2 of Rule 7 states that each manufacturing process or storage structure must include a system to minimize the emissions of fugitive particulate matter. The use of various controls (where reasonable) on material transfer points, the use of a water truck on the haulroads, and the management of on-storage pile activity is considered a reasonable system of minimizing the emissions of fugitive particulate matter at the facility.

45CSR13: Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, and Procedures for Evaluation

The proposed modifications of the Masontown Limestone Processing Plant have a (reasonably estimated) potential to increase particulate matter in excess of six (6) lbs/hour and ten (10) TPY of a regulated pollutant and, therefore, pursuant to §45-13-2.24, the changes are defined as a "modification" under 45CSR13. Pursuant to §45-13-5.1, "[n]o person shall cause, suffer, allow or permit the construction . . . and operation of any stationary source to be commenced without . . . obtaining a permit to construct." Therefore, Greer is required to obtain a permit under 45CSR13 for the modifications discussed herein.

As required under §45-13-8.3, Greer placed a Class I legal advertisement in a "newspaper of *general circulation* in the area where the source is . . . located." The ad ran on December 10, 2015 in *The Dominion Post* and the affidavit of publication for this legal advertisement was submitted on December 17, 2015.

45CSR14: Permits for Construction and Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration - (NON APPLICABILITY)

The Masontown Limestone Processing Plant is located in Monongalia County, WV. Monongalia County is classified as "in attainment" with all National Ambient Air Quality Standards and, therefore, as the facility is not a "listed source" under §45-14-2.43, the individual major source applicability threshold for all pollutants is 250 TPY. The calculation of facility-wide PTE to compare with this threshold does not include, pursuant to §45-14-2.43(e), fugitive emissions (defined at the Masontown Limestone Processing Plant as emissions generated from haulroads and stockpiles). As given in Table 4, the post-modification facility-wide PTE (excluding fugitive emissions) of the modified facility is less than 250 TPY. Therefore, the facility is not defined as a "major stationary source" under 45CSR14 and the rule does not apply.

45CSR30: Requirements for Operating Permits

45CSR30 provides for the establishment of a comprehensive air quality permitting system consistent with the requirements of Title V of the Clean Air Act. The Masontown Limestone Processing Plant, as limited by the draft permit, does not have a potential-to-emit of any regulated pollutant above any threshold listed under §45-30-2.26 and clarified (fugitive policy) under 45CSR30b that would define the facility as “major” under 45CSR30. However, as the facility is subject to a New Source Performance Standard (NSPS) - 40 CFR 60, Subpart OOO - pursuant to 45CSR30, the facility is subject to Title V. Non-major sources subject to Title V, pursuant to DAQ policy, are deferred from having to submit a Title V application.

40 CFR 60, Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants

Subpart OOO contains requirements relating to the performance of non-metallic mineral processing plants. The Masontown Limestone Processing Plant contains equipment that is applicable to Subpart OOO. The following discusses the substantive applicable requirements of Subpart OOO relating to the plant.

Subpart OOO Applicability - Section §60.670

Pursuant to §60.670, affected facilities under Subpart OOO include “each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station” located at a “fixed or portable nonmetallic mineral processing plant[s].” “Non-metallic processing plant” is defined as “any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located.” The definition of “non-metallic mineral” includes limestone. Therefore, Subpart OOO will be applicable to the limestone handling operations at the Masontown Limestone Processing Plant.

Subpart OOO Standard for Particulate Matter - Section §60.672

Section §60.672 sets the following particulate matter standards for affected facilities under Subpart OOO:

Table 5: Subpart OOO Emission Standards

Reference	Affected Facility	Stack Emissions	
		Mass (gr/dscf) ⁽¹⁾	Opacity (%)
Table 2	Affected Facilities with Capture Systems (before April 22, 2008)	0.022	7
	Affected Facilities with Capture Systems (after April 22, 2008)	0.014	n/a
Table 3	Affected Facilities (non-crushers) w/out Capture Systems (before April 22, 2008)	n/a	10
	Affected Facilities (non-crushers) w/out Capture Systems (after April 22, 2008)	n/a	7

Reference	Affected Facility	Stack Emissions	
		Mass (gr/dscf) ⁽¹⁾	Opacity (%)
Table 3	Crushers without Capture System (before April 22, 2008)	n/a	15
	Crushers without Capture System (after April 22, 2008)	n/a	12
§60.672(d)	Truck Dumping	n/a	n/a
§60.672(e)	Affected Facilities inside a Building	Must meet Table 2 or Table 3 limits or building openings/vents must meet:	
	Building Openings	n/a	7
	Building Vents	Table 2 Limits	n/a
§60.672(f)	Enclosed Storage Bins w/ Baghouse	n/a	7

(1) Mass emission standard represents filterable emissions only (compliance test requires use of Method 5 or Method 17).

Greer has proposed particulate matter controls to minimize any potential fugitive emissions and comply with the requirements of Subpart OOO. It is important to note that the baghouse BH-145 which controls the proposed new screen SC-153 will be subject to the lower outlet baghouse limit. All other screens, including those refurbished at the facility, have been determined (based on information submitted by Greer) to be subject to the pre-2008 limits.

Subpart OOO Monitoring of Operations - Section §60.674

Section §60.674 requires monitoring for sources that control particulate matter with wet scrubbers. Greer has not proposed use of a wet scrubber for control of particulate matter in the limestone handling operations.

Subpart OOO Test Method and Procedures - Section §60.675

Section §60.675 outlines the test methods and procedures to determine initial compliance with the standards noted above including the use of Method 9 to determine compliance with the opacity limits. Greer will be required to follow these requirements to determine initial compliance with the emission standards.

Subpart OOO Reporting and Record-keeping - Section §60.676

Section §60.51a outlines the reporting and record-keeping requirements required to be followed to be in compliance with Subpart OOO. Greer will be required to follow these requirements.

TOXICITY OF NON-CRITERIA REGULATED POLLUTANTS

This section provides an analysis for those regulated pollutants that may be emitted from the proposed Masontown Limestone Processing Plant and that are not classified as "criteria pollutants." Criteria pollutants are defined as Carbon Monoxide (CO), Lead (Pb), Oxides of Nitrogen (NO_x),

Ozone, Particulate Matter (PM₁₀ and PM_{2.5}), and Sulfur Dioxide (SO₂). These pollutants have National Ambient Air Quality Standards (NAAQS) set for each that are designed to protect the public health and welfare. Other pollutants of concern, although designated as non-criteria and without national concentration standards, are regulated through various federal and programs designed to limit their emissions and public exposure. These programs include federal source-specific Hazardous Air Pollutants (HAPs) limits promulgated under 40 CFR 61 (NESHAPS) and 40 CFR 63 (MACT). Any potential applicability to these programs were discussed above under REGULATORY APPLICABILITY. No non-criteria regulated pollutants should be emitted, in any substantive amounts, from the Masontown Limestone Processing Plant.

AIR QUALITY IMPACT ANALYSIS

The estimated maximum emissions of the Masontown Limestone Processing Plant are less than applicability thresholds that would define the facility as “major” under 45CSR14 and, therefore, no air quality impacts modeling analysis was required. Additionally, based on the nature and location of the proposed source, an air quality impacts modeling analysis was not required under §45-13-7.

MONITORING, COMPLIANCE DEMONSTRATIONS, REPORTING, AND RECORDING OF OPERATIONS

The following substantive monitoring, compliance demonstration, and reporting, record-keeping requirements (MRR) are required in the draft permit:

- For the purposes of demonstrating continuous compliance with maximum throughput limitations set forth in 4.1.3. of the draft permit, Greer shall be required to monitor and record the monthly and rolling twelve month throughput of each material specified under Table 4.1.3. at the identified emission unit. For the purposes of demonstrating compliance with the maximum usage limits set forth in 4.1.9. of the draft permit, Greer shall be required to maintain monthly and rolling twelve month records of the hours of operation of the emergency generator;
- For the purpose of determining compliance with the fugitive dust control methods established in 4.1.8. of the draft permit, Greer shall be required to maintain a monthly record of the amount of water applied to the haulroads and plant areas by the water truck. Records shall be maintained on site for a period of five (5) years. Certified copies of these records shall be made available to the Director or his/her duly authorized representative upon request;
- Dust collector maintenance records shall maintained on site for a period of five (5) years. Certified copies of these records shall be made available to the Director or his/her duly authorized representative upon request; and

- All dust collector malfunctions must be documented in writing and records of these malfunctions maintained on site for a period of 5 years. At minimum the following information must be documented for each malfunction:
 - a. The identity of the dust collector involved.
 - b. The cause of malfunction.
 - c. Steps taken to:
 - (1) correct the malfunction.
 - (2) minimize emissions during malfunction.
 - d. The duration of the malfunction in hours.
 - e. The estimated increase in emissions during the malfunction.
 - f. Any changes/modifications made to equipment and/or procedures that will help prevent future recurrence of the malfunction.

PERFORMANCE TESTING OF OPERATIONS

The following substantive performance testing is required in the draft permit:

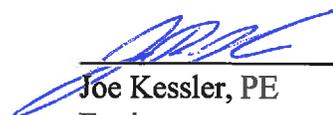
- During the performance testing required for BH-145 under §60.675 of Subpart OOO, Greer shall be required to determine the mass emission rates of PM, PM₁₀, and PM_{2.5} from BH-145 so as to determine compliance with the emission limitations given under 4.1.4. of the draft permit. This performance test shall be conducted in accordance with 3.3. of the draft permit.

CHANGES TO PERMIT R13-1303D

Permit Number R13-1303G was completely re-written and uses the new boilerplate. It is completely different than R13-1303G.

RECOMMENDATION TO DIRECTOR

The information provided in the permit application indicates that compliance with all applicable state and federal air quality regulations will be achieved. Therefore, I recommend to the Director the issuance of a Permit Number R13-1303G to Greer Limestone Company for the proposed modification of the Masontown Limestone Processing Plant located in Masontown, Monongalia County, WV.



 Joe Kessler, PE
 Engineer

2/17/16

 Date

West Virginia Department of Environmental Protection

Division of Air Quality

*Earl Ray Tomblin
Governor*

*Randy C. Huffman
Cabinet Secretary*

Permit to Modify



Entire Document
NON-CONFIDENTIAL R13-1303G

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Greer Limestone Company
Masontown Facility
061-00003**

DRAFT

*William F. Durham
Director*

Issued: DRAFT

This permit will supercede and replace Permit R13-1303D issued on October 8, 2004.

Facility Location: 5630 Earl L. Core Road, Monongahela County, West Virginia
Mailing Address: 8477 Veteran's Memorial Highway, Masontown, West Virginia 26542
Facility Description: Limestone Processing Plant
SIC/NAICS Codes: 1422/212312
UTM Coordinates: 598.895 km Easting • 4,381.173 km Northing • Zone 17
Latitude/Longitude: 39.57249/79.84700
Permit Type: Modification
Desc. of Change: Greer is proposing to add, replace, and refurbish three (3) screens at the facility. Additionally, Greer is requesting, after having conducted a facility-wide inventory of on-site equipment and material throughputs, the after-the fact revision of the permit with various emission units that were not previously permitted and revising the facility's configuration and throughputs based on the facility as currently operated.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

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1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
<i>Attached to this permit is Appendix A (Attachment I of Permit Application R13-1303G) which is incorporated by reference as Table 1.0 of this permit.</i>					

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NSPS	New Source Performance Standards
CBI	Confidential Business Information	PM	Particulate Matter
CEM	Continuous Emission Monitor	PM_{2.5}	Particulate Matter less than 2.5µm in diameter
CES	Certified Emission Statement	PM₁₀	Particulate Matter less than 10µm in diameter
C.F.R. or CFR	Code of Federal Regulations	Ppb	Pounds per Batch
CO	Carbon Monoxide	pph	Pounds per Hour
C.S.R. or CSR	Codes of State Rules	ppm	Parts per Million
DAQ	Division of Air Quality	Ppmv or ppmv	Parts per million by volume
DEP	Department of Environmental Protection	PSD	Prevention of Significant Deterioration
dscm	Dry Standard Cubic Meter	psi	Pounds per Square Inch
FOIA	Freedom of Information Act	SIC	Standard Industrial Classification
HAP	Hazardous Air Pollutant	SIP	State Implementation Plan
HON	Hazardous Organic NESHAP	SO₂	Sulfur Dioxide
HP	Horsepower	TAP	Toxic Air Pollutant
lbs/hr	Pounds per Hour	TPY	Tons per Year
LDAR	Leak Detection and Repair	TRS	Total Reduced Sulfur
M	Thousand	TSP	Total Suspended Particulate
MACT	Maximum Achievable Control Technology	USEPA	United States Environmental Protection Agency
MDHI	Maximum Design Heat Input	UTM	Universal Transverse Mercator
MM	Million	VEE	Visual Emissions Evaluation
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VOC	Volatile Organic Compounds
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOL	Volatile Organic Liquids
NA	Not Applicable		
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		
NO_x	Nitrogen Oxides		

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-1303D. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-1303G and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13.
[45CSR§13-10.1]

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power

for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:
 1. The permit or rule evaluated, with the citation number and language;
 2. The result of the test for each permit or rule condition; and,
 3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each

occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W. Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

- 3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. Only those emission units/sources as identified in Table 1.0 (which incorporates by reference Attachment I of Permit Application R13-1303G), with the exception of the emergency generator and any *de minimis* sources as identified under Table 45-13B of 45CSR13, are authorized at the permitted facility. In accordance with the information filed in Permit Application R13-1303G, the emission units/sources identified under Table 1.0 of this permit shall be installed, maintained, and operated so as to minimize any fugitive escape of pollutants, shall not exceed the listed maximum design capacities, and shall use the specified control devices.
- 4.1.2. The permittee shall not exceed the throughput limits in the following table, as measured at the specified emission units, of each noted section of the plant:

Table 4.1.2.: Plant Throughput Limits

Plant	Throughput Limit		Emission Units
	TPH	TPY	
No. 1 Mill	1,500	3,299,700	BC-2
	600	1,147,500	SC-404
Old Crusher Run	330	631,125	BC-6A
No. 2 Mill	1,350	2,581,875	BC-2A
Sand Plant	150	430,313	BC-C2A
Bradley Mill	50	430,313	BCBM-1

- 4.1.3. For purposes of 40 CFR 60, Subpart OOO applicability, the baghouses listed in the following table are subject to the limits given in Table 2 of Subpart OOO based on the date the emission units vented to them (as given under Table 1.0 of this permit) commenced construction, modification, or reconstruction. The baghouse (and the associated stack) is subject to the most stringent emission limit based on the Subpart OOO applicability of the equipment venting to it.

Table 4.1.3.: Subpart OOO PM Limits

Baghouse ID Number	Subpart OOO PM Limit	Opacity
BH-50	0.022 g/dscf	7%
BH-450	0.022 g/dscf	7%
BH-145 ⁽¹⁾	0.014 g/dscf	n/a
BH-217	0.022 g/dscf	7%
BH-218	0.022 g/dscf	7%
BH-250	0.022 g/dscf	7%
BH-317	0.022 g/dscf	7%

(1) BH-145 subject to lower Subpart OOO emission limit based on new screen SC-153.

- 4.1.4. The emission rates from the baghouses listed in the following table shall not exceed the given values for the specified pollutants:

Table 4.1.4.: Baghouse Mass Emission Limits

ID Number	PM		PM ₁₀		PM _{2.5}	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
BH-50	0.83	3.63	0.40	1.73	0.06	0.26
BH-450	0.83	3.63	0.40	1.73	0.06	0.26
BH-145	5.66	24.78	2.69	11.80	0.40	1.77
BH-217	6.98	30.56	3.32	14.55	0.50	2.18
BH-218	0.83	3.63	0.40	1.73	0.06	0.26
BH-250	1.38	6.03	0.66	2.87	0.10	0.43
BH-317	1.60	7.02	0.76	3.34	0.11	0.50

- 4.1.5. The limestone processing and conveying equipment are subject to the applicable limitations and standards under 40 CFR 60, Subpart OOO, including the requirements given below under (a) through (e).
- a. Affected facilities must meet the stack emission limits and compliance requirements in Table 2 of Subpart OOO within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.8. The requirements in Table 2 of Subpart OOO apply for affected facilities with capture systems used to capture and transport particulate matter to a control device.
[40 CFR §60.672(a)]
 - b. Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of Subpart OOO within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11. The requirements in Table 3 of Subpart OOO apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.
[40 CFR §60.672(b)]
 - c. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.
[40 CFR §60.672(d)]
 - d. If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in 40 CFR §60.672(a) and (b), or the building enclosing the affected facility or facilities must comply with the following emission limits:
 - (1) Fugitive emissions from the building openings (except for vents as defined in §60.671) must not exceed 7 percent opacity; and
 - (2) Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of Subpart OOO.
[40 CFR §60.672(e)]

- e. Any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of Subpart OOO but must meet the applicable stack opacity limit and compliance requirements in Table 2 of Subpart OOO. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.
[40 CFR §60.672(f)]
- 4.1.6. The limestone processing and conveying equipment are subject to the applicable limitations and standards under 45CSR7, including the requirements given below under (a) and (b).
- a. The permittee shall not cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from the limestone handling/processing operations which is greater than twenty (20) percent opacity, except as noted under 4.1.8.7.b.
[45CSR§7-3.1]
- b. The provisions of subsection 45CSR§7-3.1 shall not apply to smoke and/or particulate matter emitted from the limestone handling/processing operations which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60) minute period.
[45CSR§7-3.2]
- 4.1.7. The permittee is authorized to operate multiple storage piles at the facility (in the aggregate identified as OS1) according to the following requirements:
- a. The total active storage pile areas shall not exceed 18.0 acres nor store greater than 3,240,000 tons at one time.
- b. The permittee shall manage on-pile activity so as to minimize the release of emissions.
- 4.1.8. Fugitive particulate dust control systems shall be properly designed, installed, operated and maintained in such a manner so as to minimize the generation and atmospheric entrainment of fugitive particulate emissions. Opacity resulting from fugitive emissions shall not exceed 10 percent as determined by Method 9 visible emission monitoring procedures. Such systems for fugitive emission control shall, at a minimum, include, but not be limited to:
- a. The permittee shall maintain a functional water truck on-site equipped with a pump and spraybars to apply water or a mixture of water and an environmentally acceptable dust control additive (solution) to haulroads and work areas where mobile equipment is used, and to stockpiles. The spraybars shall be equipped with commercially available spray nozzles of sufficient size and number so as to provide adequate coverage to the area being treated. The pump delivering the water or solution shall be of sufficient size and capacity to be capable of delivering to the spray nozzles an adequate quantity of water or solution at a sufficient pressure to ensure the minimization of atmospheric entrainment of fugitive particulate emissions generated from haul roads, work areas, and stockpiles. The water truck shall be in operation at all times when fugitive particulate emissions from haulroads, work areas, and stockpiles are generated as a result of activity or wind.
- b. All water trucks and water sprays shall employ properly designed, installed, and maintained winterization systems in such a manner so that all fugitive particulate dust control systems remain functional when ambient temperatures are below 32 degrees Fahrenheit.
- c. All trucks hauling lime off-site must be tarped.

- d. All conveyor sections and transfer points shall use at minimum partial enclosures to control fugitive dust emissions.
- 4.1.9. The emergency generator shall be a 4-stroke natural gas-fired Cummins Model GGMB and shall operate according to the following requirements:
- a. The unit shall not operate in excess of 500 hours per year based on a rolling twelve month total;
 - b. The maximum emissions from the unit shall not exceed the limits given in the following table:

Table 4.1.9.: Emergency Generator Emission Limits

Pollutant	lb/hr	TPY
CO	1.72	0.32
NO _x	1.39	0.35
VOC	0.04	0.01

- c. **40 CFR 63, Subpart ZZZZ**
The emergency generator is defined as an “existing” emergency stationary engine under 40 CFR 63, Subpart ZZZZ and is subject to all applicable requirements under the rule including the following:

- (1) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.
[40 CFR §63.6603(a)]

- 4.1.10. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.2. Monitoring, Compliance Demonstration, Recording and Reporting Requirements

- 4.2.1. For the purposes of demonstrating continuous compliance with maximum throughput limitations set forth in 4.1.3., the permittee shall monitor and record the monthly and rolling twelve month throughput of each material specified under Table 4.1.3. at the identified emission unit. For the purposes of demonstrating compliance with the maximum usage limits set forth in 4.1.9., the permittee shall maintain monthly and rolling twelve month records of the hours of operation of the emergency generator.
- 4.2.3. For the purpose of determining compliance with the fugitive dust control methods established in 4.1.8, the permittee shall maintain a monthly record of the amount of water applied to the haulroads and plant areas by the water truck. Records shall be maintained on site for a period of five (5) years. Certified copies of these records shall be made available to the Director or his/her duly authorized representative upon request.

- 4.2.4. Dust collector maintenance records shall maintained on site for a period of five (5) years. Certified copies of these records shall be made available to the Director or his/her duly authorized representative upon request.
- 4.2.5. All dust collector malfunctions must be documented in writing and records of these malfunctions maintained on site for a period of 5 years. At minimum the following information must be documented for each malfunction:
- a. The identity of the dust collector involved;
 - b. The cause of malfunction;
 - c. Steps taken to;
 - (1) correct the malfunction; and
 - (2) minimize emissions during malfunction.
 - d. The duration of the malfunction in hours;
 - e. The estimated increase in emissions during the malfunction; and
 - f. Any changes/modifications made to equipment and/or procedures that will help prevent future recurrence of the malfunction.

4.3. Testing Requirements

- 4.3.1. At such reasonable time(s) as the Secretary may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Secretary may specify or approve and shall be filed in a manner acceptable to the Secretary. The Secretary, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Secretary exercise his option to conduct such test(s), the permittee shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the DAQ by the permittee at least thirty (30) days prior to the test and shall be approved by the Secretary. The Secretary shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.
- 4.3.2. During the performance testing required for BH-145 under §60.675 of Subpart OOO, the permittee shall also determine the mass emission rates of PM, PM₁₀, and PM_{2.5} from BH-145 so as to determine compliance with the emission limitations given under 4.1.4. This performance test shall be conducted in accordance with 3.3. of this permit.

4.4. General Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
- a. The date, place as defined in this permit and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.

- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:
- a. The equipment involved.
 - b. Steps taken to minimize emissions during the event.
 - c. The duration of the event.
 - d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

APPENDIX A

Attachment I of Permit Application R13-1303G
Emissions Units Table

ATTACHMENT I
EMISSION UNITS TABLE

Greer Limestone – Masontown
Plant ID: 061-00003
R13 Revision Application

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 1 Mill System						
BC-8	BC-8	No. 8 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BC-9	BC-9	No. 9 Belt	Pre 1988	1,350 tph	No Change (G)	PE
SB-037	SB-037	Surge Bin	2014	1,350 tons	Replacement	FE
BC-1	BC-1	No. 1 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-2	BC-2	No. 2 Belt	Pre 1988	1,500 tph	No Change (G)	PE
SC-038	51-E	No. 1 Screen	Pre 1988	750 tph	No Change (G)	FE
SC-039	51-E	No. 2 Screen	Pre 1988	750 tph	No Change (G)	FE
BC-7	BC-7	No. 7 Belt	Pre 1988	750 tph	No Change (G)	N
BC-4	BC-4	No. 4 Belt	Pre 1988	750 tph	No Change (G)	N
BC-3	BC-3	No. 3 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-6	BC-6	No. 6 Belt	Pre 1988	750 tph	No Change (G)	PE
HB-042	50-E	Holding Bin	Pre 1988	750 tph	No Change (G)	FE/BH-50
CR-043	50-E	Cone Crusher No. 1	Pre 1988	290 tph	No Change (G)	WS/BH-50
CR-044	50-E	Cone Crusher No. 2	Pre 1988	460 tph	No Change (G)	WS/BH-50
BC-10	BC-10	No. 10 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-11	BC-11	No. 11 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-9A	BC-9A	No. 9 Belt	Pre 1988	900 tph	Removed	N
SB-040	SB-040	Bin No. 1	Pre 1988	900 tph	Removed	PE
BC-1B	BC-1B	No. 1B Belt	Pre 1988	900 tph	Removed	N
NA	NA	Washer	Pre 1988	900 tph	Removed	N
BC-8A	BC-8A	No. 8 Belt	Pre 1988	1,350 tph	Existing not in permit	PE
S-126	S-126	Silo No. 1	Pre 1988	1,350 tph	No Change (G)	FE
BC-5	BC-5	No. 5 Belt	Pre 1988	1,350 tph	No Change (G)	PE

Attachment I

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that will be part of this permit application review, regardless of permitting status)

Black-Existing; Red-Modified or existing not in permit; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 1 Mill System						
S-127	S-127	Silo No. 2	Pre 1988	1,350 tph	No Change (G)	FE
BC-1C	BC-1C	No. 1 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BC-2A	BC-2A	No. 2 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BH-50	50-E	Dust Collector	Pre 1988	4,400 ACFM	No Change	NA
BC-1A	BC-1A	No. 1A Belt	Pre 1988	600 tph	No Change (G)	PE
SC-404	SC-404	Deister Screen	Pre 1988	600 tph	No Change (G)	FE
SB-431	SB-431	Deister Hopper	Pre 1988	600 tph	No Change (G)	FE
BC-7A	BC-7A	No. 7A Belt	Pre 1988	600 tph	No Change (G)	N
BC-4A	BC-4A	No. 4A Belt	Pre 1988	330 tph	No Change (G)	N
BC-2B	BC-2B	No. 2A Belt	Pre 1988	600 tph	No Change (G)	PE
CR-432	450-E	Omni Crusher	Pre 1988	600 tph	No Change (G)	BH-450
BC-3A	BC-3A	No. 3A Belt	Pre 1988	600 tph	No Change (G)	PE
BH-450	450-E	Dust Collector	Pre 1988	9,600 ACFM	No Change	NA

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S, ... or other appropriate designation.

² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C, ... or other appropriate designation.

Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
Old and New Crusher Run System						
SC-434	SC-434	Telesmith Screen No. 1	Pre 1988	330 tph	No Change (G)	FE
SC-435	SC-435	Telesmith Screen No. 2	Pre 1988	330 tph	No Change (G)	FE
BC-2C	BC-2C	No. 2 Belt	Pre 1988	330 tph	No Change (G)	FE
BC-4B	BC-4B	No. 4 Belt	Pre 1988	330 tph	No Change (G)	FE
SB-436	SB-436	1 ½ Bin	Pre 1988	330 tph	No Change (G)	PE
SB-437	SB-437	¾ Bin	Pre 1988	330 tph	No Change (G)	PE
BC-8A	BC-8A	No. 8 Feed Belt	Pre 1988	660 tph	No Change (G)	N
BC-9A	BC-9A	No. 9 Belt	Pre 1988	660 tph	No Change (G)	PE
BC-1D	BC-1D	No. 1 Belt	Pre 1988	660 tph	No Change (G)	PE
BC-2D	BC-2D	No. 2 Belt	Pre 1988	660 tph	No Change (G)	PE
BC-4A	BC-4A	No. 4 Belt	Pre 1988	660 tph	No Change (G)	PE
BC-6A	BC-6A	Belt Conveyor	Pre 1988	330 tph	No Change (G)	PE
CR-412	CR-412	Omni Crusher	Pre 1988	330 tph	No Change (G)	WS
BC-5A	BC-5A	No. 5 Belt Return	Pre 1988	330 tph	No Change (G)	PE
SB-437A	SB-437A	Surge Bin	Pre 1988	330 tph	Existing Not in Permit	PE
ST-439	ST-439	1 ½" Radial Stacker	April 2015	580 tph	Replacement	PE
BC-3B	BC-3B	No. 3 Belt	Pre 1988	580 tph	No Change (G)	PE
ST-440	ST-440	¾" Radial Stacker	July 2014	580 tph	Replacement	PE
BC-11A	BC-11A	Belt Conveyor	Pre 1988	400 tph	No Change (G)	N
BC-3C	BC-3C	Belt Conveyor	Pre 1988	50 tph	No Change (G)	N
BC-12	BC-12	Belt Conveyor	Pre 1988	50 tph	No Change (G)	N
BC-441	BC-441	Belt Conveyor (S-441)	2004	250 tph	No Change	PE
SB-443	SB-443	Truck Loadout Bin	2004	250 tons	No Change	FE
BC-444	BC-444	Belt Conveyor (S-444)	2004	250 tph	No Change	PE
BC-445	BC-445	Belt Conveyor (S-445)	2004	250 tph	No Change	PE

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Black-Existing; Red-Modified or existing not in permit; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
Old and New Crusher Run System						
BC-446	BC-446	Belt Conveyor (S-446)	2004	250 tph	No Change	PE
BC-447	BC-447	Belt Conveyor	2004	580 tph	Existing Not in Permit	PE
SB-442	SB-442	50 ton Sand Dump Hopper			Removed	

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S, ... or other appropriate designation.

² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C, ... or other appropriate designation.

Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 2 Mill System						
BC-3D	BC-3D	No. 3 Belt	1988	1,350 tph	No Change	PE
BC-4C	BC-4C	No. 4 Belt	1988	1,350 tph	No Change	PE
BH-145	145-E	Dust Collector	1988	30,000 ACFM	No Change	NA
SC-152	145-E	No. 1 Screen	2016	1,350 tph	Replacement	BH-145
SC-153	145-E	No. 2 Screen	2016	1,350 tph	Replacement	BH-145
SC-154	145-E	No. 3 Screen	1988	400 tph	No Change	BH-145
BC-5B	145-E	No. 5 Belt	1988	400 tph	No Change	BH-145
BC-6B	145-E	No. 6 Belt	1988	400 tph	No Change	BH-145
BC-9B	BC-9B	No. 9 Belt	1988	400 tph	No Change	PE
SB-128	SB-128	4's Silo	1988	400 tph	No Change	FE
BC-1F	BC-1F	No. 1A Belt	1988	400 tph	No Change	PE
ST-130	ST-130	4's Thor Radial Stacker	2013	400 tph	Replacement	WS
BC-8B	145-E	No. 8 Belt	1988	400 tph	No Change	BH-145
BC-7A	BC-7A	No. 7 Belt	1988	400 tph	No Change	PE
SB-129	SB-129	57's Silo	1988	400 tph	No Change	FE
BC-1G	BC-1G	No. 1B Belt	1988	400 tph	No Change	PE
BC-2E	BC-2E	No. 2B Belt	1988	400 tph	No Change	PE
ST-131	ST-131	57's Thor Radial Stacker	2013	400 tph	Replacement	WS
BC-1H	BC-1H	No. 1D Belt	1988	400 tph	No Change	PE
BC-2D	BC-2D	No. 2 Belt	1988	550 tph	No Change	PE
ST-132	ST-132	8's Thor Radial Stacker	2013	550 tph	Replacement	PE
BC-14	BC-14	No. 14 Belt	1988	400 tph	No Change	PE
BC-1E	BC-1E	No. 1C Belt	1988	400 tph	No Change	PE
BC-10	145-E	No. 10 Belt	1988	400 tph	Existing Not in Permit	BH-145

Attachment I

Emission Units Table

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Black-Existing; Red-Modified or existing not in permit; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 2 Mill System						
CR-133	145-E	Crusher	1988	400 tph	No Change	WS/BH-145
BC-11A	BC-11A	No. 11 Belt	1988	400 tph	No Change	PE
BC-12A	BC-12A	No. 12 Belt	1988	400 tph	No Change	PE
BC-13	145-E	No. 13 Belt	1988	400 tph	No Change	BH-145
BC-15	145-E	No. 15 Belt	1988	200 tph	No Change	BH-145
BC-16	BC-16	No. 16 Belt	1988	200 tph	No Change	PE
SB-134	145-E	4's bin 1	1988	400 tph	No Change	BH-145
SB-135	145-E	4's bin 2	1988	400 tph	No Change	BH-145
SB-136	145-E	Sand bin 3	1988	400 tph	No Change	BH-145
SB-137	145-E	57's/67's bin 4	1988	400 tph	No Change	BH-145
SB-138	145-E	Sand bin 5	1988	400 tph	No Change	BH-145
SB-139	145-E	57's/67's bin 6	1988	400 tph	No Change	BH-145
SB-140	145-E	Sand bin 7	1988	400 tph	No Change	BH-145
SB-141	145-E	57's/67's bin 8	1988	400 tph	No Change	BH-145
SB-143	145-E	8's bin 10	1988	400 tph	No Change	BH-145
BC-17	BC-17	No. 17 Belt	1988	200 tph	Existing not in permit	PE
SB-142	145-E	Float Bin 9	1988	400 tph	No Change	BH-145

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S, ... or other appropriate designation.

² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C, ... or other appropriate designation.

Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
Sand Plant						
AS-228	145-E	Air Separator	Pre-1988	200 tph	No Change	BH-145
SC-4	SC-4	Screw Conveyor	1988	200 tph	Existing Not in Permit	FE
BC-C2	BC-C2	C-2 Belt (old)	1988	200 tph	No Change	PE
SB-220A	SB-220A	Old Sand Bin	1988	200 tph	Existing Not in Permit	FE
BC-C3	BC-C3	C-3 Belt (old)	1988	200 tph	No Change	PE
ST-212	ST-212	Radial Stacker	1998	200 tph	No Change	WS
BC-C18	BC-C18	C18 Belt	1988	150 tph	No Change	PE
BC-C1	BC-C1	C-1 Belt (old)	1988	200 tph	No Change	PE
BC-C1A	BC-C1A	C-1 Belt	1988	550 tph	No Change	PE
SB-229	250-E	Surge Bin	1995	150 tph	No Change	BH-250
CR-230	250-E	Cone Crusher	1995	150 tph	No Change	BH-250
BC-C2A	BC-C2A	C-2 Belt	1988	150 tph	No Change	PE
SC-231	217-E	Deister Screen	2016	75 tph	Replacement	BH-217
SC-233	217-E	Deister Screen	1995	75 tph	No Change	BH-217
BC-C3A	BC-C3A	C-3 Belt	1988	150 tph	No Change	PE
BC-C4	BC-C4	C-4 Belt	1988	150 tph	No Change	PE
BC-C7	BC-C7	C-7 Belt	1988	300 tph	No Change	PE
BC-C6	BC-C6	C-6 Belt	1988	150 tph	Existing Not in Permit	PE
AC-225	218-E	Air Classifier	1997	300 tph	No Change	BH-218
SC-3	SC-3	Screw Conveyor	1988	150 tph	No Change	FE
SB-220	SB-220	New Sand Bin	1997	150 tph	No Change	FE
BC-C8	BC-C8	C-8 Belt	1988	150 tph	No Change	PE
PM-226	PM-226	Pug Mill	1997	150 tph	No Change	FE/WS

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
Sand Plant						
BC-C8A	BC-C8A	No. 9 Belt	1988	150 tph	Existing Not in Permit	PE
BCE-10	BCE-10	Shuttle Conveyor (S-215)	1995	150 tph	No Change	PE
BH-217	217-E	Dust Collector	2002	37,000 ACFM	No Change	NA
SC-1	SC-1	Screw Conveyor	1988	150 tph	Existing Not in Permit	FE
SC-2	SC-2	Screw Conveyor	1988	150 tph	No Change	FE
BC-C5	BC-C5	C-5 Belt	1995	150 tph	Existing Not in Permit	BH
BH-218	218-E	Dust Collector	1997	4,400 ACFM	No Change	NA
SC-3A	SC-3A	Screw Conveyor	1988	150 tph	Existing Not in Permit	FE
SB-232	218-E	Storage Bin	1997	150 tph	No Change	BH-218
BH-250	250-E	Dust Collector	2002	7,300 ACFM	No Change	NA
SB-227	SB-227	Storage Bin			Removed	
C-11	C-11	C-11 belt			Removed	

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² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C, ... or other appropriate designation.

Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
Bradley Mill						
BCBM-1	BCBM-1	Belt Conveyor	1991	50 tph	Existing Not in Permit	PE
BCBM-2	BCBM-2	Belt Conveyor	1991	50 tph	Existing Not in Permit	PE
SB-318	317-E	Surge Bin	1991	50 tph	No Change	BH-317
BM-319	317-E	Bradley Mill	1991	50 tph	No Change	BH-317
SC-6	SC-6	Screw Conveyor	1991	50 tph	Rename SC-2 as SC-6	FE
SC-7	SC-7	Screw Conveyor	1991	50 tph	Rename SC-3 as SC-7	FE
SB-309	317-E	Bin	1991	50 tph	No Change	BH-317
AV-320	317-E	Airveyor No. 1	1991	50 tph	No Change	BH-317
SB310	317-E	Ag Lime Bin No. 1	1991	50 tph	No Change	BH-317
SB311	317-E	Ag Lime Bin No. 2	1991	50 tph	No Change	BH-317
SC-5	SC-5	Screw Conveyor No. 3	1991	50 tph	Rename SC-1 as SC-5	FE
BH-317	317-E	Dust Collector	1991	8,500 ACFM	No Change	NA
SB-314	SB-314	Float Bin	1991	50 tph	No Change	FE
Facility-Wide						
OS1	OS1	Stockpile (multiple piles of various stone sizes)	Pre 1988	3.24 MM tons	Combine stockpiles	N

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² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

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Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature¹
(please use blue ink)

Responsible Official or Authorized Representative

Date

Name and Title
(please print or type)

Name

Title

Telephone No. _____

Fax No. _____

¹ This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
 - (ii) the delegation of authority to such representative is approved in advance by the Director;
- b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or
- d. The designated representative delegated with such authority and approved in advance by the Director.

INTERNAL PERMITTING DOCUMENT TRACKING MANIFEST

Company Name GREER LIMESTONE COMPANY

Permitting Action Number R13-13036 Total Days 43 DAQ Days 103

Permitting Action:

- | | | |
|---|------------------------------------|---|
| <input type="radio"/> Permit Determination | <input type="radio"/> Temporary | <input checked="" type="radio"/> Modification |
| <input type="radio"/> General Permit | <input type="radio"/> Relocation | <input type="radio"/> PSD (Rule 14) |
| <input type="radio"/> Administrative Update | <input type="radio"/> Construction | <input type="radio"/> NNSR (Rule 19) |

Documents Attached:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Engineering Evaluation/Memo | <input checked="" type="checkbox"/> Completed Database Sheet |
| <input checked="" type="checkbox"/> Draft Permit | <input type="radio"/> Withdrawal |
| <input checked="" type="checkbox"/> Notice | <input type="radio"/> Letter |
| <input type="radio"/> Denial | <input type="radio"/> Other (specify) _____ |
| <input type="radio"/> Final Permit/General Permit Registration | _____ |

Date	From	To	Action Requested
2/17/16	Joe Kessler	Bev McKeone	<i>NOTICE APPROVAL</i>
2/23	<i>Bev</i>	<i>Joe</i>	<i>Co to Notice</i>

NOTE: Retain a copy of this manifest for your records when transmitting your document(s).

Kessler, Joseph R

From: Kessler, Joseph R
Sent: Monday, February 22, 2016 10:11 AM
To: 'Scott Kisner'
Subject: RE: Masontown

Sounds and looks good.

From: Scott Kisner [mailto:skisner@greerindustries.com]
Sent: Monday, February 22, 2016 10:10 AM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Subject: RE: Masontown

Since it will take a few days (up to a week) to have a sign made, we'll go ahead and move forward on the gate sign, unless you see some reason we should wait for confirmation from you or Bev. Using your picture as an example, our sign will read:

Greer Industries, Inc. dba Greer Limestone Company has submitted an application to the WVDEP, Division of Air Quality for a Regulation 13 air quality permit for the modification of limestone processing facility at this site.

For information contact:
WVDEP, Division of Air Quality
(304) 926-0499, Ext. 1227

ID. No. 061-00003 Reg. 13036
Company Greer
Facility Masontown Region _____
Initials JK

Scott

From: Kessler, Joseph R [mailto:Joseph.R.Kessler@wv.gov]
Sent: Monday, February 22, 2016 8:57 AM
To: Scott Kisner <skisner@greerindustries.com>
Subject: RE: Masontown

Entire Document
NON-CONFIDENTIAL

Thanks Scott, here is the relevant R13 language. A picture of an example sign is attached.

8.4.a. Within one week prior to the Secretary's placement of a Class I legal advertisement of intent to issue or within three (3) working days of the Secretary's placement of the advertisement, the applicant shall publish a commercial display advertisement in a newspaper of general circulation in the area where the source is or will be located. The commercial display advertisement shall be at least 3 inches by 5 inches and contain at a minimum, the name of the applicant, the type and location of the source, the type and amount of air pollutants that will be discharged, the nature of the permit being sought, the proposed start-up date for the source and a contact telephone number for more information.

8.5.a. Within one week prior to the Secretary's placement of a Class I legal advertisement of intent to issue or within three (3) working days of the Secretary's placement of the advertisement, the applicant shall post a visible and accessible sign, at a minimum 2 feet square, at the entrance to the source or proposed site. The sign must be clearly marked indicating that an air quality permit has been applied for and include the West Virginia Division of Air Quality permitting section telephone number for additional information. The applicant must post the sign for the duration of the public notice period.

I will also need a picture of the sign e-mailed to me and copy of the commercial display ad (which is not a legal advertisement) sent to me.

Thanks

Joe

From: Scott Kisner [<mailto:skisner@greerindustries.com>]
Sent: Monday, February 22, 2016 8:47 AM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Cc: Rachel Sellaro <rsellaro@greerindustries.com>
Subject: RE: Masontown

Joe,

Attached is an updated PDF of the permit application for Greer Limestone. The following pages have been replaced: I1, I2, I5, J2, L11, M1, M2, N1, N3 and N7.

I agree with your conclusion that the permit is a synthetic minor as we did restrict tonnages to levels necessary to avoid Title V applicability. Does DAQ provide the language/format for the commercial display and gate sign? If not, where do I find details on these two notices?

Thanks,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Lime phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [<mailto:Joseph.R.Kessler@wv.gov>]
Sent: Wednesday, February 17, 2016 2:30 PM
To: Scott Kisner <skisner@greerindustries.com>
Subject: RE: Masontown

Scott, I wanted to give you an update. I have completed my preliminary review and will be submitting a draft permit to Bev for approval to go to notice today. Couple things I would like discuss when you get back into the office. First, I believe the revised permit is properly considered a synthetic minor, so that would require you to go through notice level C in R13. Which means you would need to place a commercial display ad in the paper and a sign at the plant entrance. Also, I would like a full updated electronic copy of the permit with the changes you previously submitted to update our webpage.

Thanks

Joe

From: Scott Kisner [<mailto:skisner@greerindustries.com>]
Sent: Thursday, January 14, 2016 4:14 PM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>

Cc: Rachel Sellaro <rsellaro@greerindustries.com>

Subject: RE: Masontown

Joe,

The Greer family began operating a limestone mine at the present day Greer Limestone site in 1914.

In regard to your question from yesterday, BH-51 does not exist, has never existed, and is not proposed for installation. This was a mistake by our consultant that was supposed to have been completely removed from the application prior to submittal. Please find attached revised pages that address the removal of BH-51 and the change in particulate emissions of BH-145 from 0.022 to 0.014 grains/dscf.

Here's a summary of the revisions:

Attachment I, 1st page – Changed SC-038 and SC-039 to control by FE only.

Attachment I, 2nd page – Deleted BH-51.

Attachment I, 5th page – Corrected description of SC-154 to No. 3 Screen. It was mistakenly listed as No. 2 Screen.

Attachment J, page J2 – Revised emissions from BH-145 to reflect the limit of 0.014 grains/dscf.

Attachment L, page L11 – Deleted BH-51 reference as control to SC-038 and SC-039. Added corrected particulate emissions.

Attachment M, pages M1 and M2 – Corrected emission rates to reflect new limit of 0.014 grains/dscf.

Attachment N, pages N1, N3 and N7 – Revised particulate emissions from BH-145 and screens SC-038 and SC-039.

The decrease in potential emissions from the more stringent limit on BH-145 combined with the increase in potential emission from screens SC-038 and SC-039 results in an overall small decrease in the annual particulate rate that was advertised in the public notice. I assume that since there is no increase, we will not be required to re-advertise.

In regard to the Deister screen (SC-231) located in the sand plant, this screen is scheduled for reconstruction using an older (pre-2008) spare 8x20 screen unit that is being stored off-site in an equipment yard approximately one (1) mile from the plant. The estimated cost to reconstruct screen SC-231 using the spare unit is \$36,966.93. An identically sized new screen to fully replace SC-231 was quoted at \$119,680. We determined that the reconstructed screen will remain subject to the pre-2008 requirements of Subpart OOO based on the following:

1. The replacement/spare screen is an older unit manufactured before April 28, 2008.
2. The cost of the rebuild/reconstruction of SC-231 is less than 50% of the fixed capital cost that would be required to purchase a new comparable unit.
3. The rebuilt/reconstructed screen will be identical in size and capacity.
4. The rebuilt/reconstructed screen has the same level of particulate matter emissions control.

Please let me know if you need any additional information.

Regards,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Lime phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [<mailto:Joseph.R.Kessler@wv.gov>]
Sent: Thursday, January 14, 2016 1:43 PM
To: Scott Kisner <skisner@greerindustries.com>
Subject: Masontown

Scott, when was the Masontown site originally built?

Thanks

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Kessler, Joseph R

From: Kessler, Joseph R
Sent: Thursday, January 14, 2016 4:42 PM
To: 'Scott Kisner'
Subject: RE: Masontown

Entire Document
NON-CONFIDENTIAL

Thanks Scott, I will delve back into it next week. You will not need to re-notice. Even if there was an increase, I could catch it in my notice.

Joe

From: Scott Kisner [mailto:skisner@greerindustries.com]
Sent: Thursday, January 14, 2016 4:14 PM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Cc: Rachel Sellaro <rsellaro@greerindustries.com>
Subject: RE: Masontown

I.D. No. 061-00003 Reg. 13036
Company Greer
Facility MORGANTOWN Region _____
Initials JK

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3. The rebuilt/reconstructed screen will be identical in size and capacity.
4. The rebuilt/reconstructed screen has the same level of particulate matter emissions control.

Please let me know if you need any additional information.

Regards,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Home phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [<mailto:Joseph.R.Kessler@wv.gov>]
Sent: Thursday, January 14, 2016 1:43 PM
To: Scott Kisner <skisner@greerindustries.com>
Subject: Masontown

Scott, when was the Masontown site originally built?

Thanks

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Kessler, Joseph R

From: Kessler, Joseph R
Sent: Wednesday, January 13, 2016 2:14 PM
To: 'Scott Kisner'
Subject: RE: R13-1303G Permit Application Review Status

I may have missed it, but I don't see BH-51 in the emission calculations but it is listed as controlling emissions from 2 screens in the No. 1 Mill System.

Joe

From: Scott Kisner [mailto:skisner@greerindustries.com]
Sent: Friday, January 08, 2016 9:21 AM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Subject: RE: R13-1303G Permit Application Review Status

Joe,

Thanks for the update. Don't hesitate to call/email if you have any questions. The Greer Limestone facility is a large plant by typical limestone processing standards and can be confusing even if you've been through it a few times.

I don't know if you guys get out and do your own site visits anymore, but if you want to arrange a trip to Masontown I'd be happy to take you through the plant.

I know we are very early in the process, but do you have an estimate on when a draft may be available? I ask because part of the application addresses a replacement to the screens in the No. 2 mill which are in very poor condition. Since the replacement screens will trigger the new version standards of Subpart OOO (which currently isn't addressed in any site permit), I understand that a like-kind replacement of these old screens can't take place until the permit is issued.

Regards,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Lime phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [mailto:Joseph.R.Kessler@wv.gov]
Sent: Tuesday, January 05, 2016 10:36 AM
To: Scott Kisner <skisner@greerindustries.com>
Cc: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Subject: R13-1303G Permit Application Review Status

RE: Application Status: Complete
Greer Limestone Company
Masontown

Permit Application: R13-1303G
Plant ID No.: 061-00003

Dear Mr. Kisner:

Your application for a modification permit was received by the Division of Air Quality (DAQ) on November 6, 2015 and assigned to the writer for review. Upon an initial review of the application, it was determined that an additional item needed to be addressed prior to the application being deemed complete. After receiving the required additional information, the application has been deemed complete as of the date of this e-mail. The ninety (90) day statutory time frame began on that day.

This determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit determination.

Should you have any questions, please contact me at (304) 926-0499 ext. 1219 or reply to this e-mail.

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Kessler, Joseph R

From: Kessler, Joseph R
Sent: Monday, January 11, 2016 2:23 PM
To: 'Scott Kisner'
Subject: RE: R13-1303G Permit Application Review Status

Scott, I would like to come up and take a look but workloads these days just don't allow it on most modifications. Maybe when things slow down. I understand you need the permit as soon as possible, and I will do what I can to get to as quick as I can.

Thanks

Joe

From: Scott Kisner [mailto:skisner@greerindustries.com]
Sent: Friday, January 08, 2016 9:21 AM
To: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Subject: RE: R13-1303G Permit Application Review Status

Joe,

Thanks for the update. Don't hesitate to call/email if you have any questions. The Greer Limestone facility is a large plant by typical limestone processing standards and can be confusing even if you've been through it a few times.

I don't know if you guys get out and do your own site visits anymore, but if you want to arrange a trip to Masontown I'd be happy to take you through the plant.

I know we are very early in the process, but do you have an estimate on when a draft may be available? I ask because part of the application addresses a replacement to the screens in the No. 2 mill which are in very poor condition. Since the replacement screens will trigger the new version standards of Subpart OOO (which currently isn't addressed in any site permit), I understand that a like-kind replacement of these old screens can't take place until the permit is issued.

Regards,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Lime phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [mailto:Joseph.R.Kessler@wv.gov]
Sent: Tuesday, January 05, 2016 10:36 AM
To: Scott Kisner <skisner@greerindustries.com>
Cc: Kessler, Joseph R <Joseph.R.Kessler@wv.gov>
Subject: R13-1303G Permit Application Review Status

**RE: Application Status: Complete
Greer Limestone Company
Masontown
Permit Application: R13-1303G
Plant ID No.: 061-00003**

Dear Mr. Kisner:

Your application for a modification permit was received by the Division of Air Quality (DAQ) on November 6, 2015 and assigned to the writer for review. Upon an initial review of the application, it was determined that an additional item needed to be addressed prior to the application being deemed complete. After receiving the required additional information, the application has been deemed complete as of the date of this e-mail. The ninety (90) day statutory time frame began on that day.

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Should you have any questions, please contact me at (304) 926-0499 ext. 1219 or reply to this e-mail.

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Kessler, Joseph R

From: Scott Kisner <skisner@greerindustries.com>
Sent: Thursday, January 14, 2016 4:14 PM
To: Kessler, Joseph R
Cc: Rachel Sellaro
Subject: RE: Masontown
Attachments: Attachment I Revised Pages 1-14-16.pdf; Attachment J2 Revised Page 1-14-16.pdf; Attachment L11 Revised Page 1-14-16.pdf; Attachment M BH-145 Revised Pages 1-14-16.pdf; Attachment N Revised Pages 1-14-16.pdf

Entire Document
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Joe,

The Greer family began operating a limestone mine at the present day Greer Limestone site in 1914.

In regard to your question from yesterday, BH-51 does not exist, has never existed, and is not proposed for installation. This was a mistake by our consultant that was supposed to have been completely removed from the application prior to submittal. Please find attached revised pages that address the removal of BH-51 and the change in particulate emissions of BH-145 from 0.022 to 0.014 grains/dscf.

I.D. No. 061-00223 Reg. 1303G
Company Greer
Facility Masontown Region
Initials JS

Here's a summary of the revisions:

- Attachment I, 1st page – Changed SC-038 and SC-039 to control by FE only.
- Attachment I, 2nd page – Deleted BH-51.
- Attachment I, 5th page – Corrected description of SC-154 to No. 3 Screen. It was mistakenly listed as No. 2 Screen.
- Attachment J, page J2 – Revised emissions from BH-145 to reflect the limit of 0.014 grains/dscf.
- Attachment L, page L11 – Deleted BH-51 reference as control to SC-038 and SC-039. Added corrected particulate emissions.
- Attachment M, pages M1 and M2 – Corrected emission rates to reflect new limit of 0.014 grains/dscf.
- Attachment N, pages N1, N3 and N7 – Revised particulate emissions from BH-145 and screens SC-038 and SC-039.

The decrease in potential emissions from the more stringent limit on BH-145 combined with the increase in potential emission from screens SC-038 and SC-039 results in an overall small decrease in the annual particulate rate that was advertised in the public notice. I assume that since there is no increase, we will not be required to re-advertise.

In regard to the Deister screen (SC-231) located in the sand plant, this screen is scheduled for reconstruction using an older (pre-2008) spare 8x20 screen unit that is being stored off-site in an equipment yard approximately one (1) mile from the plant. The estimated cost to reconstruct screen SC-231 using the spare unit is \$36,966.93. An identically sized new screen to fully replace SC-231 was quoted at \$119,680. We determined that the reconstructed screen will remain subject to the pre-2008 requirements of Subpart OOO based on the following:

1. The replacement/spare screen is an older unit manufactured before April 28, 2008.
2. The cost of the rebuild/reconstruction of SC-231 is less than 50% of the fixed capital cost that would be required to purchase a new comparable unit.
3. The rebuilt/reconstructed screen will be identical in size and capacity.
4. The rebuilt/reconstructed screen has the same level of particulate matter emissions control.

Please let me know if you need any additional information.

Regards,

Scott

Scott Kisner
Environmental Compliance Manager
Greer Industries, Inc.
Home phone: 304-567-2141
Engineering phone: 304-864-5411
Cell: 304-276-5263

From: Kessler, Joseph R [mailto:Joseph.R.Kessler@wv.gov]
Sent: Thursday, January 14, 2016 1:43 PM
To: Scott Kisner <skisner@greerindustries.com>
Subject: Masontown

Scott, when was the Masontown site originally built?

Thanks

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Civil & Environmental Consultants
11/5/2015

Checked By: DDR
Date: 8/14/15

Proposed Facility Emissions

Total Facility	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	1,462.91	3,678.98	262.03	342.51
PM10	522.76	1,300.02	101.55	140.75
PM2.5	73.22	191.82	13.53	19.48

Point Sources

Total Point Source	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	1,060.58	3,266.78	135.70	194.24
PM10	402.75	1,172.18	62.86	90.69
PM2.5	60.93	178.10	9.43	13.60

No. 1 Mill	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	229.78	232.64	88.05	94.64
PM10	100.68	101.74	40.17	43.26
PM2.5	15.06	15.22	6.03	6.49

No. 2 Mill	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	149.94	148.65	30.50	43.60
PM10	61.48	61.31	14.52	20.76
PM2.5	9.27	9.24	2.18	3.11

Sand Plant	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	678.77	2,882.51	15.31	48.66
PM10	239.59	1,007.73	7.29	23.17
PM2.5	36.45	153.43	1.09	3.48

Bradley Mill	Uncontrolled		Controlled	
	lb/hr	tpy	lb/hr	tpy
PM	2.09	2.97	1.84	7.34
PM10	1.00	1.41	0.88	3.50
PM2.5	0.15	0.21	0.13	0.52

Dust Collectors

Emission Point ID Number	Equipment Description	Control Device ID Number	Air Flow (ACFM)	Annual Air Flow (ACF x 10 ⁶)	Regulated Pollutant	Emission Limit ⁽³⁾ (grains/ACF)	Controlled	
							Hourly Emissions (lb/hr)	Annual Emissions (tpy)
50-E	No. 1 Mill Cone Crusher Baghouse	BH-50	4,400	2,313	PM	0.022	0.83	3.63
					PM10		0.40	1.73
					PM2.5		0.06	0.26

Emission Point ID Number	Equipment Description	Control Device ID Number	Air Flow (ACFM)	Annual Air Flow (ACF x 10 ⁶)	Regulated Pollutant	Emission Limit ⁽³⁾ (grains/ACF)	Hourly Emissions	Annual Emissions
							(lb/hr)	(tpy)
450-E	Omni Crusher Baghouse	BH-450	4,400	2,313	PM	0.022	0.83	3.63
					PM10		0.40	1.73
					PM2.5		0.06	0.26

Regulated Pollutant	No. 1 Mill Baghouse Total	Hourly Emissions (lb/hr)	Annual Emissions (tpy)
PM		1.66	7.27
PM10		0.79	3.46
PM2.5		0.12	0.52

Emission Point ID Number	Equipment Description	Control Device ID Number	Air Flow (ACFM)	Annual Air Flow (ACF x 10 ⁶)	Regulated Pollutant	Emission Limit ⁽³⁾ (grains/ACF)	Hourly Emissions	Annual Emissions
							(lb/hr)	(tpy)
145-E	No. 2 Mill Baghouse	BH-145	30,000	15,768	PM	0.014	3.60	15.77
					PM10		1.71	7.51
					PM2.5		0.26	1.13

Regulated Pollutant	No. 2 Mill Baghouse Total	Hourly Emissions (lb/hr)	Annual Emissions (tpy)
PM		3.60	15.77
PM10		1.71	7.51
PM2.5		0.26	1.13

Emission Point ID Number	Equipment Description	Control Device ID Number	Air Flow (ACFM)	Annual Air Flow (ACF x 10 ⁶)	Regulated Pollutant	Emission Limit ⁽³⁾ (grains/ACF)	Hourly Emissions	Annual Emissions
							(lb/hr)	(tpy)
217-E	Sand Plant Deister Screen Baghouse	BH-217	37,000	19,447	PM	0.022	6.98	30.56
					PM10		3.32	14.55
					PM2.5		0.50	2.18

Emission Point ID Number	Equipment Description	Control Device ID Number	Air Flow (ACFM)	Annual Air Flow (ACF x 10 ⁶)	Regulated Pollutant	Emission Limit ⁽³⁾ (grains/ACF)	Hourly Emissions	Annual Emissions
							(lb/hr)	(tpy)
218-E	Sand Plant Air Classifier Baghouse	BH-218	4,400	2,313	PM	0.022	0.83	3.63
					PM10		0.40	1.73
					PM2.5		0.06	0.26

Civil & Environmental Consultants
11/5/2015

Checked By: DDR
Date: 8/14/15

Crushing and Screening No. 1 Mill

Emission Factors	PM (lb/ton)	PM10 (lb/ton)	Source
Primary Crushing	0.002	0.001	DAQ G40-B Emissions Worksheet
Secondary & Tertiary Crushing	0.0054	0.0024	DAQ G40-B Emissions Worksheet
Screening	0.025	0.0087	DAQ G40-B Emissions Worksheet

		Totals for Crushing and Screening			
		Uncontrolled		Controlled	
		(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
PM		73.48	75.87	14.33	14.79
PM10		26.25	27.09	5.07	5.23
PM2.5		3.89	4.02	0.76	0.79

Crusher Emissions

Crusher Identification	ID	Throughput		Control Type	Control Efficiency (%)	Uncontrolled		Controlled	
		(ton/hr)	(tons/yr)			(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
Cone Crusher	CR-043	290	731,850	FE+WS	94	0.58	0.73	See BH-50	
Cone Crusher	CR-044	460	918,000	FE+WS	94	0.92	0.92	See BH-50	
Omni Crusher 1560	CR-432	600	1,147,500	BH	99	1.20	1.15	See BH-450	
Omni Crusher 1352	CR-412	330	631,125	WS	70	1.78	1.70	0.53	0.51
				PM		4.48	4.50	0.53	0.51
				PM10		2.24	2.25	0.27	0.26
				PM2.5		0.24	0.24	0.03	0.03

Screen Emissions

Screen Identification	ID	Throughput		Control Type	Control Efficiency (%)	Uncontrolled		Controlled	
		(ton/hr)	(tons/yr)			(lb/hr)	(tons/yr)	(lb/hr)	(tons/yr)
Screen	SC-038	750	1,649,850	FE	80	18.75	20.62	3.75	4.12
Screen	SC-039	750	1,649,850	FE	80	18.75	20.62	3.75	4.12
Deister Screen	SC-404	600	1,147,500	FE	80	15.00	14.34	3.00	2.87
Telesmith Screen	SC-434	330	631,125	FE	80	8.25	7.89	1.65	1.58
Telesmith Screen	SC-435	330	631,125	FE	80	8.25	7.89	1.65	1.58
				PM		69.00	71.37	13.80	14.28
				PM10		24.01	24.84	4.80	4.97
				PM2.5		3.66	3.78	0.73	0.76

Notes:

1. PM conversion to PM10 and PM2.5:

Particle size multipliers (k) AP42 Section 13.2.4-4 (11/06):

PM	PM10	PM2.5
0.74	0.35	0.053

2. Rates/throughputs set to zero are not in the worst case material flow.

3. Control efficiencies are as follows:

Control Efficiencies		
Type		%
None	N	0
Partial enclosure	PE	50
Full enclosure	FE	80
Baghouse	BH	99
Water spray	WS	70
Minimize drop	MD	70

Table 1: Emissions Data No. 2 Mill System															
Emission Point ID No. (Must match Emission Units Table & Plot Plan)	Emission Point Type	Emission Unit Vented Through This Point (Must match Emission Units Table & Plot Plan)		Air Pollution Control Device (Must match Emission Units Table & Plot Plan)		Vent Time for Emission Unit (chemical processes only)		All Regulated Pollutants Chemical Name/CAS ³ (Speciate VOCs & HAPS)	Maximum Potential Uncontrolled Emissions ⁴		Maximum Potential Controlled Emissions ⁵		Emission Form or Phase (At exit conditions, Solid, Liquid or Gas/Vapor)	Est. Method Used ⁶	Emission Concentration ⁷ (ppmv or mg/m ³)
		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)		lb/hr	ton/yr	lb/hr	ton/yr			
TP62 to 128, noncursive	NA	TP62 to 128	Transfer Points	Various	Various	NA	NA	PM PM10 PM2.5	71.64	73.78	26.90	27.83	Solid Solid Solid	EE	NA
									34.11	35.13	12.81	13.25			
									5.12	5.27	1.92	1.99			
145-E	Vert	SC-152 SC-153 SC-154 CR-133 AS-228	Screens Crusher Air Separator	BH**	Baghouse	NA	NA	PM PM10 PM2.5	N/A	N/A	3.60	15.77	Solid Solid Solid	EE	NA
									N/A	N/A	1.71	7.51			
									N/A	N/A	0.26	1.13			

**For Baghouse 145 emissions, Subpart OOO limit of 0.014 grains/scf is applicable due to SC-152 and SC-153 being updated in 2016

Crushing and Screening - #1 Mill

ID of Emission Unit	SC-038	SC-039	CR-043	CR-044	SC-404	CR-432
Type Crusher or Screen	DD - Double-Dec	DD - Double-Dec	BM - Dall Mill	BM - Dall Mill	DD - Double-Dec	BM - Dall Mill
Material Sized	1.5" to 3"	1.5" to 3"	1.5" to 3"	1.5" to 3"	1.5"	1.5"
Material Sized Throughput:						
Tons/hr	750	750	290	460	600	600
Tons/yr	1,649,850	1,649,850	731,850	918,000	1,147,500	1,147,500
Material sized from/to	3" to 1.5"	3" to 1.5"	3" to 1.5"	3" to 1.5"	1.5" to 3/4"	1.5" to 3/4"
Typical moisture content as crushed or screened (%)	5	5	5	5	5	5
Dust control methods applied	FE - Full Enclosu	FE - Full Enclosu	WS - Water Spra	WS - Water Spra	FE - Full Enclosu	EB - Enclosed an
Stack Parameters:						
Height (ft)	N/A	N/A	17	17	N/A	15
Diameter (ft)			1.0	1.0		1.5
Volume (ACFM)			4,400	4,400		4,400
Temp (°F)			ambient	ambient		ambient
Maximum operating schedule:						
Hour/day	10	10	10	10	10	10
Day/year	255	255	255	255	255	255
Hour/year	2,550	2,550	2,550	2,550	2,550	2,550
Approximate Percentage of Operation from:						
Jan – Mar	25	25	25	25	25	25
April – June	25	25	25	25	25	25
July – Sept	25	25	25	25	25	25
Oct – Dec	25	25	25	25	25	25
Maximum Particulate Emissions:						
LB/HR	3.75	3.75	See 50-E	See 50-E	3.00	See 450-E
Ton/Year	4.12	4.12			2.87	

22. Type of Pollutant(s) to be collected (if particulate give specific type):
 Limestone dust at 70 PCF

23. Is there any SO₃ in the emission stream? No Yes SO₃ content: ppmv

24. Emission rate of pollutant (specify) into and out of collector at maximum design operating conditions:

Pollutant	IN		OUT	
	lb/hr	grains/acf	lb/hr	grains/acf
PM			3.60	0.014
PM10/PM2.5			1.71 / 0.26	

25. Complete the table:

Particulate Size Range (microns)	Particle Size Distribution at Inlet to Collector		Fraction Efficiency of Collector	
	Weight % for Size Range		Weight % for Size Range	
0 - 2				
2 - 4				
4 - 6				
6 - 8				
8 - 10				
10 - 12				
12 - 16				
16 - 20				
20 - 30				
30 - 40				
40 - 50				
50 - 60				
60 - 70				
70 - 80				
80 - 90				
90 - 100				
>100				

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)
Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 1 Mill System						
BC-8	BC-8	No. 8 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BC-9	BC-9	No. 9 Belt	Pre 1988	1,350 tph	No Change (G)	PE
SB-037	SB-037	Surge Bin	2014	1,350 tons	Replacement	FE
BC-1	BC-1	No. 1 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-2	BC-2	No. 2 Belt	Pre 1988	1,500 tph	No Change (G)	PE
SC-038	SC-038	No. 1 Screen	Pre 1988	750 tph	No Change (G)	FE
SC-039	SC-039	No. 2 Screen	Pre 1988	750 tph	No Change (G)	FE
BC-7	BC-7	No. 7 Belt	Pre 1988	750 tph	No Change (G)	N
BC-4	BC-4	No. 4 Belt	Pre 1988	750 tph	No Change (G)	N
BC-3	BC-3	No. 3 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-6	BC-6	No. 6 Belt	Pre 1988	750 tph	No Change (G)	PE
HB-042	50-E	Holding Bin	Pre 1988	750 tph	No Change (G)	FE/BH-50
CR-043	50-E	Cone Crusher No. 1	Pre 1988	290 tph	No Change (G)	WS/BH-50
CR-044	50-E	Cone Crusher No. 2	Pre 1988	460 tph	No Change (G)	WS/BH-50
BC-10	BC-10	No. 10 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-11	BC-11	No. 11 Belt	Pre 1988	750 tph	No Change (G)	PE
BC-9A	BC-9A	No. 9 Belt	Pre 1988	900 tph	Removed	N
SB-040	SB-040	Bin No. 1	Pre 1988	900 tph	Removed	PE
BC-1B	BC-1B	No. 1B Belt	Pre 1988	900 tph	Removed	N
NA	NA	Washer	Pre 1988	900 tph	Removed	N
BC-8A	BC-8A	No. 8 Belt	Pre 1988	1,350 tph	Existing not in permit	PE
S-126	S-126	Silo No. 1	Pre 1988	1,350 tph	No Change (G)	FE
BC-5	BC-5	No. 5 Belt	Pre 1988	1,350 tph	No Change (G)	PE

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)
Black-Existing; **Red-Modified or existing not in permit**; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 1 Mill System						
S-127	S-127	Silo No. 2	Pre 1988	1,350 tph	No Change (G)	FE
BC-1C	BC-1C	No. 1 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BC-2A	BC-2A	No. 2 Belt	Pre 1988	1,350 tph	No Change (G)	PE
BH-50	50-E	Dust Collector	Pre 1988	4,400 ACFM	No Change	NA
BC-1A	BC-1A	No. 1A Belt	Pre 1988	600 tph	No Change (G)	PE
SC-404	SC-404	Deister Screen	Pre 1988	600 tph	No Change (G)	FE
SB-431	SB-431	Deister Hopper	Pre 1988	600 tph	No Change (G)	FE
BC-7A	BC-7A	No. 7A Belt	Pre 1988	600 tph	No Change (G)	N
BC-4A	BC-4A	No. 4A Belt	Pre 1988	330 tph	No Change (G)	N
BC-2B	BC-2B	No. 2A Belt	Pre 1988	600 tph	No Change (G)	PE
CR-432	450-E	Omni Crusher	Pre 1988	600 tph	No Change (G)	BH-450
BC-3A	BC-3A	No. 3A Belt	Pre 1988	600 tph	No Change (G)	PE
BH-450	450-E	Dust Collector	Pre 1988	9,600 ACFM	No Change	NA

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S,... or other appropriate designation.

² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C,... or other appropriate designation.

Note: N = no control; PE = partial enclosure; FE = full enclosure; WS = water spray; BH = baghouse

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Black-Existing; Red-Modified or existing not in permit; Grey-Removed; (G) - Grandfathered

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
No. 2 Mill System						
BC-3D	BC-3D	No. 3 Belt	1988	1,350 tph	No Change	PE
BC-4C	BC-4C	No. 4 Belt	1988	1,350 tph	No Change	PE
BH-145	145-E	Dust Collector	1988	30,000 ACFM	No Change	NA
SC-152	145-E	No. 1 Screen	2016	1,350 tph	Replacement	BH-145
SC-153	145-E	No. 2 Screen	2016	1,350 tph	Replacement	BH-145
SC-154	145-E	No. 3 Screen	1988	400 tph	No Change	BH-145
BC-5B	145-E	No. 5 Belt	1988	400 tph	No Change	BH-145
BC-6B	145-E	No. 6 Belt	1988	400 tph	No Change	BH-145
BC-9B	BC-9B	No. 9 Belt	1988	400 tph	No Change	PE
SB-128	SB-128	4's Silo	1988	400 tph	No Change	FE
BC-1F	BC-1F	No. 1A Belt	1988	400 tph	No Change	PE
ST-130	ST-130	4's Thor Radial Stacker	2013	400 tph	Replacement	WS
BC-8B	145-E	No. 8 Belt	1988	400 tph	No Change	BH-145
BC-7A	BC-7A	No. 7 Belt	1988	400 tph	No Change	PE
SB-129	SB-129	57's Silo	1988	400 tph	No Change	FE
BC-1G	BC-1G	No. 1B Belt	1988	400 tph	No Change	PE
BC-2E	BC-2E	No. 2B Belt	1988	400 tph	No Change	PE
ST-131	ST-131	57's Thor Radial Stacker	2013	400 tph	Replacement	WS
BC-1H	BC-1H	No. 1D Belt	1988	400 tph	No Change	PE
BC-2D	BC-2D	No. 2 Belt	1988	550 tph	No Change	PE
ST-132	ST-132	8's Thor Radial Stacker	2013	550 tph	Replacement	PE
BC-14	BC-14	No. 14 Belt	1988	400 tph	No Change	PE
BC-1E	BC-1E	No. 1C Belt	1988	400 tph	No Change	PE
BC-10	145-E	No. 10 Belt	1988	400 tph	Existing Not in Permit	BH-145

Kessler, Joseph R

From: Kessler, Joseph R
Sent: Tuesday, January 05, 2016 10:36 AM
To: Scott Kisner (skisner@greerlime.com)
Cc: Kessler, Joseph R
Subject: R13-1303G Permit Application Review Status

**RE: Application Status: Complete
Greer Limestone Company
Masontown
Permit Application: R13-1303G
Plant ID No.: 061-00003**

Dear Mr. Kisner:

Your application for a modification permit was received by the Division of Air Quality (DAQ) on November 6, 2015 and assigned to the writer for review. Upon an initial review of the application, it was determined that an additional item needed to be addressed prior to the application being deemed complete. After receiving the required additional information, the application has been deemed complete as of the date of this e-mail. The ninety (90) day statutory time frame began on that day.

This determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit determination.

Should you have any questions, please contact me at (304) 926-0499 ext. 1219 or reply to this e-mail.

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

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UC Defaulted Accounts Search Results

Sorry, no records matching your criteria were found.

FEIN: 340737241
Business name:
Doing business as/Trading as:

Please use your browsers back button to try again.

WorkforceWV	Unemployment Compensation	Offices of the Insurance Commissioner
-----------------------------	---	---

UC Defaulted Accounts Search Results

Sorry, no records matching your criteria were found.

FEIN:

Business name: GREER INDUSTRIES, INC.

Doing business as/Trading

as:

Please use your browsers back button to try again.

WorkforceWV	Unemployment Compensation	Offices of the Insurance Commissioner
-----------------------------	---	---



GREER ENGINEERING TRANSMITTAL MEMO



8477 Veterans Memorial Highway, Masontown, WV 26542

Phone: (304) 864-5411

To:

WV Office of Air Quality
601 57th Street, SE
Charleston, WV 25304

Date:

12-14-15

Sent Via:

USPS

Attn: Joe Kessler

Greer Limestone Company- Air Permit Modification R-13

Enclosed: Legal Ad Certification of Publication

Entire Document
NON-CONFIDENTIAL

ID. No. 061-00003 Reg. 13036
Company GREER
Facility MOLCANTOWN Region _____
Initials JK

From:	Rachel Sellaro	Cell #:	304-276-2028
		Email:	rsellaro@greerindustries.com

PUBLISHER'S CERTIFICATE



vs.

STATE OF WEST VIRGINIA
COUNTY OF MONONGALIA

I Eric Wilson Advertising Director of

THE DOMINION POST, a newspaper of general circulation
published in the City of Morgantown, County and State
aforesaid, do hereby certify that the annexed

Legal Notice

010080036

December 10

Air Quality Permit Notice Notice of Application

Notice is given that Greer Industries, Inc., d.b.a. Greer Limestone Company has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Modification Permit for a Limestone Crushing/Screening Operation located on Route 7, in Masontown, in Monongalia County, West Virginia. The latitude and longitude coordinates are: 39.572486°N, 79.846977°W.

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

Particulate matter (PM): 343.27 tons per year
Particulate matter less than 10 microns (PM10): 142.16 tons per year
Particulate matter less than 2.5 microns (PM2.5): 19.68 tons per year

The estimated emissions include all point sources, haul roads, and stockpiles.

This application is intended to identify several pieces of equipment which have been replaced or added and does not involve any expansion of existing operations. 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.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 10th day of December, 2015.

By: Greer Industries
J. Robert Gwynne
Vice President/General Counsel
P.O. Box 176
Masontown, WV 26542

was published in the said THE DOMINION POST once a week

for 1 successive weeks commencing on the

10th day of Dec., 2015 and ending on the

10th day of Dec., 2015

The publisher's fee for said publication is \$70.89

Given under my hand this 10th day of

December, 2015

(SEAL)

Advertising Director of THE DOMINION POST

Subscribed and sworn to before me this 10th

day of December, 2015

Notary Public of Monongalia County, W. Va.

My commission expires on the 13th day of

December 2019



Kessler, Joseph R

From: Kessler, Joseph R
Sent: Monday, December 07, 2015 2:34 PM
To: Scott Kisner (skisner@greerlime.com)
Cc: jgarlock@cecinc.com; Kessler, Joseph R
Subject: R13-1303G Permit Application Review Status

**RE: Application Status: Incomplete
Greer Limestone Company
Masontown
Permit Application: R13-1303G
Plant ID No.: 061-00003**

Entire Document
NON-CONFIDENTIAL

Dear Mr. Kisner:

Your application for a modification to the Masontown Quarry was received by the Division of Air Quality (DAQ) on November 6, 2015 and assigned to the writer for review. Upon an initial review of the application, it has been determined that the following items need to be addressed prior to the application being deemed complete:

1. The original affidavit of publication from the required Class I Legal Advertisement has not been submitted.

Please address the above items as quickly as possible in order to facilitate review of the permit application. Should you have any questions, please contact me at (304) 926-0499 ext. 1219.

Joe Kessler, PE
Engineer
West Virginia Division of Air Quality
601-57th St., SE
Charleston, WV 25304
Phone: (304) 926-0499 x1219
Fax: (304) 926-0478
Joseph.r.kessler@wv.gov

Adkins, Sandra K

From: Adkins, Sandra K
Sent: Tuesday, November 17, 2015 12:34 PM
To: 'gwynne@greerindustries.com'; 'skisner@greerindustries.com'
Cc: McKeone, Beverly D; Kessler, Joseph R
Subject: WV DAQ Permit Application Status for Greer Limestone Company; Greer/Quarry Operation

**RE: Application Status
Greer Limestone Company
Greer/Quarry Operation
Plant ID No. 061-00003
Application No. R13-1303G**

Entire Document
NON-CONFIDENTIAL

Mr. Gwynne,

Your application for a modification permit for the Greer/Quarry Operation was received by this Division on November 6, 2015, and was assigned to Joe Kessler.

Within 30 days, you should receive a letter from Joe stating the status of the permit application and, if complete, given an estimated time frame for the agency's final action on the permit.

Any determination of completeness shall not relieve the permit applicant of the requirement to subsequently submit, in a timely manner, any additional or corrected information deemed necessary for a final permit decision.

Should you have any questions, please contact the assigned engineer, Joe Kessler, at 304-926-0499, extension 1219.