

# Class II General Permit G40-C Registration to Modify



for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation,  
Administrative Update and Operation of  
Nonmetallic Mineral Processing Plants

*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 General Permit G40-C.*

**G40-C019D**

Issued to:  
**Boxley Aggregates of West Virginia, LLC**  
Lewisburg Plant  
025-00009

A blue ink signature of William F. Durham, written in a cursive style, positioned above a horizontal line.

*William F. Durham*  
Director

*Issued: February 25, 2015*

This Class II General Permit Registration will supercede and replace G40-B019C.

Facility Location: Lewisburg, Greenbrier County, West Virginia  
Mailing Address: P.O. Box 13527, Roanoke, Virginia 24035  
Facility Description: Nonmetallic mineral processing plant  
SIC Codes: 1422  
NAICS Codes: 212312  
UTM Coordinates: 538.9 km Easting • 4192.3 km Northing • Zone 17  
Registration Type: Modification  
Description of Change: Applicant is proposing to modify a non-metallic mineral processing plant in Lewisburg, Greenbrier County, WV. A stand alone aggregate washing plant will be installed. This washing plant is being rented for (6) months primarily to enable Boxley to supply aggregates to the Bluestone dam project located in Hinton, WV. This plant resides adjacent to Boxley Concrete Products of VA, LLC (025-00009), Lewisburg Plant, Permit G50-B083.

Subject to 40CFR60 Subpart OOO? Yes  
Subject to 40CFR60 Subpart IIII? Yes  
Subject to 40CFR60 Subpart JJJJ? No

*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 or registration 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.*

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

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*Unless otherwise stated WVDEP DAQ did not determine whether the registrant is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.*

**All registered facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.**

The following sections of Class II General Permit G40-C apply to the registrant:

Section 5	Nonmetallic Mineral Processing Operations	X
Section 6	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification after August 31, 1983 but before April 22, 2008 (40CFR60 Subpart 000)	X
Section 7	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification on or after April 22, 2008. (40CFR60 Subpart 000)	X
Section 8	Reciprocating Internal Combustion Engines (R.I.C.E.)	X
Section 9	Tanks	<input type="checkbox"/>
Section 10	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	X
Section 11	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	<input type="checkbox"/>

**Emission Units**

Source ID No.	Emission Unit Description	Design Capacity		Control Device	Month/Year Constructed, Reconstructed, or Modified
		TPH	TPY x 10 <sup>6</sup>		
<b>Main Plant</b>					
MP-JC1	Primary Jaw Crusher – Telsmith	450	2.250	CS-PW2	1984
MP-HS11	Horizontal Impact Crusher – Hazemag	390	1.950	CS-FW1	*
MP-VS11	Vertical Shaft Impact Crusher – Canica	240	1.200	CS-FW2	*
MP-VS12	Vertical Shaft Impact Crusher – ISC	200	1.000	CS-FW3	*
MP-VS1	Triple Deck Screen – Conwell	600	3.000	CS-PW3	**
MP-VS2	Triple Deck Screen – Deister	615	3.075	CS-PW4	*
MP-VS3	Triple Deck Screen – Deister	615	3.075	CS-PW5	*
MP-VS4	Triple Deck Screen – Deister	450	2.250	CS-PW6	*
MP-VGF1	Single Deck Screen – Telsmith	600	3.000	CS-PW1	*
MP-H1	Truck Dump Hopper – raw material		3.000	UL-WS2	*
MP-BIN1	Transfer Bin – 100 tons -- sized material		1.200	PW7	*
MP-BIN2	Transfer Bin – 25 tons -- sized material		1.000	PW8	*
MP-BIN3	Transfer Bin – 100 tons – sized material		1.050	PW9	*
MP-BC1	Transfer Belt – raw material	600	3.000	WS6	1984
MP-BC2	MP-VS1 Feed Belt – raw material	600	3.000	WS8	1984
MP-BC3	Transfer Belt – sized material	210	1.050	WS32	1984
MP-BC4	Transfer Belt – sized material	210	1.050	WS34	1984
MP-BC5	Transfer/OS-A Feed Belt – sized material	210	1.050	WS38	1984
MP-BC5A	Transfer Belt – sized material	210	1.050	WS36	*

Source ID No.	Emission Unit Description	Design Capacity		Control Device	Month/Year Constructed, Reconstructed, or Modified
		TPH	TPY x 10 <sup>6</sup>		
MP-BC6	Transfer Belt – sized material	100	0.500	WS20	1984
MP-BC7	OS-I Feed Belt – sized material	390	1.950	WS22	1984
MP-BC8	MP-JC1 Feed Belt – raw and sized material	390	1.950	WS14	1984
MP-BC9	MP-VS1/VS2 Feed Belt – sized material	922	4.610	WS17	1984
MP-BC9A	Transfer Belt – sized material	210	1.050	WS86	*
MP-BC10	Transfer Belt – sized material	90	0.450	WS49	1984
MP-BC11	OS-D Belt – sized material	90	0.450	WS51	1984
MP-BC13	MP-VS4 Feed Belt – sized material	450	2.250	WS46	1984
MP-BC14	OS-B Feed Belt – sized material	150	0.750	WS43	1984
MP-BC15	OS-G Feed Belt – sized material	150	0.750	WS58	1984
MP-BC16	OS-H Feed Belt – sized material	150	0.750	WS61	1984
MP-BC17	MP-BIN1 Feed Belt – sized material	240	1.200	WS40	1984
MP-BC17A	MP-VS11 Feed Belt – sized material	240	1.200	WS54	*
MP-BC18	Transfer Belt – sized material	450	2.250	WS29	1984
MP-BC19	Transfer Belt – sized material	135	0.675	WS77	1984
MP-BC20	OS-E Feed Belt – sized material	135	0.675	WS79	1984
MP-BC21	Transfer Belt – sized material	200	1.000	WS72	1984
MP-BC22	OS-F Feed Belt – sized material	200	1.000	WS74	1984
MP-BC24	OS-C Feed Belt – sized material	55	0.275	WS69	1984
MP-BC25	MP-BIN2 Feed Belt – sized material	200	1.000	WS67	1984
MP-BC25A	MP-VS12 Feed Belt – sized material	200	1.000	WS82	*
<b>Wash Plant</b>					
WP-VS11	Vertical Shaft Impact Crusher – Simpco	250	1.250	CS-FW4	**
WP-VS1	Triple Deck Screen – Conwell	250	1.250	CS-PW10	**
WP-H1	Truck Dump Hopper – 50 tons – sized material		1.250	UL-WS89	*
WP-H2	Truck Dump Hopper – 50 tons – sized material		1.250	UL-WS110	0
WP-BC1	WP-VS1 Feed Belt – sized material	250	1.250	WS91	1984
WP-BC1A	Transfer Belt – sized material	250	1.250	WS112	**
WP-BC1B	Transfer Belt – sized material	250	1.250	WS115	**
WP-BC2	OS-L Feed Belt – sized material	250	1.250	WS94	1984
WP-BC2A	Transfer Belt – sized material	250	1.250	WS108	**
WP-BC3	OS-M Feed Belt	250	1.250	WS97	1984
WP-BC4	OS-N Feed Belt	175	0.875	WS100	1984
WP-SC1	Transfer Screw Conveyor – sized material	175	0.875	WS103	1984
WP-BC5	OS-O Feed Belt – sized material	175	0.875	WS105	1984
<b>Portable Wash Plant</b>					
PP-VS1	Astec Triple Deck Screen	250	0.625	PW	2015
PP-FH1	Feed Hopper	250	0.625	WS	2015
PP-BF1	Belt Feeder	250	0.625	WS	2015
PP-BC1	Belt Conveyor	250	0.625	WS	2015
PP-BC2	Belt Conveyor	150	0.375	N	2015
PP-BC3	Belt Conveyor	150	0.375	N	2015
PP-BC4	Belt Conveyor	150	0.375	N	2015
PP-BC5	Belt Conveyor	150	0.375	N	2015
PP-ENG1	Caterpillar C4.4, Diesel Engine, 2011, Tier III	127 bhp @ 2200 rpm (2500hrs/yr)		N	2015
PP-OS-A	Open Stockpile – 4,000 ft <sup>2</sup> maximum base area	2,000 tons	0.375	HR-WS1	2015
PP-OS-B	Open Stockpile – 4,000 ft <sup>2</sup> maximum base area	2,000 tons	0.375	HR-WS1	2015
PP-OS-C	Open Stockpile – 4,000 ft <sup>2</sup> maximum base area	2,000 tons	0.375	HR-WS1	2015
PP-OS-D	Open Stockpile – 4,000 ft <sup>2</sup> maximum base area	2,000 tons	0.375	HR-WS1	2015
<b>Trommel Plant</b>					
TROM-RS1	Rotary Screen – Trommel	500	2.500	TC-WS127	2011
TROM-BC1	Transfer Belt – raw material	500	2.500	WS128	2011

Source ID No.	Emission Unit Description	Design Capacity		Control Device	Month/Year Constructed, Reconstructed, or Modified
		TPH	TPY x 10 <sup>6</sup>		
<b>Open Stockpiles</b>		<b>(Tons)</b>			
OS-A	Open Stockpile – 88,722 ft <sup>2</sup> maximum base area	142,610	1.050	HR-WS1	
OS-B	Open Stockpile – 7,850 ft <sup>2</sup> maximum base area	4,500	0.750	HR-WS1	
OS-C	Open Stockpile – 7,850 ft <sup>2</sup> maximum base area	4,500	0.275	HR-WS1	
OS-D	Open Stockpile – 5,024 ft <sup>2</sup> maximum base area	2,800	0.450	HR-WS1	
OS-E	Open Stockpile – 5,024 ft <sup>2</sup> maximum base area	2,800	0.675	HR-WS1	
OS-F	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	1.000	HR-WS1	
OS-G	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	0.750	HR-WS1	
OS-H	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	0.750	HR-WS1	
OS-I	Open Stockpile -- 150 ft <sup>2</sup> maximum base area	125	0.750	HR-WS1	
OS-J	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	0.500	HR-WS1	
OS-K	Open Stockpile – 5,255 ft <sup>2</sup> maximum base area	2,000	1.950	HR-WS1	
OS-L	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	1.250	HR-WS1	
OS-M	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	1.250	HR-WS1	
OS-N	Open Stockpile – 2,826 ft <sup>2</sup> maximum base area	900	0.875	HR-WS1	
OS-O	Open Stockpile – 34,199 ft <sup>2</sup> maximum base area	39,500	0.875	HR-WS1	
OS-P	Open Stockpile – 26,910 ft <sup>2</sup> maximum base area	20,000	0.500	HR-WS1	
OS-Q	Open Stockpile – 24,466 ft <sup>2</sup> maximum base area	20,000	0.500	HR-WS1	
OS-R	Open Stockpile – 30,728 ft <sup>2</sup> maximum base area	19,000	1.950	HR-WS1	
OS-S	Open Stockpile – 65,539 ft <sup>2</sup> maximum base area	83,000	1.050	HR-WS1	
OS-T	Open Stockpile – 27,365 ft <sup>2</sup> maximum base area	22,500	0.750	HR-WS1	
OS-U	Open Stockpile – 27,294 ft <sup>2</sup> maximum base area	28,000	1.050	HR-WS1	
OS-V	Open Stockpile – 33,813 ft <sup>2</sup> maximum base area	34,000	1.000	HR-WS1	
OS-W	Open Stockpile – 18,308 ft <sup>2</sup> maximum base area	10,000	1.000	HR-WS1	
OS-X	Open Stockpile – 85,164 ft <sup>2</sup> maximum base area	130,000	1.050	HR-WS1	
OS-Y	Open Stockpile – 38,443 ft <sup>2</sup> maximum base area	41,000	0.750	HR-WS1	
OS-Z	Open Stockpile – 51,043 ft <sup>2</sup> maximum base area	51,000	0.875	HR-WS1	
OS-AA	Open Stockpile – 4,616 ft <sup>2</sup> maximum base area	1,500	0.750	HR-WS1	
OS-BB	Open Stockpile – 6,624 ft <sup>2</sup> maximum base area	2,500	1.000	HR-WS1	
OS-CC	Open Stockpile – 26,883 ft <sup>2</sup> maximum base area	17,000	0.875	HR-WS1	
OS-DD	Open Stockpile – 24,095 ft <sup>2</sup> maximum base area	17,000	1.000	HR-WS1	
OS-EE	Open Stockpile – 27,662 ft <sup>2</sup> maximum base area	26,000	0.675	HR-WS1	
OS-FF	Open Stockpile – 32,862 ft <sup>2</sup> maximum base area	32,000	0.275	HR-WS1	
OS-GG	Open Stockpile – 24,631 ft <sup>2</sup> maximum base area	22,500	1.050	HR-WS1	
OS-HH	Open Stockpile – 2,552 ft <sup>2</sup> maximum base area	1,000	1.250	HR-WS1	
OS-II	Open Stockpile – 2,552 ft <sup>2</sup> maximum base area	1,000	0.625	HR-WS1	
OS-JJ	Open Stockpile – 2,552 ft <sup>2</sup> maximum base area	1,000	0.625	HR-WS1	
OS-KK	Open Stockpile – 2,552 ft <sup>2</sup> maximum base area	1,000	0.625	HR-WS1	

\* denotes installation or modification date of later than 1983 but earlier than April 22, 2008 (exact date unknown)

\*\* denotes installation or modification date of later than April 22, 2008 (exact date unknown)

**Control Devices (Not Applicable)**

Control Device ID	Source ID No.	Emission Unit Description	Month/Year Constructed, Reconstructed, or Modified

**Reciprocating Internal Combustion Engines**

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity (Bhp/rpm)
PP-ENG1	Caterpillar C4.4, Diesel Engine, 2011, Tier III	2015	127/2200

**Reciprocating Internal Combustion Engines (R.I.C.E.) Information**

Emission Unit ID	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 8.1.4/8.2.1 (Catalytic Reduction Device)
PP-ENG1	Yes		

**Emission Limitations**

Emission Source	Maximum Controlled PM Emissions		Maximum Controlled PM <sub>10</sub> Emissions	
	pounds / hour	tons / year	pounds / hour	tons / year
<b>FUGITIVE EMISSIONS</b>				
Stockpiles	0.74	3.18	0.33	1.50
Unpaved Haulroads	193.50	419.35	57.11	123.78
<b>Total Fugitive Emissions</b>	194.24	422.53	57.44	125.28
<b>POINT SOURCE EMISSIONS</b>				
Equipment Emissions	17.75	44.28	6.32	15.70
Transfer Point Emissions	50.07	123.29	23.11	56.88
<b>Total Point Source Emissions</b>	67.82	167.57	29.43	72.58
<b>TOTAL FACILITY EMISSIONS</b>				
<b>Total Facility Emissions</b>	262.06	590.10	86.87	197.86

**Engines**

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
PP-ENG1	Caterpillar C4.4, Diesel Engine, 2011, Tier III	Nitrogen Oxides	0.77	0.96
		Carbon Monoxide	1.05	1.32
		Volatile Organic Compounds	0.84	1.05
		Formaldehyde	N/A	N/A