

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: BWI MTN II Inc. dba Blue Water Industries-BWI Murfreesboro Quarry File Number: 75-0022 EPS Initials: YA/TWK

Permit Number(s): 081811 Source Point Number(s): 01

Application Received (date): September 27, 2023 Application Complete (date): September 27, 2023

Air Quality Analysis Performed? Yes No

Briefly describe the project:(new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This facility is an existing True Minor Source (Fugitive PM Emissions). This permit (081811) is for construction / operating of a new 1200 ton per hour crusher, and addition of several conveyors. Initially, the permittee had applied for an Operational Flexibility, but that request was denied by the staff and requested for a set of new construction application which the permittee submitted on September 27, 2023. Note that the New Primary Vibrating Primary Vibrating Grizzly Feeder - 1200 ton per hour 2024 NSPS will replaces Vibrating Primary Vibrating Grizzly Feeder - 1968 - non-NSPS Primary Crusher (ID# PCR1), conveyor (ID# C1), Surge silo, feeder (ID# F1) and conveyor (ID# C2) are being removed / replaced.

Wet Suppression System would be used for pollution control. There would be physical construction. Regulated air contaminants would be emitted by this source. This facility is subject to the requirements of 40 CFR 60, Subpart OOO (Standards of Performance for Non-metallic Mineral Processing Plants. A VEE evaluation for the new equipment is required. Information regarding this source can be found in the Division of Air Pollution Control Dataviewer link which can be found at the bottom of the Division of Air Pollution Control webpage. The “public notice” has been placed on the Department Web on October 5, 2023.

Rules Analysis

Title V Cond. Major Minor Source category listed in 1200-03-09-.01(4)(b)1.(i)? Yes No

Reason for PSD: New source above ____ TPY Sig. increase in ____ emissions N/A
 Applicable NSPS: Subpart OOO State Rule 1200-03-16- 53 N/A

Applicable NESHAP: 40 CFR Part 61, Subpart ____ State Rule 1200-03-11- ____ N/A

Applicable NESHAP: 40 CFR Part 63, Subpart ____ State Rule 1200-03-31- ____ N/A

Other Applicable State Rules

PM Emissions*: 1200-03- 07 - .03(1) <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	NO _x Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
SO ₂ Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input type="checkbox"/>	Lead Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
CO Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
VOC Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input type="checkbox"/>	____ Emissions: 1200-03- ____ <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

BWI MTN II Inc. dba Blue Water Industries-BWI Murfreesboro Quarry

Emission Summary for Source 75-0022

Permit Number: 081811

Source Status: New Modification Expansion Relocation **Permit Status:** New Renewal

PSD NSPS NESHAPs **Previous Permit Number:** Construction N/A Operating 077073

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard Tenn. Comp. R. & Regs 1200-03- 07-.03(1)
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
PM Fugitive	9.61	-----	53.82	8.01	----	44.86**	N/A	10/6/2023	3	
Opacity limits										
NSPS Conveyors, Screens, and Bins (ID# PC1 – PC5, SB1, C2, C9, C16 – C23, S1, S2, S3, H1 and H2 shall not exceed 10% (before April 22, 2008) or 7% (on or after April 22, 2008))			(7%) or (10%) EPA Method 9 (6- Minute Average)				40 CFR Part 60 Subpart OOO			
Primary Vibrating Grizzly Feeder (ID# VGF F1), Primary Crusher (ID# PCR1), Secondary Crusher (ID# CR1), and Secondary Crusher (ID# CR2 shall not exceed 15% (before April 22, 2008) or 12% (on or after April 22, 2008))			(12%) or (15%) EPA Method 9 (6- Minute Average)							
Fugitive Dust			Not to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates							
Visible emissions from roads and parking areas			(10%) opacity				1200-03-08-.03			
Not covered by the above listed equipment			(20%) EPA Method 9 (6- Minute Average)				1200-03-05-.03(6) and 1200-03-05-.01(1)			

* Source of data: The permittee's Construction Permit Application dated September 27, 2023.

** Maximum Production per year = 2,000,000 tons / yr / 1200 tons/hr = 1,667 hours/year

Permit writer: YA/TWK DATE: February 15, 2024