

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Barton Malow Company – dba Ultium Cells / Nightsky File Number: 60-0361 EPS Initials: YA

Permit Number(s): 079446 Source Point Number(s): 01, 02, and 03

Application Received (date): 10/1/2021 Application Complete (date): 10/11/2021

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 a True Minor Source. There are three independent rock crushing, screening and conveying operations (Sources 01, 02, and 03). The permittee seeks to obtain an air contaminant permit (Division identification number: (60-0361 and 079446) for the construction / operating of the following listed NSPS operations:

Source 01: Portable J50 Jaw Crusher #1 with Onboard 350 HP Diesel-Fired Engine, Portable R230 Screen #1 with Onboard 225 HP Diesel-Fired Engine, Portable I44 Impact Crusher #1 with Onboard 360 HP Diesel-Fired Engine, Portable 80ST Stacker #1 with Onboard 74 HP Diesel-Fired Engine, Portable 80ST Stacker #2 with Onboard 74 HP Diesel-Fired Engine, and Portable 80ST Stacker #3 with Onboard 74 HP Diesel-Fired Engine. Wet Suppression Control.

Source 02: Portable J45 Jaw Crusher #2 with Onboard 350 HP Diesel-Fired Engine, Portable R155 Screen #2 with Onboard 127 HP Diesel-Fired Engine, Portable I44 Impact Crusher #2 with Onboard 360 HP Diesel-Fired Engine, Portable 80ST Stacker #4 with 74 HP Diesel-Fired Engine, Portable 80ST Stacker #5 with Onboard 74 HP Diesel-Fired Engine, and Portable 80ST Stacker #6 with Onboard 74 HP Diesel-Fired Engine. Wet Suppression Control.

Source 03: Portable R230 Screen #3 - Clay Scalper with Onboard 225 HP Diesel-Fired Engine, and Portable 100ST Stacker #7 with Onboard 74 HP Diesel Fired Engine. Wet Suppression Control.

All the Portable Crushers and Screen units are self-propelled, and the engines that power the units serve a dual purpose by both propelling itself and powering the operation of the units. The engines are an integral part of the mobile units and meet the definition of “non-road engine” in accordance with 40 CFR Part 1068, Subpart A, Applicability and Miscellaneous Provisions under General Compliance Provisions for Highway, Stationary, and Non-road Engines.

These sources are subject to federal regulations under the Standards of Performance (NSPS) for Nonmetallic Minerals Plants, 40 CFR Part 60, Subpart OOO. Visible emission evaluation tests would be conducted to assure compliance with the applicable NSPS air quality standards. 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 20, 2021. There were no comments from the Citizens during the comments period. The EFO had a few questions in regard to the formatting. The permittee had no comments. Therefore, on November 24, 2021, Construction / Operating permit No, 079446 was issued to this facility.

RULES ANALYSIS

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

Reason for PSD:	New source above ____ TPY	<input type="checkbox"/>	Sig. increase in __*__ emissions	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart <u>OOO</u>	<input checked="" type="checkbox"/>	State Rule 1200-03-16-. *	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 60, Subpart <u>*</u>	<input type="checkbox"/>	State Rule 1200-03-11-. *	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 63, Subpart <u>*</u>	<input type="checkbox"/>	State Rule 1200-03-31-. *	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Other Applicable State Rules

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

Visible Emissions from	<u>Source</u>	not to exceed	<u>20</u>	% opacity per Method	<u>9</u>	Rule 1200-03-	<u>05</u>	-.	<u>01(1)</u>
Visible Emissions from	<u>Roads/Parking</u>	not to exceed	<u>10</u>	% opacity per Method	<u>1</u>	Rule 1200-03-	<u>08</u>	-.	<u>.03</u>
Visible Emissions from	<u>Screens/Conveyors</u>	not to exceed	<u>7</u>	% opacity per Method	<u>9</u>	NSPS Subpart	<u>OOO</u>		
Visible Emissions from	<u>Crushers</u>	not to exceed	<u>12</u>	% opacity per Method	<u>9</u>	NSPS Subpart	<u>OOO</u>		

Comments: _____

Barton Malow Company – dba Ultium Cells / Nightsky

Emission Summary

Source Number: 60-0361-01, 02,
03

Permit Number: 079446

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐ Permit Status: New ☒ Renewal ☐PSD ☐ NSPS ☒ NESHAP ☐ Previous Permit Number: Construction _____ Operating _____

PM Fugitive	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard TAPCR 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
Source 01	5.44	5.44	45.14	23.81	23.81	33.85**	N/A	11/1/2021	3	07-.03(1)
Source 02	5.44	5.44	45.14	23.81	23.81	33.85**	N/A	11/1/2021	3	07-.03(1)
Source 03	1.76	1.76	45.14	7.7	7.7	33.85**	N/A	11/1/2021	3	07-.03(1)
Opacity limits										
NSPS Portable Crushers			12% Opacity EPA Method 9 (6- Minute Average)							
NSPS Portable Screens and Conveyors			7% Opacity EPA Method 9 (6- Minute Average)							
Fugitive Dust			Not to exceed five minutes per hour or twenty 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% Percent Opacity							
Not covered by the above listed equipment			20% Opacity EPA Method 9 (6- Minute Average)							

* Source of data: The permittee's application dated September 28, 2021, with additional information dated October 6, 2021, and October 11, 2021.

**Construction permit application stated the yearly Production rate limit is 600,000 tons per year, each source

PERMITTING PROGRAM: YA DATE: 11/24/2021