

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Off-site Inspection

N733768611

FACILITY: PAYNE & DOLAN INC PC3 CRUSHER		SRN / ID: N7337
LOCATION: PC3 PORTABLE CRUSHING PLANT #280-98, GLADSTONE		DISTRICT: Marquette
CITY: GLADSTONE		COUNTY: DELTA
CONTACT: JAMES MERTES , ENVIRONMENTAL MANAGER		ACTIVITY DATE: 07/11/2023
STAFF: Michael Conklin	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted inspection for FY 23. Facility is currently not operating in Michigan.		
RESOLVED COMPLAINTS:		

Facility: Payne & Dolan Inc. PC3 (N7337)

Location: Wisconsin

Contact: Zach Leitner, Environmental Coordinator, 262-468-1573

Regulatory Authority

Under the Authority of Section 5526 of Part 55 of NREPA, the Department of Environment, Great Lakes, and Energy may upon the presentation of their card, and stating the authority and purpose of the investigation, enter and inspect any property at reasonable times for the purpose of investigating either an actual or suspected source of air pollution or ascertaining compliance or noncompliance with NREPA, Rules promulgated thereunder, and the federal Clean Air Act.

Facility Description

Payne & Dolan, Inc. (P&D) is an asphalt producer and pavement contractor based out of Waukesha, WI. P&D is one of several companies that make up the Walbec Group, a collection of companies that provides construction and engineering services. The company owns and operates several portable and stationary asphalt plants, along with non-metallic crushing plants in Wisconsin and Michigan. P&D PC4 is a portable non-metallic crushing plant that operates under General Permit to Install (PTI) No. 119-08.

Process Description

The crushing plant produces smaller size aggregate from larger size rock. The final product can be used for a variety of applications from infrastructure projects to residential landscape purposes. The crushing plant consists of loaders, haul trucks, generators, crushers, screens, conveyors, and stockpiles. The plant is located within a quarry. The process begins with large size rocks being fed into the primary jaw crusher via loader, producing an initial size product. From the primary crusher, the product is conveyed into a screen plant that separates the crushed aggregate into various sized products. Smaller size material is filtered out and leaves on separate conveyors to stockpiles, while larger size material continues into the secondary crusher. The secondary crusher breaks the aggregate down into smaller sizes before it enters the screen plant again or continues

down the line to the tertiary screen and crusher. From the tertiary screen and crusher, the material is conveyed to stockpiles.

Emissions

Stone quarrying and processing operations can cause point and fugitive emissions of PM, PM₁₀, and PM_{2.5}. Emissions from process operations should be considered fugitive unless the source of emissions is vented through an air pollution control device or contained and emitted through a force-air vent or stack. Fugitive sources of emissions are generated from machine movement and wind erosion. Emission sources can include hauling, crushing, screening, and transferring of material. The primary factors affecting PM emissions are wind and the moisture content of the material. Moisture on the surface of the material can cause fine particles to adhere resulting in a dust suppression effect.

Emissions Reporting

The facility is subject to the federal New Source Performance Standards (NSPS) Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants and reports its annual emissions to Michigan Air Emissions Reporting System (MAERS). For 2022, the facility reported no operation and activity in Michigan.

Compliance History

The facility has not received any violation notices in the past five years. This facility has not been previously inspected.

Regulatory Analysis

P&D PC3 is currently subject to General PTI No. 119-08 for a portable nonmetallic crushing plant. The facility is considered a minor source because the potential-to-emit (PTE) of all regulated air pollutants is less than the major source thresholds. The facility is also considered an area source because the PTE of individual HAPs is less than 9 tpy and the PTE of aggregate HAP emissions is less than 25 tpy. The facility is subject to NSPS Subpart OOO by having a portable crushing plant with a crushing capacity of greater than 150 tons/hr and equipment that has been constructed after August 31, 1983.

Inspection

An email was sent to Payne & Dolan requesting the status of PC3 on 7/11/23. The company responded on 7/11/23 stating there are no plans for PC3 to operate in Michigan for 2023. The company also stated all NSPS subject equipment has been VE tested and records of testing are

retained. Payne & Dolan uses various pieces of equipment that is shared amongst other plants and covered under separate permits. A list of equipment that is covered under Portable Crusher #3, Portable Crusher #4, Portable Crusher #5, Portable Crusher #7, and Portable Crusher #12/14 is listed in the file for PTI No. 119-08.

Compliance

Based on this off-site inspection, it appears P&D PC3 is in compliance with General PTI No. 119-08 and all other applicable Michigan Air Pollution Control Rules and federal regulations.

NAME *Michael Kaplan*

DATE 8/16/23

SUPERVISOR *Michael Kaplan*