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

P140272981		
FACILITY: THE OLEN COMPANY		SRN / ID: P1402
LOCATION: SOO LOCKS ISLAND, SAULT S MARIE		DISTRICT: Marquette
CITY: SAULT S MARIE		COUNTY: CHIPPEWA
CONTACT: Charles Mull , Environmental Director		ACTIVITY DATE: 07/23/2024
STAFF: Drew Yesmunt	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted Inspections FY24		
RESOLVED COMPLAINTS:		

Facility: The Olen Corporation (SRN: P1402)

Location: Soo Locks Island, Sault Sainte Marie, Chippewa County, MI

Contact(s): Chuck Mull, Environmental Director; Eric Cothern, Site Contact; Tanner Voiers, Records

Regulatory Authority

B440070004

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

The Soo Locks Project is a construction project headed by the U.S. Army Corps of Engineers (USACE) that aims to replace the decommissioned Davis and Sabin Locks with one larger lock. The new lock will be able to accommodate larger cargo ships passing through the St. Marys River. In 2022, Kokosing Alberici Traylor (KAT), a joint venture between Kokosing, Alberici Constructors, and Traylor Bros, was contracted by USACE to complete the third and final phase of the project, part of which includes the demolition of the existing Sabin Lock.

The Olen Corporation is a sand, gravel, and limestone company and subsidiary of Kokosing, Inc. located in Columbus, OH. As part of the Soo Locks Project, the company operates a crushing plant on the Soo Locks Island. The facility conducts its crushing operation under PTI No. 112-23.

Process Description

A crushing plant produces smaller size aggregate from larger size rock. A crushing plant may consist of loaders, haul trucks, generators, crushers, screens, conveyors, and stockpiles. The plant

is normally located within a quarry and crushes stone generated from blasting. The final product may be used for a variety of applications, including infrastructure projects and landscaping.

The process begins with raw material being fed into a primary 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 material is filtered out and leaves on separate conveyors to stockpiles, while larger material is transported to a secondary crusher. The secondary crusher will break the aggregate down to a smaller size aggregate before it enters the screen plant again or continues to a tertiary screen and crusher. A crushing plant may have several crushers, screens, and conveyors depending on how many sizes of aggregate are to be produced.

Emissions

Non-metallic mineral crushing can cause point and fugitive emissions of PM, PM10, and PM2.5. Emissions from process operations are 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 is required to report annual emissions to MiEnviro each year, starting with the 2024 Emissions Report.

Compliance History

The facility has not received a violation notice in the past five years. The facility has not been previously inspected.

Inspection

On July 23, 2024, AQD staff (Drew Yesmunt and Michael Conklin) conducted a targeted inspection of The Olen Corporation in Sault Sainte Marie, MI. AQD staff arrived at the facility and met with the site contact, Eric Cothern. It was explained that the purpose of the inspection was to ensure compliance with PTI No. 112-23 and all other applicable air pollution control rules and federal regulations. A tour of the facility was then provided.

AQD staff observed that all permitted equipment was present onsite. The facility operates one Lippmann Jaw Crusher (F001). It was observed that the crusher was not properly labelled with the device ID as required by Special Condition 1.11. AQD staff explained to the facility that this was an area of non-compliance and that the equipment labels need to present to maintain compliance. The facility responded stating that stencils will be brought onsite, and the equipment will be labelled as soon as possible.

During the inspection, the facility appeared to be following all requirements of its fugitive dust plan. No visible emissions were observed while onsite. The plant yard was well saturated, and water sprays were observed on all necessary equipment. The facility stated that water is applied to the yard continuously during all hours of operation.

During records review, it was shown that the facility processed approximately 120,000 tons of material in 2024 to date, under the facility's limit of 2,000,000 tons per year. The facility also provided a photo showing that the Lippmann Jaw Crusher had been properly labelled after the time of inspection. It was noted by AQD staff that a record of Method 9 visible emissions testing for the crusher was also available and held on file.

Compliance

Based on this inspection and the records reviewed, The Olen Corporation appears to be in compliance with PTI No. 112-23 and all other applicable air pollution control rules and federal regulations. It was conveyed to the facility that the failure to label equipment was an area of non -compliance, but records review indicated that the issue was quickly resolved.



The facility's Lippmann Jaw Crusher (F001)

rew Jerman X NAME

DATE 8-26-2024

SUPERVISOR Millar