

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

P121960930

FACILITY: Bolle Contracting		SRN / ID: P1219
LOCATION: 14304 George Street, NEWBERRY		DISTRICT: Marquette
CITY: NEWBERRY		COUNTY: LUCE
CONTACT: Carter Noch , Supervisor		ACTIVITY DATE: 11/09/2021
STAFF: Joe Scanlan	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS:
SUBJECT: Unannounced inspection to determine compliance with PTI# 52-21		
RESOLVED COMPLAINTS:		

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

Bolle Contracting provides excavation, demolition, and asbestos abatement services. SRN P1219 is a rented portable non-metallic crushing plant and is permitted under PTI# 52-21. This crushing plant consists of an Eagle Ultramax 1200-CC and two Eagle conveyors. Eagle Ultramax 1200 crushing units are capable of crushing up to 300 tons per hour.

Bolle Contracting has been contracted by the State of Michigan to perform demolition of the former Newberry State Hospital in Newberry, Luce County. Crushing of concrete demolition waste will take place on site; aggregate will be used for local road projects. The former Newberry State Hospital is owned by the Michigan Department of Corrections (MDOC) and shares a campus with the Newberry Correctional Facility, an active medium security state prison for men.

PROCESS DESCRIPTION

A 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. A crushing plant can consist of loaders, haul trucks, generators, crushers, screens, conveyors, and stockpiles. The plant is normally located within a quarry, crushing stone that was generated from blasting. The process begins with large size rocks being fed into the primary crusher via loader, producing an initial size product. From the primary crusher, the product can be 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. A secondary crusher will break the aggregate down into smaller sizes before it enters the screen plant again or continues down the line 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

Stone crushing and processing operations can cause point and fugitive emissions of PM, PM10, and PM2.5. Emissions from process operations should be considered fugitive unless the source of emissions is vented 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 moisture content of the material. Spray bars on crushers and screens, along with the use of dust suppressants on roadways reduces fugitive dust emissions from activity by 60% to 85%. Moisture on the surface of the material can cause fine particles to adhere resulting in a dust suppression effect

EMISSIONS REPORTING

The PTI was issued a few months prior to this inspection; facility will be required to report 2021 emissions to MAERS during the next reporting cycle.

This portable non-metallic crushing plant uses water spray bars on crushers/screens and water trucks in the general work area and on haul roads to suppress fugitive dust emissions. All PM10 emissions should be calculated using a control efficiency of 80%.

COMPLIANCE HISTORY

There is no history of inspections performed at this facility and no violation notices have been issued.

REGULATORY ANALYSIS

P1219 is a portable non-metallic crushing plant permitted under a general PTI# 52-21 with a single Flexible Group FGCRUSHING.

New or additional equipment that is subject to the federal NSPS Subpart OOO, which has not been previously tested, shall comply with the testing requirements of the NSPS.

Equipment permitted under PTI# 52-21 includes:

EQUIPMENT ID	YEAR/MAKE/MODEL	NSPS SUBPART OOO TEST
None assigned	2017 Eagle 1200	No test documented

INSPECTION

EGLE AQD staff is required to complete LEIN clearance and notify MDOC staff prior to arriving to an active State of Michigan correctional facility. I arrived at the prison campus the afternoon of 11/09/2021 with pre-approval from MDOC Newberry Correctional Facility administration.

I made contact with Bolle Contracting site supervisor Mr. Carter Noch upon arriving at the former hospital. The Eagle 1200-CC crusher was on site but not in operation at the time of my arrival and was being prepped to move a few hundred feet across the campus later that day. Two Eagle conveyors of unknown length were accompanying the primary crusher; these were not included

in the PTI application form. The Eagle 1200-CC crusher and two Eagle conveyors had no equipment identification numbers; no company equipment identification numbers were specified in the application form. These are violations of SC 1.11 & SC 1.12.

Mr. Noch was the operator of the crushing facility; he was not familiar with the requirements of PTI# 52-21. The Eagle 1200-CC is subject to the NSPS OOO● because it has a potential processing capacity of 300 tons per hour. The facility was permitted 8/10/2021; NSPS testing is required by 2/06/2022.

P1219 was originally permitted to be located at a concrete storage yard a few miles away on the west side of the Village of Newberry. P1219 was relocated to the Newberry State Hospital site from the concrete storage yard, however no relocation notice was submitted to EGLE when the crushing facility was moved. This is a violation of SC 1.13(b).

SUMMARY

The company is not in compliance with SC 1.11, 1.12, and 1.13(b). The company needs to correct the violations to be in compliance with PTI# 52-21.

^{ELL}
NAME Joe Scanlan

DATE 12/3/21

SUPERVISOR ELL