

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N543649136

FACILITY: AGGREGATE INDUSTRIES - CHELSEA PLANT		SRN / ID: N5436
LOCATION: 4950 LOVELAND RD, GRASS LAKE		DISTRICT: Jackson
CITY: GRASS LAKE		COUNTY: JACKSON
CONTACT: Todd Yetzke, Plant Manager		ACTIVITY DATE: 05/16/2019
STAFF: Joe Forth	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: On-site Inspection		
RESOLVED COMPLAINTS:		

On May 16th, 2019, I, AQD staff Joseph Forth, conducted a scheduled inspection of Aggregate Industries- Chelsea Plant, SRN N5436, located at 4950 Loveland Rd, Grass Lake, Michigan. The purpose of this inspection was to determine the facility's compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; and the conditions of Air Use Permit to Install No. 37-01.

I arrived at the location at 1:30 pm. I was met by Beth Shafer and Todd Yetzke, Plant Manager. Ms. Shafer provided me with production records for the Chelsea plant (Attached). Mr. Yetzke then took me on a tour of the facility, showing me the various crushers, conveyors and general process areas. I did not see any significant visible emissions from anywhere in the facility.

Emission Limits 1.1 – The particulate matter (PM) emissions from each baghouse dust collector portion of FGCRUSHING shall not exceed 0.04 pound per 1,000 pounds of exhaust gases, calculated on a dry gas basis.

This operation does not use a baghouse for particulate control; they use water suppression for dust control and material processing. This facility is called a wash plant because all of the material they handle is washed with water.

Visible Emissions Limits- 1.2 Visible emissions from FGCRUSHING shall not exceed the limits specified in the permit.

During my time at the facility I did not see any significant visible emissions from any of the processes. Brief moments on the driving areas of the facility, but the dust dissipated within seconds of the trucks passing.

Material Usage Limits- 1.3 The permittee shall not process more than 2,000,000 tons of any non-metallic mineral through FGCRUSHING per year per site.

At the Chelsea location, the facility processed approximately 600,000 tons of aggregate in 2016, 2017, and 2018. The facility did not have amounts for this year yet as they compile their data yearly for MAERS.

1.4 The annual production limit of 2,000,000 tons per year per site shall not apply if FGCRUSHING is operated at a location that is covered by a site specific air use permit. At such a location, the annual material processed shall be in conjunction with the production limit contained in the permit for that location. All other conditions and restrictions of this permit shall apply when operating at such location.

The location has a general permit; therefore, this condition does not apply.

1.5 The permit shall not crush any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standard for Hazardous Air Pollutants regulations, in FGCRUSHING.

The facility does not crush any asbestos containing materials. All materials crushed are collected from the quarry the facility is located.

Process/Operational Limits- 1.6 The permittee shall not operate FGCRUSHING unless the program for continuous fugitive emissions control for all facility roadways, the facility yard, all storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained.

The driveway, plant yard and piles appeared to be properly controlled at the time of my inspection. Mr. Yetzke said that they water twice per day when the weather is dry. The facility appeared to be following the fugitive dust plan specified in Appendix A of the general permit.

Equipment- 1.7 Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may be installed in lieu of water spray for any particular piece of equipment. The control equipment shall be properly operated as necessary to comply with all emission limits.

Todd showed me the water spray hoses attached to the crushers and conveyors.

Testing- 1.8 Within 60 days after achieving maximum production rate, but not later than 180 days after initial startup

of FGCRUSHING, verification of visible emission rates and particulate emission rates from all NSPS subject crushers, screens, all transfer points on conveyors, and all other miscellaneous equipment associated with FGCRUSHING and covered by the NSPS Subpart OOO, by testing at owner's expense, in accordance with 40 CFR Part 60 Subparts A and OOO, will be required.

This equipment at this facility is subject to NSPS because the capacity is greater than 25 tons per hour for this fixed sand and gravel plants. Initial startup testing was performed and the visible and particulate emission rates were confirmed. Although the equipment is portable, it has not relocated since commencement of operation. The facility has no plans to relocate in the near future. A wash plant would not have visible emissions due to the water use throughout the process.

Monitoring- 1.9 The permittee shall keep, in a satisfactory manner, daily and annual records of the amount of material processed for each site at which the facility operates. All records shall be kept on file for a period of at least five years and made available to the Department upon request.

The facility tracks daily and yearly totals for the amount of material processed for each site. (Attached)

Recordkeeping/Reporting/Notification- 1.10 The permittee shall notify the AQD, within 15 days after initial startup of FGCRUSHING, of the actual date of initial startup.

The facility has complied with this requirement. A letter dated May 10, 2000 was sent notifying this office of the initial startup.

Permit Dates-1.11 The permittee shall label all equipment associated FGCRUSHING within 45 days of initial start up according to the company IDs specified in the application (Form EQP5756). Labels shall be in a conspicuous location on the equipment.

The facility has labels on existing equipment.

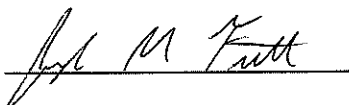
Miscellaneous/Allowed Modification- 1.12 The facility is aware of keeping the permit up to date based upon changes in equipment. There have been no new process equipment added to the Chelsea location in the time since the last AQD inspection.

1.13 The equipment at this location has not been relocated to date.

I left at approximately 2:30 p.m.

The facility appears to be in compliance with the requirements of the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; and the conditions of Air Use Permit to Install No. 37-01.

NAME



DATE

10-3-19

SUPERVISOR

