

M4705
MAWILK

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

M470528496

FACILITY: FREEPORT AGGREGATE		SRN / ID: M4705
LOCATION: 20225 PENNSYLVANIA ROAD, BROWNSTOWN		DISTRICT: Detroit
CITY: BROWNSTOWN		COUNTY: WAYNE
CONTACT: Donald Truskowski, Owner		ACTIVITY DATE: 01/15/2015
STAFF: Usama Amer	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted Inspection of a Minor Source		
RESOLVED COMPLAINTS:		

On January 15, 2015, I conducted a targeted inspection at Freeport Aggregate, Inc. (source), located at 20225 Pennsylvania Road in Brownstown Twp., Michigan. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451; the Michigan Department of Environmental Quality, Air Quality Division Rules (MDEQ-AQD), and the conditions of General PTI No. 159-13 and C-9620. Mr. Donald Truskowski, Owner, represented the source during the inspection.

BACKGROUND & INSPECTION FINDINGS

- The source is open from 8:00 AM until 4:30 PM Monday through Friday and that 2 people are employed at the location.
- A portable crusher and associated equipment, purchased in 2012, is used to crush recycled concrete. These equipment are located on the lot of Best Concrete & Supply, Inc. The lot is located adjacent to the source, at 17200 Dix Road, Brownstown Twp. Once recycled concrete is processed, the final product is sold as an aggregate to local building and road contractors.
- The recycled concrete crushing operations commenced in the spring of 2013.
- The source's recycled concrete crushing was not taking place at the time of the inspection. Thus, visible emissions from the source could not be evaluated.
- Normally, once the recycled concrete arrives at the location from road construction projects, it is stored in piles before processing in the crusher.
- The source's final product is used as a sub-base for wet concrete paving.
- To control dust from the crusher, water is applied at the concrete feeder, on the conveyor between the crusher and the screen, and at the beginning of the aggregate stacker. No baghouse is installed for the crusher.
- Water is applied to the plant yard and roadways when necessary.
- On October 4, 2013, the source was issued a Violation Notice (VN) for installing and operating a non-metallic mineral processing facility without a PTI. The VN was resolved, on October 22, 2013, through source's letter and PTI application.
- On November 21, 2013, the source was issued General PTI No. 159-13 for the installation and operation of a nonmetallic mineral crushing facility.
- Based on the claim, by the source, that the crusher had a rated capacity of less than 150 tons per hour, PTI No. 159-13 determined that the source's crusher was not subject to the provisions of the NSPS, Subpart OOO. Attachment A is signed letter, by the source's owner, indicating that the crusher's concrete crushing rate was between 600 to 750 tons per 8 hours; i.e., a maximum of 93.75 tons per hour.
- Attachment B summarized the source's monthly concrete production amounts based on sales records. The maximum production rate of 4,062.5 tons per month was reported for May, 2014. Adding May's share from the existing crushed concrete pile of 666.7 tons will yield a monthly rate of 4,729.2 tons. This total will result in a maximum hourly concrete crushing rate of 29.6 tons per hour.

- The source was issued Permit No. C-9620, by the Air Pollution Control of Wayne County Department of the Environment, for the installation and operation of a 150,000 BTU/Hr used oil-fired furnace. Currently, this furnace is exempt from the provisions of R201 pursuant to the provisions of R282(b)(iv). This Permit can be voided.

CONCLUSION

The source appears to operate the recycled concrete crushing operations in compliance with the above rules and regulations. Permit No. C-9620, by the Air Pollution Control of Wayne County Department of the Environment, shall be voided.

NAME Sam Amer

DATE 3/3/15

SUPERVISOR JK