

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

N699741565

FACILITY: GLACIAL SAND & GRAVEL		SRN / ID: N6997
LOCATION: 1660 E CHICAGO RD (US12), JONESVILLE		DISTRICT: Jackson
CITY: JONESVILLE		COUNTY: HILLSDALE
CONTACT:		ACTIVITY DATE: 09/20/2017
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced scheduled inspection		
RESOLVED COMPLAINTS:		

Contact Person: Mr. Jim Scheub, Environmental Compliance Manager
 Email: jscheub@gerkenpaving.com
 Company Phone Number: 517-533-7701

Zack Durham and I arrived at the facility for an unannounced inspection of Glacial Sand & Gravel. We introduced ourselves and stated the purpose of the visit to Mr. Mike Maggart, Plant Foreman. Equipment associated with the crushing operation includes the following: 1 portable jaw crusher, 1 roller cone crusher; 1 secondary vertical impact crusher; 4 screens; 25 conveyors; and a water truck.

Glacial Sand & Gravel's crushing plant processes native sand and gravel dredged from a lake within the gravel pit using a clam bucket dredger at this location. The finished product is sold to building contractors, road contractors, asphalt plants, and concrete plants. Crushing wasn't taking place at the time of the inspection.

Glacial Sand & Gravel's crushing plant is not equipped with a baghouse. Therefore, Special Condition (SC) 1.1 of its PTI is not applicable to the plant's operation. Fugitive dust from the plant's operation is controlled by applying water to the material at the plant's 3 screens. Water is supplied from the lake at the location. I observed no visible emission from the crushers, screens, conveyors, and transfer points during which is in compliance with opacity limits in SC 1.2. The plant's 2016 MAERS report indicates that 99,568 tons of material was processed by the plant during the 2016 calendar year. This is well below the 2,000,000 ton per year processing limit established in SC 1.3. They do not crush any asbestos tailing or asbestos containing waste material as required in SC 1.5. A minimal amount of fugitive dust was observed to have been produced from vehicle traffic on the plant's roadways and yard. The plant is abiding by the Fugitive Dust Control Plan in Appendix A of its PTI. Specifically, the following measures are being taken by the plant to control fugitive dust: the drop distance at each transfer point and storage pile is being minimize; all vehicles are covered before leaving the site; a truck applies water to the roadways and plant yard whenever necessary; material spills are immediately cleaned up; and records of the application of water to the plant's yard and roadways are being maintained in a binder in the Control Tower. A water truck was not watering the plant's roadways and yard at the time of the inspection. The amount of dust was not deemed to be excessive to me, which is in compliance with SC 1.6. I reviewed their daily processing records and these are sent to company headquarters to compile yearly processing records. I determined that they are in compliance with SC 1.9. They conducted the visible emission evaluation required by NSPS Subpart OOO and SC 1.8 on the plant's new process equipment on July 6, 2017 and August 4, 2017. The new equipment consisted of a jaw crusher, 2 screens, 6 conveyors, and 2 aggregate screws. The evaluation indicated that visible emissions for this new equipment are below the opacity limits established in the PTI. All of the plant's equipment has been labeled as required by SC 1.11. The labeling corresponds to the equipment listed in the plant's PTI. The plant is not located within 500 feet of any residential or commercial establishment.

As a result of this inspection, I determined that Glacial Sand & Gravel is in compliance with its PTI and all other applicable air rules and regulations.

NAME Brian Carley

DATE 10/30/17

SUPERVISOR [Signature]