

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

P144274664

FACILITY: Demand Services		SRN / ID: P1442
LOCATION: 10888 Swan Creek Road, SAGINAW		DISTRICT: Bay City
CITY: SAGINAW		COUNTY: SAGINAW
CONTACT: Aaron Demand, Member		ACTIVITY DATE: 11/20/2024
STAFF: Benjamin Witkopp	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Crusher inspection		
RESOLVED COMPLAINTS:		

On November 20, 2024, Ben Witkopp with the Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division (EGLE - AQD) met with Aaron Demand of Demand Services. The company has a small crusher, screener, and conveyor. General crusher permit 35-24 was issued for the equipment. It was in use at 10888 Swan Creek Road which is southwest of Saginaw. The site is located just east of the intersection of M-52 and Swan Creek Road on the north side. The crusher is located behind some material piles and abuts a forest to the north.

The crusher is a Komplet KJC704 jaw crusher rated at 90 tons per hour. It is NOT subject to New Source Performance Standard OOO for non-metallic mineral processing operations. Therefore, visible emissions testing was not required and the unit is not subject to the AQD fee system.

The basic requirements of the permit are to label the equipment to correspond with the permit application, use measures to control dust, record amounts of material processed per day, maintain a fugitive dust plan, and record activity of control measures.

Aaron maintains a folder containing the air permit, locations and daily amounts processed, actions taken for fugitive dust etc.

The operation had been started up shortly before my arrival based upon the difference in appearance of the material on the storage pile. Chunks of concrete were being crushed. The equipment was properly labeled to align with the permit. Only the crusher and conveyor were being used. Water spray was being used to control dust. A portable 200 gallon tank was the source of water. Very minimal dust was evident as material was being crushed. It was occasional and typically only briefly present when chunks of dry concrete without smalls / soil were crushed. Aaron said he continues to try different types of nozzles and location for water spray.

The small crusher is not equipped with a scale to measure the amount of material crushed per day. Instead, Aaron uses an application on his phone to measure the change in volume of the pile. He then uses a standard of 1.4 tons of crushed concrete per cubic yard to know and record the weight processed per day. The highest days total was only around 180 tons per day. Two million tons per year per site are allowed.

The access roads as well as the areas around the crusher were graded and well maintained. There wasn't any trackout onto Swan Creek Road. The roadway into the area is located between two houses. Aaron said when he got this location he talked to the home owners about his operations and told them if they ever had a problem or concern to discuss it with him. We discussed the fact it is better to be proactive than reactive. Aaron is clearly focused on making sure his crushing activities result in minimal affects. Piles of material are even placed between the crusher and neighbors well to the south to cut down on noise.

The facility is considered to be in compliance based upon the crushing activities observed and the records being kept.

NAME

B. Witkopp

DATE

11/21/24

SUPERVISOR

Glenn R. W. R.

11/21/2024