

**DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection**

N761835489

FACILITY: GREAT LAKES AGGREGATES LLC TEREX FACILITY		SRN / ID: N7618
LOCATION: 5699 READY RD, S ROCKWOOD		DISTRICT: Jackson
CITY: S ROCKWOOD		COUNTY: MONROE
CONTACT: Jeremy Raymo , superintendent		ACTIVITY DATE: 06/23/2016
STAFF: Tyler Salamasick	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Relocation Notice		
RESOLVED COMPLAINTS:		

**Background**

Great Lakes Aggregates LLC Terex Facility (Great Lakes) SRN: N7618 is a portable nonmetallic mineral crushing operation currently located at Ajax plant number one. Ajax plant number one's address is 4875 Bald Mountain Road, Auburn Hills, Michigan. The manufacturing facility was inspected on Thursday 6/23/2016 by Tyler Salamasick of the Michigan Department of Environmental Quality, Air Quality Division. The intent of the inspecting was to determine compliance with the Federal Clean Air Act Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended, and Michigan's Air Pollution Control Rules. Great Lakes currently holds permit No. 160-06J.

The site contact is the Doug Chard, the plant operator. He joined me in both the inspection. Thomas Downs from Great Lakes provided me with the records electronically. Doug did have paper copies of the records on site.

**Inspection**

Site arrival was at 11:08 am Thursday morning. The weather conditions were 75F with a SE wind at 6 mph and mostly cloudy. Great Lakes is currently located in a primarily rural area with the nearest residential structure approximately 3.1 miles East of the facility. I was greeted by Kenny and Roberto both Ajax plant operators. I showed both operators my State Identification and informed them that I was conducting an unscheduled inspection of the nonmetallic mineral crusher currently operating on the site. They granted me permission to walk to the back of the yard, where Great Lakes is located. I met with Doug Chard of Great Lakes and he showed me the permitted equipment as well as answered my questions. Doug informed me that the current crushing facility has three to four employees operating the equipment from 6am to 4:30pm. During my inspection I visually inspected the general site for fugitive dust. The driving areas were damp and Great Lakes had a watering truck on site. The watering truck had a 4000 gallon tank and Doug informed me they would go through approximately 8000 to 12000 gallons of water per day. There was a well on site that was used to refill the watering truck as it was needed. The truck was capable of spraying water approximately 20ft with utilization of a pressurized tank and spray nozzle. Doug told me that Ajax had been maintaining the application of Chloride and had as recently as last Friday (6/17/16) applied Chloride to the unpaved section of the yard they were operating in. All required records were recorded by hand by Doug and then sent to the Great Lakes office to be stored. Doug was able to show me his copies of the hand written records.

**Permit Conditions**

I. Emission limits did not exceed 10% during my inspection. I did not perform a method 9 reading, but at no point could I see opacity at any drop points or transfer points. Doug shut down the process when we looked at serial numbers and equipment id tags.

II. Doug informed me that they do not crush asbestos tailings, or asbestos containing waste. I inspected the unbroken concrete area. I did not see building construction debris or any concrete that was painted. It all appeared to be road concrete.

III. Appendix A requires the crushing operation to not exceed 15% opacity at the crushers and 10% at the conveyor points. I did not observe excess emissions from any points when they were operating. It also

requires the particulate matter to be controlled with water spray. I inspected the crusher when Doug turned on the control equipment. The water spray appeared to be working correctly on R-24, R-20 and R-64 as required by the permit.

IV. Part 2 requires that the permittee shall not operate any portion of EUPROCESS within 500 ft of a residential structure. The nearest residence is approximately 3 miles away (Google Earth).

V. Testing required for 40 CFR Part 60 Subpart A & OOO was performed by Derenzo and Associates INC. Thomas Downs provided the AQD with the test results electronically. The results show compliance with NSPS OOO visual emission requirements.

VI. Monitoring and record keeping shows regular maintenance as well as dust suppression application as required by the permit. The current year's total concrete crushed as of July is 150822 tons. The permit does not have a total tons requirement. Great Lakes is in compliance with this condition of permit 160-06J.

IX. Requires all the equipment to be labeled with company ID numbers as specified in Appendix A. During my inspection the Masaba stacker R-26, R-30 and the 60 foot stacker R-47 were not on site. Some of the ID markings were difficult to read, and Doug informed me that he planned on repainting the ID numbers on the equipment. Some of the serial numbers could not be located on the equipment. The equipment serial codes are as follows.

Equipment	Serial Number
Masaba 100' Stacker	2007319
Superstacker 120'	414825
Terex Cedarapids crusher	Crs3054
Trakpactor	14011 oca
Terex Cedarapids screen	2006230

FGFACILITY IX other requirements did not apply. The facility was not operating in Chesterfield Township at the time of my inspection which is the condition IX part 1 through 4 references.

Appendix B Fugitive dust plan was being followed by Great Lakes during my inspection. Doug had records that showed water and Chloride applications as required by Appendix B part III a. Subparts (b) and (c) did not apply because the site was not paved and was located on the back section of Ajax's property. The stock piles were wet from residual moisture on the aggregate from the water spray. I did not observe any visible emissions coming off of the storage piles during my inspection.

Appendix C did not apply at the time of the inspection. This appendix stipulates additional requirements for operations in Chesterfield Township. The current plant is located outside of Chesterfield Township.

Conclusion

It appears that they are in compliance with permit No.160-06J. There are no notable cases to follow up for the next inspection.

NAME 

DATE 7/12/16

SUPERVISOR CJE