

grounds with vehicle traffic including up to the end of their driveway at Inkster Road. A water truck is kept onsite, and water is collected from an onsite well. The ground water in this area has a high sulfur content, which results in some sulfur type odors when close to the water. However, no odor complaints have been received regarding this facility. Water is applied to the roadways every couple of hours, each day that the facility operates. The facility tracks the amount of water sprayed. Great Lakes does not apply any other dust suppressants to the lot. The facility employs a street sweeper which sweeps the street approximately three times per week or every day when the facility is really busy. The vacuum-water-type sweeper will sweep the driveway and a portion of Inkster Road near the facility.

INSPECTION NARRATIVE

Mr. Weis and I arrived in the area at about 1:30 pm. We initially met with Ms. McManus. She explained some of the operational processing at the facility. She also shared Mr. Tom Downs contact information. Mr. Downs is the primary contact person for this facility. His phone number is 810-343-3848.

We were then joined by Mr. Emerick, who walked us through the site. At the time of the inspection, the crusher was not operating because the loader was in need of maintenance. The plant operator, Mr. Fox, agreed to operate the crusher so that we could see the crushing operation, and several loads of material were loaded into the crusher. During operation, the operator stands near the loading area, and manually sprays the loading concrete with a hose to control potential dust. The jaw crusher is equipped with water spray bars at the crusher. We observed some dust from this part of the crusher. The rest of the crusher showed some dust when it was first fed with material. However as it operated the amount of dust was light to minimal. The crusher was producing 21A grade aggregate, which we observed collecting in a storage pile. The drop distance from the Superior Tele Stacker conveyor was minimal for dust control. Company personnel stated that dust complaints are addressed internally, with money taken from the employee safety bonuses.

A new business has recently located on a property adjacent to the south. The property owner looks to be Fiore, and there were stored piles of aggregate or concrete on the property. Garry's Trucking is adjacent to Fiore. Both of these sites have unpaved lots, which could create dust as vehicles traveled across the lots. No activity was occurred at either of these sites during the onsite inspection.

APPLICABLE RULES/PERMIT CONDITIONS

The crushing plant is operating under permit 81-00, which is a general crushing permit and was issued on March 23, 2000. The special conditions are as follows:

- 1.1 NA – 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 particular crushing plant does not have any baghouse or other dust collection devices.
- 1.2 Compliance – The visible emissions that were observed while the crushing plant was operating appear to be below the opacity limits listed in this permit. While the equipment was operating, the majority of the dust was controlled with water sprays.
- 1.3 Compliance – The permittee shall not process more than 2,000,000 tons of any non-metallic mineral through FGCRUSHING per year per site. During 2015, the facility processed less than 400,000 tons of materials, which is less than the permitted limit.
- 1.4 NA – This crushing unit is only operating under this current permit so the 2,000,000 tons of materials processed applies.

- 1.5 Compliance – The permittee 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. When directly asked, Mr. Emerick stated that only concrete is crushed at this location. No asbestos containing equipment is crushed at this location.
- 1.6 Compliance – The facility manages a dust management plan that includes daily frequent watering of the roadways. It also includes sweeping the roadways as part of Inkster Road multiple times per week. A water truck was watering the site during the onsite inspection. A sample of the records for the watering as attached to this report.
- 1.7 Compliance – The crusher plant was equipment with a water spraying system. Additional watering of the material as it is loaded into the plant was done by an operator with a hose.
- 1.8 Compliance – This source was last inspected on October 16, 2000. During that inspection, it was determined that the crusher was replaced with a new crusher capable of crushing 800 tons per hour in March 2000. The new notification date for the new crusher was May 23, 2000. Opacity testing for the new crusher occurred on August 3, 2000.
- 1.9 Compliance – Daily records are kept for the amount of buckets processed daily. Each bucket is equivalent to 10 tons of crushed material. Mr. Tom Downs is responsible for these records. The annual amount of material processed is report in MAERS.
- 1.10 Compliance – The startup of the current crusher occurred in March 2000. A new notification was submitted for this facility on May 23, 2000.
- 1.11 Compliance – During the onsite inspection, both Mr. Weis and I observed labels on different parts of the crusher plant.
- 1.12 NA – No parts of this crusher plant have been modified since the last time that this plant was inspected.
- 1.13 NA – This plant has not relocated during at least the past year. The facility has no plans to move this plant from the current location.

Fugitive Dust Plan:

Plant – Compliance – During the onsite inspection a minimal drop distance was observed while the crusher plant was operating. One of the conveyor systems is automatically controlled to limit the drop distance. The other conveyor system is manually controlled.

Truck Traffic – Compliance – During the onsite inspection, the loader was observed operating in a manner to minimize dust based on where the operator was transporting the materials from the storage piles to the crusher.

Site Roadways and Plant Yard – Compliance – The roadways are treated with water many times during the day. A street sweeper is used about 3-7 times per week, sweeping the roadways as well as part of Inkster Road. Records are kept for each time that water is sprayed onto the roadways. No spills were observed during the onsite inspection. No calcium chloride is applied at this site.

Storage Piles – Compliance – A minimal drop distance was maintained during the onsite inspection. One of the conveyor systems is automatically controlled to limit the drop distance. The other conveyor system is manually controlled. Dust was not observed blowing off of the storage piles, so these piles were not in need of being watered. Watering records are maintained by staff at this facility.

AQD/MDEQ Inspection – NA – No adjustments to this fugitive dust plan are needed at this time.

MAERS REPORT REVIEW

The MAERS Report was received on February 29, 2016. The report was received on time and was reviewed on May 12, 2016. The facility utilizes the facility-wide reporting option for this crusher plant. The facility reported a throughput for the 2015 reporting year was 389,836 tons, a slight decrease from the previous year. The reported emissions for this year were 3898.36 tons of particulate matter. All reported values were acceptable.

FINAL COMPLIANCE DETERMINATION

Great Lakes Aggregates appears to be operating in compliance with all state and federal regulations, as well as all permit conditions. The facility appears to be actively working to control the dust at this location with frequent watering of the lot and the use of a street sweeper multiple times per day.

NAME Jill Zimmerman DATE 7/21/16 SUPERVISOR JK