

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

M352632117

FACILITY: STATE CRUSHING, INC.-EAST		SRN / ID: M3526
LOCATION: 25501 Sherwood, WARREN		DISTRICT: Southeast Michigan
CITY: WARREN		COUNTY: MACOMB
CONTACT: R.J. Orozco, Co-Owner		ACTIVITY DATE: 10/16/2015
STAFF: Kerry Kelly	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: MINOR
SUBJECT: Targeted inspection		
RESOLVED COMPLAINTS:		

On October 16, 2015, AQD staff, Kerry Kelly and Iranna Konanahalli, conducted a targeted inspection of State Crushing-East, Inc. located at 25501 Sherwood Ave. in Warren, Michigan. The purpose of the inspection was to investigate three fugitive dust complaints received by the Southeast Michigan District Office on October 6, 2015 and October 12, 2015, and 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; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Rules; and Permit-to-Install (PTI) #154-12 for a non-metallic mineral crushing plant.

Upon arrival at the site, AQD staff introduced themselves, presented their DEQ employee photo identification, explained the purpose of the inspection, and gave a copy of the pamphlet "Environmental Inspections: Rights and Responsibilities" to Mr. R.J. Orozco, Co-owner. Mr. Orozco accompanied AQD staff during the inspection.

FACILITY DESCRIPTION

State Crushing-East produces building and road aggregate from concrete it receives from road construction projects. The concrete is loaded into a jaw crusher and conveyed to a double deck screen. Material smaller than 5/8" in diameter falls to the second deck of the screen and is conveyed to a storage pile as 21AA aggregate. Material between 1" and 3" in diameter is caught up in the first deck of the screen and conveyed to a storage pile as 1" x 3" aggregate. Material larger than 3" in diameter is conveyed to a secondary impact crusher. From the secondary impact crusher, material is, once again, conveyed to the double deck screen where the process repeats itself until nothing but 21AA aggregate and 1" x 3" aggregate is produced as a final product. Equipment at the plant includes the following: 1 jaw crusher; 1 impact crusher; 1 double deck screen; 7 conveyors; 2 stackers; and a front loader. Crushing was taking place at the time of the inspection.

INSPECTION

EUPROCESS

According to Mr. Orozco no equipment has been replaced or added since State Crushing purchased the plant from Joe Davis Crushing, Inc. in 2013. The plant receives and processes road construction material which does not contain asbestos. Potential fugitive dust from EUPROCESS is being controlled by the operator spraying the inlet to the primary jaw crusher, inside the secondary impact crusher, at the top of the double deck screen, at the end of the 21AA aggregate stacker, and at the end of the 1" x 3" aggregate stacker with a garden hose. The operator was observed spraying the aforementioned locations during AQD staff's visit. AQD staff did not observe any visible emissions from the screen, conveyors, stackers, or transfer points at the time of the inspection.

Mr. Orozco provided daily production records for the months of September 2015 and October 2015. The highest reported daily production of material during the reported period was 1108 tons, which is below the 2,040 ton per day processing limit established in PTI 154-12.

The visible emissions evaluation required by NSPS Subpart OOO and PTI 154-12 is not applicable to the plant's operation since the plant's equipment was installed prior to the effective date of NSPS Subpart OOO. *

The plant's crusher, screen, conveyors, and stackers were labeled as required by Special Condition IX.1 under EUPROCESS of PTI 154-12.

EUTRUCKTRAFFIC

The plant yard and roadways were wet at the time of the inspection. According to Mr. Orozco, sodium chloride has been applied to limit fugitive dust production from the plant yard and roadways. Spills are cleaned up immediately with the front loader. In an effort to remove track-out, Sherwood Ave. and the paved portion of the yard is swept every other day by Sweepmaster, Inc. AQD staff did not observe track out along Sherwood Ave. during the inspection. AQD staff did observe a Sweepmaster, Inc sweeper sweeping Sherwood Ave. north and south of the State Crushing – East throughout the inspection. The company provided records of the dates Sweepmaster was at State Crushing – East for September 17, 2015 through October 16, 2015.

On September 10, 2015, AQD staff issued a violation notice to State Crushing - East for not maintaining records of water applications. In his response to this violation, Mr. Orozco stated "We are currently keeping a log book of each application of water". Records of water applications to roadways, the yard, and storage piles, requested during the October 16, 2015 inspection, have not been provided. This appears to be a violation of Appendix B, I. A of PTI 154-12. A second violation notice will be issued for the Appendix B, I. A violation because the resolution stated in the September 10, 2015 violation response was not implemented.

EUSTORAGE

AQD staff observed the open stock piles during the inspection. No visible emissions were detected from the stock piles.

CONCLUSION

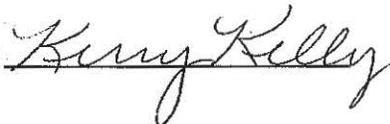
A second violation notice will be issued to State Crushing - East for not maintaining records of water applications, which is a violation of Appendix B, I. A of PTI 154-12.

ADDENDUM

* The date of installation cited in this paragraph and in the September 3, 2015 self initiated inspection report CA M352631031 is incorrect.

Correction: It was discovered on December 10, 2015 that the installation date of the crusher equipment was after the effective date, August 31, 1983, of NSPS Subpart OOO. The installation date was reported in the 2014 Michigan Air Emissions Reporting System (MAERS) as January 1, 1994 and in the 2012 permit application as approximately 1996.

NAME



DATE

12/14/15

SUPERVISOR

