

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

P055227984

FACILITY: CARDINAL AGGREGATE, INC.		SRN / ID: P0552
LOCATION: 200 MATLIN ROAD, CARLETON		DISTRICT: Jackson
CITY: CARLETON		COUNTY: MONROE
CONTACT:		ACTIVITY DATE: 12/03/2014
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Compliance inspection		
RESOLVED COMPLAINTS:		

Plant Contact: John Fork, Plant Foreman  
 Email: [Johnfork@cardinalaggregate.com](mailto:Johnfork@cardinalaggregate.com)  
 Company Contact: Phil Eisel, Vice President of Operations  
 Email: [phileisel@cardinalaggregate.com](mailto:phileisel@cardinalaggregate.com)  
 Phone: 419-872-4380  
 Company Address: 8026 Fremont Pike, Perrysburg, OH 43551

Cardinal Aggregates relocated their portable crushing operation to the DTE Electric Company Monroe Power Plant (DTE Monroe) to crush concrete and asphalt that was piled there. This equipment was permitted under General Permit to Install No. 152-14.

Before meeting with DTE personnel to go the crushing operation, I was able to observe the equipment in operation from the stack test platform on the Unit 1/2 stack. I did not see any fugitive dust or visible emissions being generated as they were operating the equipment. I then met with Lisa Bates, DTE Energy, who drove me to where the crushing operation was located on the DTE Monroe property. We met with John Fork, Plant Foreman, and I explained the purpose of this inspection. I gave him a copy of the Environmental Inspections pamphlet and quickly went over the inspection procedure that was in the pamphlet.

He told me that they had finished crushing concrete the week before and were now crushing asphalt. He said that they were done crushing concrete until spring time when they can use the water sprays again. He told me that the asphalt did not require water sprays and I was able to observe that there were no visible emissions being created while the equipment was running during the inspection. There wasn't a baghouse installed on any of the equipment; which makes Special Condition (S.C.) 1.1 concerning baghouse PM emission limits not applicable. As stated before, I was not able to see any visible emissions coming from the equipment as it was crushing the asphalt, which is in compliance with S.C. 1.2 concerning visible emissions limits. They will have processed less than 35,000 tons of materials in Michigan for this year once this job was completed, which is in compliance with S.C. 1.3 limit of 2,000,000 tons processed per year. DTE Monroe does not have a limit for the amount of material processed for their own limestone crushing operation; therefore S.C. 1.4 concerning alternate process limits is not applicable. Mr. Fork said that they do not crush anything with asbestos which is in compliance with S.C. 1.6. S.C. 1.7 requires them to have water sprays installed and operated as necessary and they are in compliance with this condition. S.C. 1.8 requires all equipment to meet the requirements of 40 CFR Part 60, Subparts A and OOO. They tested the equipment on November 4, 2014 and submitted the report the AQD on November 17, 2014, which showed that they passed the required visible emissions tests. For the equipment they are using on this job, they could not use a scale on the conveyor belts, so they are doing rough estimates each day and will get a final total at the end of the job when they determine the size of the piles and break that down by the hours worked each day to get an accurate amount that was processed on this site.

He showed me the identification markings of the each of the equipment that was being used at job. They had on site a crusher and feeder (serial number XR400S), screen and feeder (serial number warrior 1800), and conveyor/stacker (Hall 85'x30"). They also had on site but were not operating at the time of the inspection another conveyor (Superior 60'x30"). All of this equipment is in their permit and has passed the Subpart OOO visible emission test. This meets the label requirement in S.C. 1.11. They have not replaced or modified the equipment listed in their permit at this time, so they are currently in compliance with S.C. 1.12. Per S.C. 1.13, they have sent in the required relocation notice within the time frame required and they are located more than 500 feet from any residential or commercial establishment or place of public assembly. However, Mr. Fork did not have a copy of their current general permit and conditions with him. He did have a smart phone and laptop

with him in his truck and I told him that it would be acceptable to have an electronic copy of the permit on his cell phone and his laptop. He said that he would bring this up to his boss, Mr. Phil Eisel and didn't think that this would be a problem. DTE Monroe did have a copy of their permit in their office.

Based on the information that I gather during this inspection, I determined that they are in compliance with their permit. I thanked Mr. Fork for his time and Lisa and I left that job site.

NAME Brian Kelly

DATE 12/10/14

SUPERVISOR [Signature]