

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

N665241567

FACILITY: Stoneco Inc., South Kent Gravel		SRN / ID: N6652
LOCATION: 7555 Whiteford Road, OTTAWA LAKE		DISTRICT: Jackson
CITY: OTTAWA LAKE		COUNTY: MONROE
CONTACT: Susanne Hanf,		ACTIVITY DATE: 09/20/2017
STAFF: Brian Carley	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced self-initiated inspection on a portable plant		
RESOLVED COMPLAINTS:		

Facility Contact: Susanne Hanf, Environmental Engineer
Phone: 734-777-3647
Email: shanf@stoneco.net

On September 20, 2017, after I finished my inspection of the sand and gravel operation at the Stoneco Moscow pit, Brad Wilson, Manager of the Stoneco Moscow pit, took Zack and me to where Stoneco Portable 76 Plant was operating in that pit. Brad contacted the on-site supervisor, Mr. Ron Belden who came around and met us. Stoneco Portable 76 Plant is a portable crushing plant operating per the requirements of General Permit to Install No. 56-00.

The portable crushing plant, at the time of the inspection, was located in the Stoneco Moscow pit (8760 East Chicago Road, Horton Michigan) that is currently being mined for gravel and sand (e.g. aggregates). This portable crushing plant's process is a nonmetallic mineral processing plant consisting of crushers, screens, and conveyors. Power for this plant was provided by two diesel fuel-fired engines that are mounted on semi-truck trailers.

A relocation notice to move the plant from Michigan Paving and Materials located at 56th Avenue, Paw Paw (Van Buren County) to 8760 East Chicago Road in Horton (Hillsdale County) was received August 30, 2017. This plant was scheduled to be in the Stoneco Moscow pit from September 5, 2017 through November 2017. The amount of product to be processed at this site was to be approximately 70,000 tons. Ron said that they were only going to be in this location for only two or three more weeks. I determined that they are in compliance with SC 1.13b.

The crushing plant was operating during the entire inspection and a blend sand and gravel was being produced. A watering system was installed or capable of being installed on the conveyors and crushing equipment as required by Special Condition (SC) 1.7. Drop distances were minimized as required by the Fugitive Dust Control Plan in Appendix A. Some dust was coming from the Telsmith Cone Crusher 43.0054 (7610). SC 1.2b limits opacity from all crushers to less than 15%. No opacity readings were taken at the time of the inspection.

Ron had a copy of the permit on his phone which meets the requirements of SC 1.13d. The crushers were located greater than 500 feet from the nearest residence per SC 1.13c. The closest residence was located over 800 feet away to the south.

Ron showed me the daily production records (in compliance with SC 1.9). To date at this site, the plant has processed approximately 35,000 tons of overburden of which some would be used as gravel for road shoulders. The facility reports to MAERS as a Category III fee subject. They reported PM10 emissions of 7,077.15 lbs for El Year 2016 due to crushing operations. The portable plant processed 707,715 tons of sand and gravel in 2016. This is well below the limit of 2,000,000 ton per year per site allowed in SC 1.3.

After the inspection, I had contacted Susanne Hanf to get a copy of the most recent visible emissions test for the equipment of this portable crusher and the total amount of material that was processed at that site. Susanne had conducted the visible emissions test (Method 9) per NSPS Subpart OOO on the new stacker and the other existing equipment on September 14, 2017 while this plant was at this current location. The results of the visible emissions tests showed that the equipment was in compliance with the requirements of Subpart OOO (see attached). Also in her response, she said that they processed 157,424 tons of sand and gravel and was on site for about 48 days.

Based on my inspection and the information provided by Ms. Hanf, I have determined that this portable crusher is in compliance with its permit and all other applicable air rules and regulations.

NAME Brian Carley

DATE 11/3/17

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