

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

B492330571

FACILITY: STONECO INC		SRN / ID: B4923
LOCATION: 6837 SCOFIELD RD, MAYBEE		DISTRICT: Jackson
CITY: MAYBEE		COUNTY: MONROE
CONTACT: Steve Bogoski, Plant Manager		ACTIVITY DATE: 08/11/2015
STAFF: Diane Kavanaugh-Vetort	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: SM OPT OUT, NSPS Subpart OOO Fee Cat II. Conducted complete scheduled compliance inspection. Limestone crusher facility in permanent location.		
RESOLVED COMPLAINTS:		

SRN: B4923

COMPANY: Michigan Paving & Materials, Stoneco of Michigan-Maybee Quarry

COMPANY ADDRESS: 6837 Scofield Road; Maybee, MI 48159

PURPOSE OF INSPECTION: Targeted SM OPT OUT

CONTACT PERSON: Mr. Steve Bogoski, Site Manager (Ph: 734-587-7125; Cell: 734-777-1775; Fax: 734-587-2888; Email: SBogoski@mipmc.com)PRIMARY CONTACT: Sue Hanf, Environmental Engineer, (Ph: 734-854-2265, Cell: 734-777-3647; Email: SHanf@mipmc.com)

COMPANY PHONE NUMBER: 734-587-7125

On August 11, 2015, AQD staff, Diane Kavanaugh Vetort (DKV), and Zachary Durham (ZD), conducted a targeted, announced inspection of a non-metallic mineral crushing plant owned and operated by Stoneco of Michigan. The crushing operation is located at the Maybee Quarry (6837 Scofield Road in Maybee, Michigan) where the company mines limestone to be processed in its crushers. The purpose of the inspection was 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; NSPS Subpart OOO for Non-Metallic Mineral Processing Plants; and Permit-to-Install (PTI) #133-98D for a non-metallic mineral crushing operation.

Upon arrival at the site, AQD staff introduced themselves, provided identification and stated the purpose of the visit to Mr. Steve Bogoski (SB), Site Manager. SB assisted AQD staff during the inspection. DKV and ZD were required to go over Stoneco's Hazard Training & Recognition Checklist with SB and sign it. The prior inspection report of 5/31/13 stated, Stoneco of Michigan's Maybee Quarry facility operates from 6:00 AM until 4:00 PM Monday through Friday. SB told us 8 people are currently employed at the location. The facility crushes limestone mined from the Maybee Quarry and sells the processed material to building and road contractors. The processed material ranges in size from a fine sand to a 4" x 8" stone. Equipment at the location includes the following: 1 primary jaw crusher; 2 secondary cone crushers; 1 Barmac Impact crusher; 8 screens; 8 stackers; numerous conveyors ; and a water truck. Secondary crushing in the cone crushers takes place on material which needs to be further refined after being processed by the primary jaw crusher.

I observed that the plant was not operating and crushing was not taking place at the time of the inspection. This plant has mining on one side of Doty Road and processing on the other side of the road requiring a very long conveyor system to transport material from one side to the other. SB explained they had a conveyor belt break today on first shift and then had another issue on the other side and decided to do maintenance while down.

During the inspection DKV and ZD rode with SB in his vehicle, first to the quarry floor and associated areas and then to the processing side of the plant. We drove to and observed the active mining areas, the storage piles (both sides) and the crushers and processing equipment. I observed the location of the belt scales for determining the amount of material processed. I observed the new replacement cone crusher located immediately after the material crosses over from the Quarry. I asked about the

remaining life of mining this quarry and SB estimated 3 years. It was verified that the water discharged from the quarry is still being treated for dissolved sulfides. They are now conducting a trial using liquid oxygen as opposed to the Hydrogen Peroxide normally (commonly) used. They think it is working well.

PTI #133-98D was revised in 2015 to address a like-for-like Cone Crusher replacement. The PTI is separated into EU-Process, EU-TruckTraffic, and EU-StoragePiles. The inspection indicated the following with respect to compliance with these emission units:

EU-Process

None of the plant's crushers were operating at the time of the inspection. Therefore, compliance with the visible emissions limits established in the company's PTI could not be evaluated. The plant minimizes drop distances at drop and transfer points to limit fugitive dust production. The plant does not process any material containing asbestos. The company provided monthly and 12 month rolling production records for January 2005 - July 2015. The PTI limits processing to not more than 20,000 tons per day and 5 million tons of material per 12 month rolling time period as determined at the end of each calendar month.

Stoneco's records indicate during the prior 12 months, production is well below the worst case limit of not more than 20,000 tons/day x 31 days/mo = 620,000 tons/month. The highest monthly total was in June 2015 with production of 105,091 tons. Stoneco's records demonstrate that it processes less than 5 million tons of material per 12 month rolling period in its crushers. They provided records showing that 656,739 tons of material was processed in its crushers during the August 2014 to July 2015 monthly rolling period. This is well below the limit established in its PTI.

During the inspection DKV did not observe any excessive fugitive dust. Stoneco appears to be in compliance with all of the conditions in the Fugitive Dust Control Plan in Appendix B of its PTI. Daily records are being maintained of water applications to the roadways and yard. Daily sweeping records for the paved roads are also being maintained. Steve gave me a copy of the 2015 Recordlog (a daily dust control log) for June to August to date.

The facility has several scales which it uses to weigh the amount of material that has been processed by its crushers. The visible emission evaluation of the processes required pursuant NSPS Subpart OOO are documented in AQD files. These are usually performed by Sue Hanf, EE, AQD's primary contact for Stoneco. Prior inspections have verified that all of the plant's equipment was labeled as required by its PTI.

EU-TruckTraffic

DKV and ZD observed minimal visible emissions from vehicle traffic during the inspection. Some amount of wind blown visible dust was also observed on Doty Road. The facility appears to be abiding by the Fugitive Dust Control Plan in Appendix B of its PTI to control dust from its roadways and plant yard. AQD did not obtain records of truck traffic to and from the site during the inspection. This information is provided with Stoneco's MAERS. Their PTI limit is 100,000 trucks per 12-month rolling time period.

A wheel wash system designed to minimize trackout from the plant is located along the east-central portion of the plant yard. The plant Hazard Training Checklist has a plant diagram on the back side and it shows the location of the wheel wash. Prior inspection verified that the water in the wheel wash system is deep enough to completely submerge a semi truck tire (approximately 6" deep). DKV and ZD did not verify this during the inspection but did solicit an explanation from Sue Hanf following our observance of one truck exiting the scale house and leaving the site and wheels appeared to be dry. Email correspondence (placed in file) explained the travel distance and delay for some trucks can result in wheels drying by the time they exit the site. Dust was not significant and this area will be reviewed more thoroughly during the next scheduled inspection.

EU-StoragePiles

No visible emissions were observed to be emanating from the plant's storage piles during the inspection. SB said about 140,000 tons of processed material was currently being stored at the plant. This is well below the 900,000 ton storage limit established in the PTI. The company is abiding by the Fugitive Dust Control Plan in Appendix B of its PTI. Specifically, the storage piles are watered down whenever necessary to control fugitive dust. The storage piles did not appear to be within 100 feet of the company's property line as required by the PTI.

COMPLIANCE SUMMARY

As a result of this inspection, Stoneco of Michigan-Maybee Quarry appears to be in compliance with its PTI and other applicable air regulations. The records and correspondence referenced in this report have been placed in AQD files.

NOTE: It is documented here that the plant was not operational during this and the prior inspection. It is advised that the next AQD compliance inspection be conducted during full plant operation.

NAME



DATE

8/27/15

SUPERVISOR

