

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

N577835945

FACILITY: GERKEN MATERIALS INC		SRN / ID: N5778
LOCATION: 15203 S TELEGRAPH, MONROE		DISTRICT: Jackson
CITY: MONROE		COUNTY: MONROE
CONTACT: Rob Jankowski , Operator		ACTIVITY DATE: 08/10/2016
STAFF: Zachary Durham	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled, unannounced inspection of PTI 108-96a.		
RESOLVED COMPLAINTS:		

Contact

Rob Jankowski
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Purpose

This was a scheduled, unannounced inspection of the asphalt batch plant facilities and equipment identified in Permit to Install (PTI) 108-96a. I arrived on site at about 10:30am on 8/10/16 to conduct the inspection and met with Rob Jankowski.

Background

This facility is located at the Stoneco Denniston Quarry, which is where Gerken procures aggregate used in their final product. Gerken Materials, Inc. owns and operates several of these plants across the State of Michigan. Operations at this plant are seasonal, usually starting in April/May and shutting down around December.

This facility reports annually to the Michigan Air Emissions Reporting System (MAERS) to demonstrate compliance with emission limits set out in their PTI and as a synthetic minor opt out source. This facility was audited on 6/7/2016 by Diane Kavanaugh Vetort and found to be in compliance.

This facility was last inspected by Robert Mcleod on 6/16/2011 and determined to be in compliance at that time.

Compliance Evaluation**EU15**

This is the emission unit (EU) for the hot mix asphalt plant #15. The limit of 518,750 tons of asphalt paving material per 12-month rolling time period is being fulfilled. Attached is the production for all of 2015 as well as records for May and June 2016. During 2015 total asphalt production amounted to 35,524 tons. After looking through data from previous years, these figures appear to reflect normal production levels. In the same record they track recycled asphalt pavement (RAP) blend ratio, natural gas use, and other aggregate use. The blend rate for RAP is set at a maximum of 50%, though the company appears to blend at about a 30% level. No asbestos containing waste is used in the production of their product.

I also observed the record for the two most recent burner tune ups dated 10/16/2015 and 6/1/2016. The document was in the form of a receipt which was then transcribed to a standard paper form (see attached 6/1/16 analysis). The tune up is contracted out. And although this EU allows for the combustion of No. 2 fuel oil, the facility has only been using natural gas.

I observed the baghouse installed at the plant as required by this EU to control particulate matter (PM). The plant was not in operation during my visit, though I observed the pressure drop gauge that they have set at 3-5 inches of water. They also have replacement filter bags on site in the event they need to be replaced. It appears that all conditions of the Preventative Maintenance Program as outlined in Appendix A of the PTI are being adhered to.

EUYARD

This is the EU that addresses potential fugitive dust sources from facility roadways, plant yard, storage piles, and material handling. Visible emissions are being controlled on site through the use of the Fugitive Dust Program in Appendix B of the PTI. I observed the logs being kept, which includes daily visible emissions (VE) checks on all facility operations. The limit on crushing RAP of 250,000 tons per year appears to be being fulfilled; during 2015 9,586 tons of RAP was used in the process. No VEs were observed during the time of the inspection.

EUACTANKS

This is the EU for liquid asphalt cement storage tanks. I observed the vapor recovery system as installed at the top of the storage tanks, thus demonstrating compliance.

EUSILOS

This is the EU for silos used to store asphalt paving materials produced as product from the facility. I observed the emission capture system as installed on the storage silos.

Summary

I arrived on site at Stoneco and visited the front office. The receptionist directed me to the Gerken facility, which is located in the main plant yard and just past the truck scale. I parked amongst two other vehicles near the control center and proceeded up the stairs of the structure. I was greeted by Rob Jankowski at that time.

Rob said he needed to prepare for production of a batch of asphalt, but allowed me to review the record keeping logs being stored on site. The two binders of record keeping documents contained similar data, with one keeping 5 years of data and the other tracking the current year. All of the records were clearly marked and easy to sort through. Rob rejoined me and made copies of the documents I selected.

From there we took a walk around the various pieces of equipment comprising the plant. All equipment appeared to be in working order, but the plant was not running at the time. Rob showed me a trailer where spare parts are kept, including a large bundle of spare filter bags for the bag house. There were at least 15 spare bags on hand.

Having seen the site and collected appropriate records, I left the facility at about 11:30am.

Compliance Determination

After on-site inspection and review of records and MAERS, I have determined this facility to be in compliance with PTI 108-96a.

NAME Zack Durlam

DATE 8/12/16

SUPERVISOR [Signature]