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

B706835944

FACILITY: GERKEN MATERIALS, INC.		**SRN / ID:** B7068
LOCATION: 2675 TREAT RD, ADRIAN		**DISTRICT:** Jackson
CITY: ADRIAN		**COUNTY:** LENAWEE
CONTACT: Jim Scheub , Regulatory Compliance Manager		**ACTIVITY DATE:** 08/11/2016
STAFF: Brian Carley	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** SM OPT OUT
SUBJECT: Scheduled inspection		
RESOLVED COMPLAINTS:		

Facility Contact: Jim Scheub, Regulatory Compliance Manager
Phone: 419-533-7807
Email: jscheub@gerkenpaving.com

I arrived at the facility and met with Jim Scheub and Larry Wilkerson, plant operator. After giving them a copy of the Environmental Inspection pamphlet and quickly going over it, I started my inspection. They have two active permits at this time: PTI # 783-79G is a facility wide synthetic minor opt out permit and PTI #131-88 for storage silos. The storage silos that PTI # 131-88 covers are no longer on site and I requested that Jim send me a request to void that permit. Prior to my inspection, I reviewed their MAERS submittal of their 2015 emissions and determined that they were in compliance with their Section I emission limits in Tables EUHMAPLANT and FGFACILITY of PTI #783-79G (see MAERS submittal for more information).

For Table EUHMAPLANT, this covers the 225 ton/hr counter flow drum dryer/mixer. As stated before, they are in compliance with their emission limits listed in Section I. They only use natural gas as their fuel for this process as required in Special Condition (SC) II.1 and do not use any material that contains asbestos per SC II.2. They are averaging on a monthly basis 25-30% RAP in the asphalt mixture processed, which is below their 50% limit and do not use recycled shingles in their process at this time (SC II.3). In 2015 they processed 57,765 tons of hot mix asphalt (HMA) paving materials and they cannot process more than 225 tons per hour because their equipment was designed to process no more than that rate. Both of these are under their specified material limits (SC II.4 and 5). They are following the fugitive dust plan in Appendix A, the preventative maintenance plan in Appendix B, emission abatement plan for startup, shutdown, and malfunctions in Appendix C (SC III.1, 2, and 3). Jim had the information of the most recent burner test, which he said he will email me. I received the test results the next day (see attached) and the CO emissions were under 500 ppmv (SC III.4 and VI.3 and 9). They showed me where they monitor the pressure drop of the dust collector and the weight of the virgin aggregate feed rate. They keep this information in a daily log along with the tons of HMA containing RAP, the percent RAP per ton of HMA, virgin aggregate feed rate, the RAP feed rate, the initial mix design and time, and any changes to the mix and the time of the change (SC VI.2, 6, 7, and 10). They had not recorded the asphalt product temperature but they said that they keep it between 280° to 300°F. They will be adding a column to their daily log sheet so that they can record the temperatures. This was acceptable to me. They are also keeping their daily, monthly, and 12 month rolling time period of their emission calculations and TACs, the amount of HMA paving materials produced at this plant (SC VI.8 and 10). They also keep track of the significant maintenance activities conducted and significant repairs for this plant (SC VI.5). The last stack test that included PM was conducted in 2011 and the test showed a PM emission limit of 0.004 gr/dscf which is below the limit of 0.04 gr/dscf per 40 CFR Part 60, Subpart I (SC VI.5). I have determined that they are in compliance with this table.

For Table EUYARD, this covers the fugitive dust sources including: plant roadways, plant yard, material storage piles and material handling operations (excluding cold feed aggregate bins). This table requires them to implement and maintain the fugitive dust control plan in Appendix A and to report the fugitive dust emissions in MAERS (SC III.1 and VI.2). They use hoses and sprinklers to control the fugitive dust and are reporting the emissions in MAERS. I determined that they are in compliance with this table.
For Table EUACTANKS, this covers the liquid asphalt storage tanks. This table requires them not to operate EUTACTANKS unless the vapor condensation and recovery system is installed, maintained, and operated in a satisfactory manner. After being shown the control device, I determined that they are in compliance with this table.

For Table EUSILOS, this covers the HMA paving material product storage silo. They are required to install, maintain, and operate in a satisfactory manner emission capture systems on each silo and a Blue Smoke collection system in the load out area. I was able to observe that these devices were installed. I determined that they are in compliance with this table.

For Table FGFACILITY, this covers the emission capture system and load out control, vapor condensation and recovery system, and fabric filter dust collector. As stated above they are in compliance with the Section I emission limits in this table. They are keeping records of the hazardous air pollutants by individual and aggregate pollutant in tons per month and

tons per 12 month rolling time period. I determined that they are in compliance with this table.

Based on my inspection and their MAERS submittal, I determined that they are in compliance with their permit. I thanked them for their time and left.

NAME Brian Carley DATE 9/7/16 SUPERVISOR