

*Cody* —

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

B557942079

FACILITY: BRANCH COUNTY ROAD COMMISSION		SRN / ID: B5579
LOCATION: 380 Harold Sellers Dr., COLDWATER		DISTRICT: Kalamazoo
CITY: COLDWATER		COUNTY: BRANCH
CONTACT: Trent Arver, Engineer		ACTIVITY DATE: 10/05/2017
STAFF: Dennis Dunlap	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled inspection.		
RESOLVED COMPLAINTS:		

This inspection was originally scheduled for Oct. 4. Due to rain, the asphalt plant did not operate. AQD staff went to the plant unannounced on Oct. 5. Inspectors for AQD were Dennis Dunlap and Cody Yazzie. The contact person for Branch County was Trent Arver. The plant is covered by PTI 360-73C. This is an opt-out permit for HAPs.

AQD staff arrived at the plant at about 10:30 AM. The plant was in operation. No visible emissions were seen at the stack. Water vapor was condensing above the stack. The pressure drop indicator at the dust collector was reading 3.8. This was within the permit limit of 3-8. The pressure drop is recorded once per day and recorded electronically. There is a liquid asphalt cement tank that is covered by the permit. The vapor condensation recovery system was operating. The tank is heated by a burner that operates on #2 diesel fuel. There is a small above ground tank used to store the diesel fuel. This tank is exempt by Rule 284(2)(g). There is a 10,000-gallon steel tank also onsite which is used to store asphalt emulsion for roadwork. The emulsion is not used at the asphalt plant. The emulsion is HRFS-2 from Michigan Paving. According to the SDS the vapor pressure is less than 1.5 psia, which meets the permit exemption of Rule 284(2)(l).

In the control room, the temperature reading to the inlet of the dust collector (drum exhaust gas temperature) was reading 230 degrees F. There is an alarm for the drum exit temp. This is set at 450 degrees F with an automatic shut off at 510 degrees F. The drum temperature was 213 degrees F. The temperature of the outlet to the dust collector was 200 degrees F. The rate of production was 140 tons per hour. This is recorded electronically. The maximum rate is about 150 tons per hour. The permit limit is 250 tons per hour.

So far in 2017 14,000 tons of asphalt were produced (permit limit is 120,000 tons). It operated for 26 days and 110.3 hours. The mix design was 655 AA stone, 15% A stone, and 6.5% sand. The mix ratio is recorded electronically and revised every time a new mix is processed.

The required black light test (Appendix B of permit) was performed on April 17, 2017. The plant began operations this year on May 24. The required CO test was done on Oct. 2, 2017. A copy of the CO monitoring was obtained. According to the CO report the CO emissions during the test were 0.014 pound per ton of asphalt produced. This meets the permit limit of 0.18 pounds per ton. This showed compliance with the CO limit and was included in a report. There is an SSM plan that was prepared on 5/6/04 (required by permit). There is also an CO monitoring plan.

There is a log book to record maintenance activities. Spare fabric filter bags are kept onsite.

There are two roadways that are used by trucks hauling asphalt. The south one exits on US 12. The north one exits on M-86. Both are paved. During the inspection, a front loader was dumping water on unpaved areas around the plant. Very little dust was being generated by vehicular traffic. Ten mph signs were posted. No dust was being generated by stockpiles. The operator (Rick Fillmore) said that dust control was a daily activity unless it rained. They do not record dust control activities. It was mentioned to Mr. Arver that dust control activities should be recorded. Next year a chloride solution may be used for dust control.

There is an electronic database that is used to calculate monthly emissions. Emission factors based on a 2003 stack test are generally used. Some of these were slightly different so an email was sent with the 2003 emission factors to check against the database.

NAME *Dennis Dunlap*

DATE *10/30/17*

SUPERVISOR *MB 10/30/2017*