

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

B416449833

FACILITY: BOLEN ASPHALT PAVING, INC.		SRN / ID: B4164
LOCATION: 295 FAIRVIEW RD., WEST BRANCH		DISTRICT: Saginaw Bay
CITY: WEST BRANCH		COUNTY: OGEMAW
CONTACT: Matthew Bolen , Plant Supervisor		ACTIVITY DATE: 08/08/2019
STAFF: Meg Sheehan	COMPLIANCE STATUS: Non Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Scheduled site inspection for FY19. The facility was in violation of SC 15 of PTI 263-82N.		
RESOLVED COMPLAINTS:		

On August 7, 2019, a scheduled site inspection was conducted by AQD district staff at Bolen Asphalt Paving, Inc in West Branch, Ogemaw County. Matthew Bolen (Plant Supervisor) was onsite to answer questions. Site inspection activities were conducted with the intent of confirming compliance with Permit to Install (PTI) No. 263-82N. The facility was open, and the permitted activities were in operation at the time of the inspection.

### FACILITY DESCRIPTION

Bolen Asphalt Paving, Inc. is a hot mix asphalt (HMA) plant and is an existing synthetic minor source for particulate matter (PM), and a minor source of hazardous air pollutants (HAPs). The facility is located at the Glancy Sand & Gravel Pit (SRN N6355), approximately three miles north of West Branch. Another HMA plant, owned and operated by Pyramid Paving & Contracting (SRN N7271) is also located at the Glancy Pit. The address submitted with the original PTI application is listed as 295 Fairview Road. However, according to Google Earth, Bolen Asphalt is located at the end of Number 250 Road, which runs east from South Fairview Road (see map in file). The Glancy Pit is bordered by both large and small privately own tracts. Those immediately to the south of the HMA plants include residential properties.

The facility reports being constructed in 1972, and is therefore exempt from 40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities, because facilities constructed after June 11, 1973, are subject. Future modifications of the equipment may be subject to this NSPS.

### FACILITY HISTORY

No complaints are of record for the facility since 2006. No violation notices have been issued since 2009. The most recent site inspection was conducted on June 13, 2016, and the facility was found to be in compliance at that time. MAERS reports have been received in a timely manner since 2008.

### PROCESS DESCRIPTION

PTI 263-82N was issued on March 31, 1998 for a replacement of a wet scrubber with a baghouse on an existing HMA plant. The Bolen HMA plant is a drum mix asphalt plant rated at 300 tons per hour, and consists of:

- A single drum mixer
- Control house
- Primary pollution control device (knock-out pot)
- Baghouse
- Two HMA silos with load-out
- Onsite propane tank
- Asphaltic concrete storage tanks
- Aggregate feeders with associated conveyors
- Assorted storage trailers

The plant normally operates between late spring and late fall as product demand requires it.

### COMPLIANCE EVALUATION

SC 13 limits the permittee to only burning propane as fuel in the asphalt plant. Mr. Bolen confirmed during the onsite inspection that the plant is fueled by propane.

SC 14 limits the particulate emission rate from the asphalt plant to 0.10 pound per 1,000 pounds of exhaust gases. Compliance with this condition was not evaluated during the inspection.

SC 15 limits the visible emissions (VEs) from the asphalt plant to a 6-minute average of 20% opacity. Upon arrival at the plant, significant VEs were noticed coming out of the stack. Matt Karl, AQD inspector and certified Method 9 reader performed an 8-minute long VE observation. The 6-minute averages for this time period ranged from 25% to 27%, with 27% being the 6-minute average three consecutive instances. Mr. Bolen indicated he had just changed some of the bags in the baghouse on Sunday, but that a few more probably needed to be replaced as well. A Violation Notice will be issued for the excess opacity.

SC 16 limits the total combined production of virgin HMA and RAP (recycled asphalt material) containing HMA to 750,000 tons per calendar year based upon a 12-month rolling time period. SC 17.a. requires daily records of tons of HMA produced. Material usage rates are controlled from the control building, and daily production data/records are maintained in a separate building. No RAP is currently used in Bolen's asphalt production. Records were provided by Mr. Bruce Bolen on August 9 and appear to be in compliance with these conditions.

SC 17.b. requires daily records of total hours of operation and SC 17.c. requires daily records of the pressure drop across the fabric filters. Records provided indicate compliance with these conditions.

SC 18 requires stack testing if requested by the Department. No requests for testing are of record.

SC 19 requires proper installation and operation of the baghouse. The baghouse was reported to be installed and contains approximately 600 fabric filter bags, with additional kept onsite for unscheduled repairs (SC 23, Appendix A). Pursuant to SC 20, a gauge has been installed to indicate the pressure drop. The pressure drop is monitored and recorded daily. At the time of the inspection the pressure drop was 5 inches.

SC 21 requires proper disposal of collected air contaminants. Dust collected from the baghouse is reported to be returned to the drum mix using a screw auger system. No offsite disposal is required.

SC 22 requires exhaust gases from the asphalt plant be discharged unobstructed vertically upwards from a stack with a maximum diameter of 42 inches and a minimum height of 35 feet above ground level. The stack is unobstructed and reported to be approximately 42 inches in diameter and approximately 40 feet above ground level.

SC 23 requires a fugitive dust plan be implemented and maintained for all plant roadways, the plant yard, all material storage piles, and all material handling operations. Drives were noted to be paved and speed limits posted upon entry at the western property gate, and along the HMA exit drive. Various grades of sand and gravel are stored onsite and are transported from the stockpiles by front-end loaders to the aggregate feed bins. The aggregate is then transported by conveyor to the HMA drum. Mr. Bolen reported that the roads are intermittently watered by filling a front-end loader bucket with water from an onsite well and distributing the water throughout the site. Dust control records were also provided and indicate a fairly regular watering schedule.

SC 24 limits the asphalt mixture to a maximum of 30% RAP. SC 25 requires records of the amount of virgin aggregate feed and the amount of RAP feed to the drum mix asphalt plant on a daily basis. As previously stated, no RAP is currently used in Bolen's asphalt production. Production mixes are recorded on the daily operational logs which are maintained onsite. Feed rates are also continuously monitored while the plant is in operation.

SC 26 specifies that the permittee shall not use as a raw material any asbestos tailings or asbestos containing waste materials. The facility reports no asbestos containing materials are used in the asphalt production.

The facility also reports routine inspections and maintenance of the process and pollution control equipment are conducted at the end of the operating season or in the off-season.

#### COMPLIANCE DETERMINATION

At this time, Bolen Asphalt Paving, Inc. is non-compliant due to a violation of Special Condition 15 – visible emissions were observed in excess of a 6-minute average of 20% opacity. Except for this violation, the rest of the facility appears to be in general compliance with PTI No. 263-82N and all applicable rules and regulations.

NAME Meg Sheehan DATE 8/12/19 SUPERVISOR C. Bolen