

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

B416434950

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: 06/13/2016
STAFF: Sharon LeBlanc	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: scheduled site inspection for fiscal year 2016.		
RESOLVED COMPLAINTS:		

On Monday, June 13, 2016, AQD District Staff arrived onsite to conduct a unannounced, scheduled site inspection for Bolen Asphalt Paving Inc. (AKA Bolen), West Branch, Michigan (SRN B4164). The Facility is a permitted portable Hot Mix Asphalt (HMA) plant operating with two permits to install (PTIs). PTI 263-82N was approved on March 31, 1998 for a replacement of a wet scrubber with a bag house on an existing asphalt plant. PTI48-73C under the Traverse Asphalt Paving Inc. was approved for relocation of an existing HMA on October 27, 1982.

The facility is a synthetic minor opt out facility located at the Glancy Sand & Gravel Pit (AKA Glancy pit) (N6355) off of Fairview Road, West Branch, Michigan. (Map on file) This site visit was conducted with the intent of determining if facility operations were in compliance with the referenced permits.

Upon arrival, AQD staff met with Matthew Bolen, plant supervisor regarding the plant operations. Mr. Bolen provided copies of records maintained in compliance with the permit, and answered general questions. The last reported inspection of the facility was conducted on August 22, 2013.

FACILITY DESCRIPTION

The Bolen HMA Plant is located in the Glancy Pit (N6355), approximately 3-miles north of West Branch, Michigan. The physical address per the recent General PTI for the crusher operating in the Glancy Pit (approximately 585 acres) was listed as 1775 Gravel Pit Road. Previous PTI applications for facilities associated with the Glancy Pit have provided Fairview Road as the physical address. The Glancy Pit is bordered by both large and small privately owned tracts. Those immediately to the south of the HMA plants include residential properties. Also noteworthy is that a second permitted HMA plant, owned by a different company is also located onsite.

The Bolen HMA plant is a drum mix asphalt plant rated per permit at 300 tons per hour, and consists of;

- a single drum mixer,
- control house,
- primary pollution control device (knock-out pot),
- bag house (SC 19),
- two HMA silos with load-outs,
- onsite propane tank,
- asphaltic concrete storage tanks,
- aggregate feeders with associated conveyors,
- assorted storage trailers and
- four-inch diameter water well.

The bag house was reported to contain approximately 600 fabric filter bags, with additional kept onsite for unscheduled repairs [Special Condition (SC) 23, fugitive dust plan Appendix A].

The facility reports being constructed in 1972, and is therefore exempt from NSPS Subpart I requirements for plants having been constructed or modified after June 11, 1973.

Drives were noted to be paved and speed limits posted upon entry at the western property gate, and along the HMA exit drive. (SC 23 fugitive dust plan, Appendix A) At the time of the inspection, the plant had just finished operations for the day and the last load was passed on its way out of the pit.

COMPLIANCE EVALUATION

Operational Status –

The facility had just finished operation upon the inspector's arrival. The plant is operated as product demand requires it. The day's operation was limited to meet a single client's need. Personnel anticipated moving on to operate a different Bolen HMA Plant later that day. Operations for the HMA plant are seasonal, and normally start in late spring, and end in late fall.

As operations had shut down just before arrival, VE's were not able to be observed for the plant. Total production at this point in the season was reported to be approximately five thousand tons, well under the 750,000 tons allowed under the existing permit for the calendar year. (SC 16)

Material Usage Rates –

Materials for production consist of stockpiles of various grades of sand and gravel, stored on site and produced/purchased onsite. Materials were transported from the onsite stockpiles by front end loader to the aggregate feed bins and transported by conveyor to the HMA drum. No fugitive dust was noted to have been generated during equipment activities or from the various material stock piles onsite (SC23). Material usage rates were controlled from the control building, and daily production data/records are maintained in a separate building where they were reviewed (SC 16, 17 and 25).

No recycled asphalt (RAP) or asbestos containing materials are used in their asphalt production, and that no RAP has been used for a number of years (SC 24 and 26). Production mixes are recorded on the daily operational logs which are maintained onsite (SC 25).

The facility was permitted to operate on propane fuel. A review of the annual emissions report for 2015, indicates that the facility operates a diesel generator, a LPG asphalt heater and a NG rotary drum dryer/mixer.

Operational Parameters -

At the time of the inspection the HMA plant had ceased operation, and was shutting down for the day. No irregular operations had been reported for the day. The pollution control devices identified earlier in the report, have been installed (SC 19), and a differential pressure in inches of water for the baghouse was reported on the daily operational logs (SC20).

Emission Point –

The primary emission points identified during the onsite inspection included the baghouse stack and material silos/loading areas (volatiles). The stack is unobstructed, and reported to be approximately 40-ft high, and approximately 42-inches in diameter. (SC 22)

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 21)

VE observations were unable to be conducted due to the non-operational status of the plant.

Monitoring and Testing –

No monitoring and testing requirements were specified under the referenced permits.

Prevention and Maintenance Plans –

No requirements for Prevention and Maintenance Plans are specified under the existing permits for the referenced site. However, the facility reports seasonal inspection and maintenance plans for the process and pollution control equipment associated with the facility. The activities of which are conducted at the end of the season/off season.

Recordkeeping and Reporting –

As part of the site inspection, daily written records of total hours of plant operation, HMA production, pressure drop across the fabric filters, virgin aggregate and liquid feed rates, and fugitive dust activities were reviewed (SC 17 and 25). Written records consisted of summary forms which were completed manually and kept in a three ring binder onsite. The data was readily accessible onsite, with records

available for the required two-year minimum.

Summary –

The facility had just ceased operations upon arrival; therefore VE observations could not be completed. A review of records indicated that the permit required records were being maintained in compliance with the permits.

NAME Shavon LeBlanc

DATE 6/20/16

SUPERVISOR C. Stone