

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

N043631796

FACILITY: PAYNE & DOLAN INC C22		SRN / ID: N0436
LOCATION: 1135 Thumm Rd, ALBA		DISTRICT: Cadillac
CITY: ALBA		COUNTY: ANTRIM
CONTACT: Dan Verbeek,		ACTIVITY DATE: 10/15/2015
STAFF: Kurt Childs	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: 2016 FCE.		
RESOLVED COMPLAINTS:		

On 10/14/15 I conducted a compliance inspection and records review of the Payne and Dolan Warner asphalt plant located in Elmira, Antrim County. AQD has not received any complaints regarding this facility during this operating season. At the time of the inspection the weather was overcast 48 degrees F, with WNW winds at 5-10 mph.

From M-32, south of the plant, I observed a small water vapor plume from the asphalt drum stack indicating that the plant was operating. I approached the plant from the west and observed the water vapor plume was attached to the stack. There was a light white haze at the tail of the plume when observed from this side (looking into the direction of the sun). I also observed the familiar puffing of brown smoke from the plant stack at 14 second intervals. This is consistent with operation of the plant during emissions testing which took place on 9/9/2010. Viewing the plume from the east with the sun at my back, no visible emissions were present. Travelling downwind in the village of Elmira I detected level 1 asphalt odors.

I returned to the plant just as it ceased operating. I entered the plant and proceeded to the control room and met with the plant operator, Mr. Dan Verbeek. Several trucks were being loaded. There were minimal visible emissions from the loadout enclosure. Mr. Verbeek informed me that all of the plant recordkeeping has been computerized and they no longer use log books. He showed me the computer and records software and was able to display and print out the attached daily and monthly records which contain the information required by PTI 274-82BP.

According to Mr. Verbeek the plant is now only burning natural gas which is allowed under the PTI, and the used oil tank is scheduled for removal or re-use for another purpose. The plant is permitted to produce 500,000 tons of HMA each year. Records indicate 87,464 tons have been produced so far this operating season. Asphalt production is further limited to 350 tons per hour and records indicate production has been around 200 tons per hour.

This source is permitted to use recycled asphalt shingles (RAS) and recycled asphalt (RAP). Mr. Verbeek stated that RAS is not currently being used. During a walkthrough of the yard we did observe RAP storage piles including RAP prior to and after crushing. RAP/RAS usage is limited to 40% of the HMA mix combined. Records indicate RAP usage is less than 20% and no RAS was used. The mix design is not included on the daily records summary but this information is available on the plant computer for the current date and every previous date.

The records included baghouse differential pressure which was around 6". The PTI requires the dp remain between 1 and 8". Records of maintenance including the number of bags changed out for the year and blacklight tests are maintained, 107 bags were changed at the beginning of the season.

Monitoring requirements include the aggregate and RAP/RAS feed rates which are being maintained as well as periodic CO monitoring with a portable monitor. The plant was

checked with the portable CO monitor on 6/02/2015 with a result of 372 ppm. CO emissions must be less than 500 ppm.


The monthly records include monthly and 12 month rolling time period emission calculations for each pollutant including the air toxics with a limit in the PTI (see attached). These calculations are derived from the emission limits not the stack test emissions. This results in over reporting of actual emissions since the stack test emissions were all lower than the emission limits (see attached spreadsheet). In either case the source is in compliance with each of the lb/ton HMA emission limits and the recordkeeping requirement.

With regard to other emission units at the plant the Asphalt Cement (AC) tanks(3) were equipped with vapor condensation filters.

The silo loadout is enclosed and is equipped with an emission control system. The silos are also vented to the control device by a round duct that attaches to the enclosed conveyor about 1/3 the way up.

The Warner plant has an approved fugitive dust plan and the daily records contain checks for dust and sweeping and dust control application. Mr. Verbeek stated that chloride solutions are applied as needed. During the walk through of the yard the roads and yard areas were in good condition and there were no visible emissions from storage piles.

At the time of the inspection the Payne and Dolan Warner asphalt plant appeared to be in compliance with PTI 274-82BP and the Air Pollution Control rules.

NAME 

DATE 6-16-15

SUPERVISOR 