

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

A089149911

FACILITY: BARK RIVER CONCRETE		SRN / ID: A0891
LOCATION: 1397 HWY 2, BARK RIVER		DISTRICT: Upper Peninsula
CITY: BARK RIVER		COUNTY: DELTA
CONTACT: Jim VanEnkevort , Owner		ACTIVITY DATE: 08/14/2019
STAFF: Sydney Bruestle	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Onsite Inspection to verify compliance with PTI 363-07,PTI 21-03, PTI 49-90, PTI 288-75 and all other applicable state and federal air quality regulations		
RESOLVED COMPLAINTS:		

On August 14, 2019 I (Sydney Bruestle) performed an onsite inspection of Bark River Concrete Products Company located at 1397 Hwy US 2 and 41 in Bark River, Michigan. While onsite I met with Jim VanEnkevort, owner of Bark River Concrete. Mr. VanEnkevort gave me a tour of the facility, explained the permitted processes onsite, and provided me with the required records.

Facility Description:

Bark River Concrete crushes rock in a non-metallic mineral crusher, mixes the crushed material with sand and water to create cement blocks, which are sold from the site. Permitted equipment includes a concrete silo, a non-metallic mineral crusher, and 3 waste oil burners. The facility currently employs around 15 people and operates 5 days a week. At the time of my inspection the concrete silo/mixer and crusher were not operating. One of the waste oil burners has not operated in over 5 years, the other 2 only operate in the cold months.

Regulatory Information:

Bark River Concrete currently holds 4 active air permits with the State of Michigan. Below is a compliance summary of the requirements for each Permit to Install (PTI):

PTI 288-75

This PTI covers the cement storage silo, which was not operating at the time of my inspection. During operation visible emissions must be below 20%. The facility uses a water truck to reduce fugitive emissions in the plant yard.

PTI 49-90

This permit covers a waste oil furnace in the front building (closest to the office). This unit has not been operated in over 5 years. They do not plan to operate this burner during future winter seasons but they will keep the equipment onsite.

PTI 21- 03

This permit covers two 175,000 Btu/hr waste oil furnaces. These units only operate in the cold months to heat the building near the crusher. I reviewed oil usage records while onsite. The facility is tracking the amount, date, generator name, and generator location for all used oil collected from off-site locations. Each waste oil burner burns about 1.5 gal/hr. Oil usage for each month reviewed was below the permit limit of 2.3 gal/hr. Each calendar year the facility obtains a representative sample of waste oil used in the burners and submits the sample for analysis. The most recent sample was analyzed February 2, 2018. The results are shown below:

Pollutant	Concentration Limit	Actual Concentration from February 2018 sample
Arsenic	5 ppm	1.0 ppm
Cadmium	2 ppm	0.1 ppm
Chromium	10 ppm	4.0 ppm
Lead	100 ppm	1.3 ppm
Total Halogens	1000 ppm	200 ppm

PTI 363-07

This permit covers a nonmetallic mineral crusher used to crush rock to mix in cement. The facility processed 24,500 tons of material in the last 12 months, this is below the permit limit of 500,000 tons of material per 12-month time period. The crusher has water spray bars installed on all conveyors and a water truck to suppress dust from the pit. I was unable to assess whether the opacity of the crushing operation was below 10 percent because the crusher was not operating at the time of my inspection. The opacity from truck traffic and onsite storage piles was below the permit limit of 5%.

Compliance Determination:

At the time of my inspection it appeared Bark River Concrete was following the requirements of PTI 288-75, PTI 49-90, PTI 21-03, PTI 363-07, and all other applicable state and federal air quality regulations.

NAME Stephan

DATE 08-14-19

SUPERVISOR EdL