

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

D692651768

FACILITY: SUPERIOR BLOCK INC		SRN / ID: D6926
LOCATION: ISLE ROYALE SANDS, HOUGHTON		DISTRICT: Upper Peninsula
CITY: HOUGHTON		COUNTY: HOUGHTON
CONTACT: Michael Lorenzetti, Manager		ACTIVITY DATE: 12/11/2019
STAFF: Joe Scanlan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Unannounced inspection to determine compliance with PTI# 108-76		
RESOLVED COMPLAINTS:		

Superior Block is in Houghton, Houghton County, on the shore of the Portage Canal just east of the Michigan Technological University campus. This facility operates a block manufacturing facility, warehouse, and showroom that displays a large selection of building materials, tools, and fireplaces offered for sale.

The block manufacturing facility is capable of producing over 6,000 blocks per day. On average the facility produces about 500,000 blocks per year. The block manufacturing facility includes a cement silo, batch plant, concrete block machine, and 4 dry kilns.

INSPECTION

I arrived at the facility and met with owner/operator Mr. Michael Lorenzetti.

PTI# 108-76 was issued for the block manufacturing facility and a Dusty Dustless fabric filter dust collector housing 36 bags and utilizing a mechanical shaker. The Dusty Dustless unit was in use until a few weeks prior to this inspection, at which time the facility was in the process of installing a new dust collector to replace the aging Dusty Dustless unit. The new unit is manufactured by WAMGROUP, model Silotop Zero, a cartridge-style capture system with 7 cartridges that are cleaned utilizing an air jet cleaning method. The new dust collector system was not yet installed and was in the maintenance garage. This unit has a higher control efficiency than the Dusty Dustless unit.

Per PTI# 108-76:

Special Condition (SC) 9 – Requires no visible emissions greater than 20% opacity. The facility was not operating at the time of inspection.

SC 10 – Requires that PM emissions do not exceed 0.1 lbs/1000 lbs of exhaust gases. The new Silotop Zero unit has a greater control efficiency than the original Dusty Dustless unit.

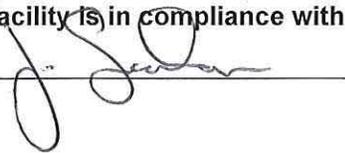
SC 11 – Requires fugitive dust control for all plant roadways and the plant yard. The facility has been operating a water truck with a 3000-gallon capacity tank with a sprayer that applies water in a 40' swath, however they are upgrading the capacity to 8000-gallons in 2020. The truck is used as needed.

The business also uses 4 dry kilns heated by 4 Johnson direct-fire boilers each rated at 1 million Btu which are permit-exempt under Rule 282(2)(b)(i).

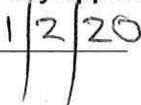
SUMMARY

The facility is in compliance with PTI# 108-76 and any applicable Michigan Air Pollution Control Rules.

NAME



DATE



SUPERVISOR

