

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Self Initiated Inspection

N763636819

FACILITY: Cross Huller dba MAG Automotive, LLC		SRN / ID: N7636
LOCATION: 2555 20th Street, PORT HURON		DISTRICT: Southeast Michigan
CITY: PORT HURON		COUNTY: SAINT CLAIR
CONTACT: James Kamon , Quality Systems & Logistics Mgr		ACTIVITY DATE: 09/13/2016
STAFF: Samuel Liveson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Self-initiated inspection of a minor source.		
RESOLVED COMPLAINTS:		

On September 13, 2016, I conducted an unannounced, self-initiated, level 2 inspection of Cross Huller, dba MAG Automotive, LLC (MAG Automotive), located at 2555 20th Street in Port Huron, Michigan. The purpose of this inspection was to determine the facility's compliance with the federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; and the Air Pollution Control Rules.

I arrived on site around 9:30 AM. I met with Mr. Bruce Hegelein, Vice President, and while on site I spoke on the phone with Mr. James Kamon, Quality Systems and Logistics Manager, who was located at the second facility location in Sterling Heights. Mr. Hegelein provided records and a walkthrough of the facility. Mr. Kamon explained operations. I provided Mr. Hegelein with my contact information and a copy of the pamphlet "DEQ Environmental Inspections: Rights and Responsibilities."

Opening Meeting

MAG Automotive produces and repairs CNC machines, primarily for the automobile industry. Although I visited the location in Port Huron, MAG Automotive's main facility is located in Sterling Heights. The Port Huron location primarily handles overflow work from the Sterling Heights location. The company typically operates one shift from 7 AM to 3:30 PM five days a week, and night operation for short periods of time as needed.

According to Mr. Kamon and from my site walkthrough, there are no emergency generators on site.

Facility Walk-Through

MAG Automotive has machining equipment throughout the facility with emissions released only into the in-plant environment. The spindle room contains additional machining equipment, and some woodworking occurs on site to construct shipping boxes. Machining and woodworking equipment appears to be exempt from obtaining a Permit to Install per R 285(l)(vi)(B).

Paint Booth – Rule 287(c)

MAG Automotive has one paint booth on site to coat bare metal parts for CNC machine production. Parts are also painted when refurbishing CNC machines. The paint booth was not in operation during my facility visit. Mr. Ed Baker, Licensed Painter, was on site to explain paint booth operation. Exhaust air exits one side of the booth through two stacks. Stacks exhaust vertically and have dampers in place. Mesh filters were in place and appeared to be snug and tight. A pressure gauge on site measures the pressure differential through the filters. Filters are changed when pressure falls out of the range of 0.04 inches water to 0.15 inches water. Extra filters are available on site.

A spray applicator with a small container attached to hold several ounces of paint is usually used. Paint may also be applied via a roller or an HVLP applicator. Lacquer thinner solvent is used for cleaning. Solvent use is recorded in monthly paint use records. Coatings are disposed by HM Environmental.

Mr. Baker provided handwritten sample paint recordkeeping for July of 2016, as well as a spreadsheet of monthly gallons of coating used from January of 2013 through July of 2016. The maximum monthly gallons of coating used were 55.5 gallons in May of 2013. The maximum monthly gallons used in 2016 were 34.5 gallons in May of 2016. The paint booth appears to be exempt from obtaining a Permit to Install per R 287(c).

Cold Cleaners

The facility has two cold cleaners, both serviced by Heritage-Crystal Clean. The solvent used is Mineral Spirits. Both cold cleaners have operating instructions posted and appear to have a surface area less than 10 square feet. One cold cleaner was in use during the facility visit. The operator had gloves and coveralls. The other cold cleaner was closed. Cold cleaners appear to be exempt from obtaining a Permit to Install per R 281(h).

Boilers

Two natural gas-fired boilers on site have a heat input of 376,000 BTU/hr, and two other natural-gas fired boilers have a heat input capacity of 684,600 BTU/hr. These boilers appear to be exempt from obtaining a Permit to Install per R 282(b)(i).

Miscellaneous Equipment

Coolant is stored in a 5,000 gallon tank and a 15,000 gallon tank that appear to be exempt from obtaining a Permit to Install per R 284(c).

Natural-gas fired pace heaters throughout the facility appear to be exempt from obtaining a Permit to Install per R 282(b)(i).

A pole barn on site contains several closed waste coolant and oil containers. Waste is disposed by HM Environmental within a 90-day period.

Compliance

The facility appears to be in compliance.

NAME 

DATE 9/28/16

SUPERVISOR SK