

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

A417860055

FACILITY: Master Precision Molds		SRN / ID: A4178
LOCATION: 1212 Fairplains, GREENVILLE		DISTRICT: Grand Rapids
CITY: GREENVILLE		COUNTY: MONTCALM
CONTACT: Mike Crandell , Vice President		ACTIVITY DATE: 09/09/2021
STAFF: Michael Cox	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Unannounced Inspection		
RESOLVED COMPLAINTS:		

AQD staff Michael Cox (MTC) conducted an unannounced inspection of Master Precision Molds located at 1212 Fairplains Street, Greenville, MI 48838. MTC arrived in the site vicinity at about 8:30 AM, Friday September 9, 2021. No facility odors or visible emissions were observed.

AQD staff initially met with Mr. Mike Crandell (Vice President). MTC announced his intention to inspect the facility in regard to applicable air quality rules and regulations. Mr. Crandell provided a facility tour. The facility provides a variety of precision molding solutions to the casting industry; it is a tool and die shop. They manufacture molds from steel, aluminum, and graphite.

Compliance Evaluation:

Master Precision Molds has a number of Computerized Numerical Cutting (CNC) machining stations, mills, drills, grinders, etc. Particulate emissions from these operations are variously controlled with local water baths, enclosures, local filtration, and (for all machines) a mechanical tri-cyclone with filtration. Cleaned emissions are released back into the plant environment. These operations are exempt per Rule 285 (2)(I)(vi)(B). Collected materials are drummed and housed in an ancillary shelter or within empty spaces of the warehouse.

Master Precision Molds has approximately four (4) plastic injection machines on site. Operations of the plastic injection machines are generally used to test parts and mold trials that are produced. These operations appear to be exempt per Rule 286(2)(b).

MTC also asked about mold release agents and parts cleaning/degreasing operations. Mr. Crandell stated that they use an aerosol can. This can was verified on site as containing a material called "ZIP" as a mold corrosion protection film. This operation appears to be exempt per Rule 287(2)(b).

A single degreaser was observed. It was closed while not in use. It provides neither

heating nor agitation. It utilizes mineral spirits which are reclaimed/managed by an outside contractor. This unit appears to be exempt per Rule 281(2)(h).

Conclusion:

Master Precision Molds appears to be in compliance with applicable state and federal air pollution control rules and regulations.

NAME Michael T. Cox

DATE 9/23/21

SUPERVISOR HH