

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

P0396

P039635998

FACILITY: Paramount Precision Products Plant 1	SRN / ID: P0396
LOCATION: 15255 W 11 MILE ROAD, OAK PARK	DISTRICT: Southeast Michigan
CITY: OAK PARK	COUNTY: OAKLAND
CONTACT: <i>JS</i>	ACTIVITY DATE: 08/05/2016
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2016 Paramount Precision Products Plant 1	SOURCE CLASS: MINOR
RESOLVED COMPLAINTS:	

P0396 - SAR - 2016 08 05

**Paramount Precision Products (Plant 1 P0396, Plant 2 A5153 and Plant 3 P097)****Plant 1 P0396: 15255 11 Mile Road, Oak Park****Plant 2 A5153: 26559 Harding Ave., Oak Park****Plant 3 P0397: 26650 Harding Ave., Oak Park**

**Rule 336.1285(I): Predominantly CNC machines with mist control systems (cyclones for recycling cutting coolant and cartridge filters for fine particulates). All particulate mist emissions released to in-plant environment. Manufacturing takes place in two of three buildings (P0396 & A5153). From Plant 3 (P0397), about August 2014, engineering offices moved to 11 Mile Road. Plant 3 is used for warehousing.**

On August 05, 2016, I conducted a level-2 self-initiated inspections of Paramount Precision Products (Plant 1 P0396, Plant 2 A5153 and Plant 3 P0397) ("Paramount") located at 15255 11 Mile Road, 26559 Harding Ave., and 26650 Harding Ave., Oak Park, Michigan. The inspections were conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994, PA 451 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

Paramount Precision Products ("Paramount") is in a machining business particularly castings using horizontal and vertical CNC machines operating in two of three plants; all manufacturing in third plant (P0397) ceased. Paramount serves predominantly automotive and oil & gas industries.

During the inspection, Mr. Rob Smith (Phone: 248-268-1214; Fax: 248-543-4350; Cell: 586-404-8385; E-mail: rSmith@pppcnc.com), Maintenance Supervisor, assisted me.

**Paramount Precision Products (Plant 1 P0396): 15255 11 Mile Road, Oak Park**

30 CNC (OKK, Mazak, HNK, and Kuroki) machines are present. Water based coolant is used in each machine to protect tools and also, incidentally, to prevent metal particulate emissions. Each machine is equipped with FX900 mist particulate control system for worker health, safety and comfort. Each mist control system consists of a centrifugal air flow cyclone that recycles coolant liquid and a cartridge filter to remove fine particles that may be discharged to in-plant environment; i.e., large mist particles are captured by the cyclone and recycled and fine mist particles are removed by the cartridge filter. No exhaust to outside ambient air. Waste coolant is disposed of and manifested according to RCRA via Usher Oil. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(I).

One hot water boiler (< 2 million BTU per hour natural gas fired) is present for office space heating.

**Paramount Precision Products (Plant 2 A5153): 26559 Harding Ave., Oak Park**

6 CNC (Mitsubishi and Kira) machines are present. Water based coolant is used in each machine to protect tools. Each of two of six machines is equipped with FX1200 mist particulate control system for worker health, safety and comfort; i.e. at this time (FY 2016) only 2 of 6 (six) machines are equipped with mist control

system. Each mist control system consists of a centrifugal air flow cyclone that recycles coolant liquid and a cartridge filter to remove fine particles that may be discharged to in-plant environment; i.e., large mist particles are captured by the cyclone and recycled and fine mist particles are removed by the filter. Waste coolant is disposed of and manifested according to RCRA via Usher Oil. Two boring mills are also present. No exhaust to outside ambient air. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285 (I).

**Paramount Precision Products (Plant 3 P0397): 26650 Harding Ave., Oak Park**

Plant 3 was used as engineering office. However, about August 2014, engineering offices moved to 11 Mile Road for better internet connections. Plant 3 building is now used mostly for storage of fixtures, spare parts and parts as well; however, maintenance staff offices are still present in this building. No manufacturing.

I did NOT detect cutting coolant odor any of three plants.

**Conclusion**

NAME J. L. Llananahall DATE 08/15/2016 SUPERVISOR CJE