

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

N744234510

FACILITY: HYDRO DYNAMICS		SRN / ID: N7442
LOCATION: 6200 DELFIELD DR., WATERFORD		DISTRICT: Southeast Michigan
CITY: WATERFORD		COUNTY: OAKLAND
CONTACT: Jon Van Son , Plant Manager		ACTIVITY DATE: 05/13/2016
STAFF: Sebastian Kallumkal	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Onsite Inspection		
RESOLVED COMPLAINTS:		

On Friday, May, 13, 2016, MDEQ-AQD Staff Sebastian Kallumkal conducted an unannounced annual inspection at Hydro Dynamics located at 6200 Delfield Industrial Drive, Waterford, Michigan. The purpose of the inspection was to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control of Natural Resources and Environmental Protection Act, 1994 Public Act 451.

I arrived at the facility at about 10:00 AM. I met Ms. Nancy Vanson, Vice President. I introduced myself and stated the purpose of the inspection. She accompanied me to the plant. I also met Mr. Jon Vanson, Plant Manager. I provided him the "DEQ Environmental Inspections: Rights and Responsibilities" Brochure.

Hydro Dynamics specializes in the rebuilding and repairing of pumps. The pumps are mostly from industrial applications including, but not limited to, sewage pumps, phosphate coating pumps, paint pumps, and vertical turbine pumps (for water or crude oil). The rebuilding process consists of disassembly, cleaning, inspection, repair and reassembly.

The facility has a small paint spray booth for coating small parts. The exhaust filters appeared to be clean and properly placed. Mr. Vanson told me that they use very small amount of coating each month. See attached paint usage records and MSDS for the coating used in the paint booth. Based on the usage and inspection of the booth, this process appears to be exempt from permit to install requirements pursuant to Rule 287(c). He also informed me that when they have large pumps, they paint it outside the booth, on the plant floor. He explained that when they paint the large pumps, they close both bay doors and turn on the wall fans. They use about half gallon of coating each time and is done only about couple of time per month. The plant area is a large room, and serves as a large booth with bay doors closed and wall vent fans running. However the vents have no particulate filters. I did not observe any paint overspray on the floor. On May 17, 2016, after discussing with the facility's assigned inspector Robert Elmouchi, AQD informed Mr. Vanson, via email that they need to install particulate filters to control particulate emissions while painting outside the booth. Mr. Vanson agreed, via email, to install filters for the vent fans. This process could be exempt from permit to install pursuant to R336.1287(c), if the particulate filters are installed and usage records are kept.

Conclusion: Based on the record review and inspection, the Hydro Dynamics appears to be in compliance with applicable air quality regulations.

NAME Sebastian KallumkalDATE 5/18/2016

SUPERVISOR

CJE