

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

A599062714

FACILITY: Medallion Instrumentation Systems		SRN / ID: A5990
LOCATION: 17150 Hickory, SPRING LAKE		DISTRICT: Grand Rapids
CITY: SPRING LAKE		COUNTY: OTTAWA
CONTACT: Peter Trzybinski , Manufacturing Engineering Manager		ACTIVITY DATE: 04/28/2022
STAFF: Chris Robinson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY'22 inspection to determine the facility's compliance status with applicable air quality rules and regulations.		
RESOLVED COMPLAINTS:		

Onsite unannounced inspection of Medallion Instrumentation Systems (Medallion, SRN A5990) conducted on April 28, 2022, by AQD staff Chris Robinson (CR). Upon arrival no visible emissions or odors were observed. CR provided staff with proper identification and informed them of the purpose of the visit which was to conduct an inspection. Peter Trzybinski is the main environmental contact, but he was out of the office during the inspection. Therefore, CR met with Jason Ladegast, Maintenance Supervisor, who provided pertinent information and a walk through of the entire facility.


Medallion assembles instrumentation, controllers, display systems and sensors for boats, RV's, ATVs, and motorcycles. Mr. Ladegast did not believe there has been any changes since the last inspection conducted in 2012.

All components are prefabricated elsewhere and assembled here. Assembly includes manual soldering and automatic soldering using either the wave soldering unit or the selective soldering unit. Soldering and plastic welding (thermal & sonic) is conducted which appears to be exempt from Rule 201 permitting requirements per Rule 285(2)(i). A poly based RTV silicon adhesive/sealant is used throughout the facility for potting and waterproofing components. Approximately 2 5-gallon buckets are used per month and less than 1 case of 10.2-ounce tubes are used per month. Each case holds 24 tubes. Therefore, worse case usage equates to approximately 12 gallons per month ((2*5 gallons) +(24tubes * 10.2oz) = 11.91 gallons). Since usage is under 200 gallons per month this process appears to be exempt from permitting per Rule 287(2)(c).

Assembled temperature sensors are tested using a heated propylene glycol bath (mix of 50/50 water) stored in a small 1-gallon tank. This process appears to be exempt per Rule 284(2)(c). The facility uses small plastic injection units for molding ends onto wire harnesses. This process appears to be exempt per Rule 286(2)(b). A small internally vented router is also used in this area which appears exempt per Rule 285(I)(vi)(B).

The maintenance area contains equipment for cutting, sanding, grinding of metal, which appears to be exempt per Rule 285(2)(I)(vi)(B) since emissions are vented to the in-plant environment. A portable welder is also present. This appears to be exempt per Rule 285(2)(i).

Based on observations and discussions Medallion Instrumentation Systems appears to be in compliance with applicable air quality rules and regulations.

NAME 

DATE 5/9/2022

SUPERVISOR 