

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

U63150491729807

FACILITY: Munro & Associates, Inc.		SRN / ID: U631504917
LOCATION: 1140 Centre Road, Auburn Hills		DISTRICT: Southeast Michigan
CITY: Auburn Hills		COUNTY: OAKLAND
CONTACT: Andrew Ventimiglia, Facilities Coordinator		ACTIVITY DATE: 06/11/2015
STAFF: Erik Gurshaw	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: Self-Initiated Inspection		
RESOLVED COMPLAINTS:		

SRN: U631504917

COMPANY: Munro & Associates, Inc.

COMPANY ADDRESS: 1140 Centre Road; Auburn Hills, MI 48326

PURPOSE OF INSPECTION: Self-Initiated

CONTACT PERSON: Mr. Andrew Ventimiglia, Facilities Coordinator (Ph: 248-362-5110 ext. 210; Fax: 248-602-4060; E-mail: andrewv@leandesign.com)

COMPANY PHONE NUMBER: 248-362-5110

On June 11, 2015, AQD staff, Erik Gurshaw, conducted a self-initiated, unannounced inspection at Munro & Associates, Inc. located at 1140 Centre Road in Auburn Hills, 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; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) Rules.

Upon arriving at the facility, AQD staff introduced themselves and stated the purpose of the visit to Mr. Andrew Ventimiglia, Facilities Coordinator. Mr. Ventimiglia indicated that Munro & Associates, Inc. operates Monday through Friday from 7:00 AM until 4:30 PM and that 45 people are employed by the company. Mr. Ventimiglia assisted AQD staff during the inspection.

Munro & Associates, Inc. is a reverse engineering consultant. Fiat Chrysler is the company's main client although it has many other international and domestic clients. Reverse engineering is a process by which a part is disassembled and the individual components within the part are weighed and analyzed. The goal of reverse engineering is to reduce the weight of a part, make the part more cost effective to produce, and to improve the quality of the part. Munro & Associates, Inc. disassembles parts, determines the weight of the individual components within a part, and analyzes the individual components of a part. Once the part has been disassembled and its individual components have been weighed and analyzed, the data is inputted into a computer program designed to help minimize production costs and to optimize the performance of the part.

The company has a milling machine, sander, drill press, lathe, grinder, band saw, table saw, a portable welder, a portable torch cutter, a portable sand blaster equipped with a particulate control filtration system, a HEC Model PW20G parts washer, and a Generac Home Standby Model 17 kW (22.78 horsepower) natural gas fired emergency generator. The metalworking machinery is used to modify parts when necessary. All of the metalworking machinery and sand blasting machine vent to the general plant environment and are exempt from Permit To Install (PTI) requirements pursuant to Rule 285(l)(vi)(B). The portable welder is exempt from PTI requirements pursuant to Rule 285(i). The portable torch cutter vents to the general plant environment and is exempt from PTI requirements pursuant to Rule 285(j). The parts washer uses Safety-Kleen 105 cleaning solvent which consists of 100% petroleum distillates, by weight. The parts washer is exempt from PTI requirements pursuant to Rule 285(r)(iv) and appeared to be properly operated and maintained during the inspection. The Generac emergency generator is used to provide electricity for the air conditioner and computer server during electrical outages. It was manufactured in 2013 and was certified as meeting NSPS Subpart JJJJ emission requirements for Reciprocating Internal Combustions Engines. The certification paperwork from Generac is attached.

Based on the inspection, it was determined that Munro & Associates is in compliance with all applicable air rules and regulations.

NAME Erik Gushaw

DATE 6/16/15

SUPERVISOR CJE