

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

N690029957

FACILITY: Quigley Industries		SRN / ID: N6900
LOCATION: 38880 Grand River, FARMINGTN HLS		DISTRICT: Southeast Michigan
CITY: FARMINGTN HLS		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 06/22/2015
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY 2015 initiated inspection of Quigley Industries, Inc.		
RESOLVED COMPLAINTS:		

N6900 - SAR 2015 06 22

Quigley Industries, Inc. Plant-1(N6900)
38880 Grand River Ave.
Farmington Hills, Michigan 48335-1526

Quigley Industries, Inc. -Plant-2 (U-63-10-0174) – closed and consolidated into N6900 as a result of 2008 economic crisis.

Phone: 248-426-8600

Fax: 248-426-5833 8607

E-mail: Carol@quigleyind.com (previously, c.quigley@quigleyind.com)

On May 29, 2013, I conducted level-2 self-initiated inspection of Quigley Industries, Inc. ("Quigley") located at 38880 Grand River Ave., Farmington Hills, Michigan 48335-1526; Quigley moved into this building in 1996. The inspection was 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; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspections, Ms. Carol C. Quigley (Phone: 248-426-8600; E-mail: Carol@quigleyind.com), Owner and President, assisted me. Also, Mr. Dave Kolliker, Maintenance Manager, assisted.

Mr. Robert Fiebing (Phone: 248-426-8600-ext. 15) Production Scheduler, and Mr. Bob Lanning (no extension), Asst. Manager, did not participate.

This plant manufactures stamped parts for transportation automotive industry; especially heavy duty trucks such as Volvo, Detroit Diesel, Navy Star, etc.

Stamping, 287(b) spray can painting

There are 15 (14 → 15 increase) stamping machines; one new stamping press machine was installed in 2012. The stamping machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l). The production painting of these stamped parts is outsourced to Midwest Finishing of Ottawa Lake and Crown Group (N0745) of Livonia since 2011; Durable Coatings of Northville went out of business in 2011. At this plant, touch up is done on the parts damaged by shipping and handling using only spray cans. The booths were taken out after fire accident; Farmington Hills Fire Dept. responded to this fire incident. Spray can paint application is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.287 (b). Spray can paint usage has substantially reduced as result of quality improvement in painting, shipping and handling.

Cold-cleaners - removed

Cold-cleaners / parts cleaners were removed in CY2008 according to Mr. Lanning. One aqueous parts washing machine with dryer is also removed in 2009 according to Mr. Fiebing. The aqueous machine had replaced solvent-based (VOC) machines.

Five welding machines - Rule 336.1285(i).

Five welding machines (4 Mig and 2 Spot) are present. Each machine has its own capture device for particulate matter emissions. The captured particulate laden exhaust gases are transported via a manifold to one baghouse installed outside the building (west side). The welding machine baghouse is equipped with one 55-gallon drum for collection of captured dust. The baghouse discharges cleaned air to outside air; filtered air is never recycled into the building. The baghouse is equipped with cartridge filters (12) with pulse-jet air cleaning (1 / week). The drum is emptied of dust once in two-three months.

Opposed to AQD policy, discharge is not vertically upwards; exhaust gases are discharged horizontally.

Acetylene (C₂H₂) and oxygen (O₂) are used in welding process to obtain high flame temperatures. Acetylene / oxygen (oxy-fuel) combustion produces flame temperature of 6,330 °F.

The welding machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(i).

East side idle dust collector - idle

One additional dust collector consisting of a cyclone and a baghouse is present on east side of the building. The east side dust collector is idle since 1996 and is not connected to any process equipment; the collector is rusty and is in serious disrepair. The east side dust collector was used by the previous occupant of the building.

Again, while the west side dust collector is operating and is serving welding machines, the east side dust collector is idle.

Ms. Carol C. Quigley stated that she shutdown all operations at Plant No. 2 located at 23890 Industrial Park Drive, Farmington Hills, due to dire economic conditions of (2008- Great Recession) and moved some operations to Plant 1 (N6900). Plant 1 operated, and is continuing to operate, without business interruption since 1996.

Conclusion:

Qugley's Plant 2 operations are permanently shutdown and consolidated into Plant 1 (N6900). Welding operations are exempt from Rule 201 pursuant to Rule 285. One of two dust collectors is idle.

NAME J. S. McNamee DATE 09/29/2015 SUPERVISOR CJE