

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

N2226
FY 2018 Insp

N222644531

FACILITY: MARKETING DISPLAYS INC		SRN / ID: N2226
LOCATION: 38271 W TWELVE MILE RD, FARMINGTN HLS		DISTRICT: Southeast Michigan
CITY: FARMINGTN HLS		COUNTY: OAKLAND
CONTACT:		ACTIVITY DATE: 04/03/2018
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: FY 2018 inspection of Marketing Displays, Inc. ("Marketing" or "MDI")		
RESOLVED COMPLAINTS:		

Marketing Displays, Inc. (N2226)
38271 West 12 Mile Road
Farmington Hills, Michigan 48331-3041

Phone: 248-488-5680 or 800-228-8925
Fax: 248-488-5740
www: mdiWorldwide.com

Voids: Permit-to-Install Nos. 619-89 (04/04/2002) for Screen Printing & 619-89A (04/04/2002) for Screen Printing Exhaust. Both permits were issued to SRN N2226 at 24528 Indoplex Dr., Farmington Hills.

N2226: According to permit cards and MACES, by 2011, SRN N2226 is reassigned from 24528 Indoplex Dr., Farmington Hills, to 38271 West 12 Mile Road, Farmington Hills.

On April 03, 2018, I conducted a level-2 self-initiated **FY 2018 inspection** of Marketing Displays, Inc. ("Marketing" or "MDI"), Marketing Display Products and Traffic Control Products manufacturing company, located at 38271 West Twelve Mile Road, Farmington Hills, Michigan 48331-3041. 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 and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Mr. Ed Parkyn (Phone: 248-488-5769; Cell: 734-837-3580; E-mail: eParkyn@mdiWorldwide.com), Maintenance Supervisor, and Mr. Jim Raymo (Phone: 248-488-5767/5740; E-mail: jRaymo@mdiWorldwide.com), Maintenance and Repair, assisted me. Mr. Joseph Motyka (Phone: 248-488-5640/5730; E-mail: jMotyka@mdiWorldwide.com), Director of Operations (promoted from Facilities Engineer) was not present.

About March 30, 2018, Mr. Art Seiter (Phone: 248-488-5680/5740; E-mail: aSeiter@mdiWorldwide.com), Director of Operations, retired. Mr. Motyka replaced Mr. Seiter as Director of Operations.

Mr. Collin Mosley (Ph: 248-488-5743; Fax: 248-488-5740; E-mail: cmosley@mdiworldwide.com), Director of Operations, separated about January 2013. Ms. Jackie Perry (248-488-5793), Graphics Supervisor / Planner, joined Purchasing about 2012. Ms. Tonya Dibble (248-488-5798), HR Assoc., is not involved with safety anymore.

W. 12 Mile location is corporate head quarters (HQ). Marketing display products are manufactured at this location and all manufacturing is consolidated at W. 12 Mile upon shutting down Indoplex Dr. facility (about 2010). MDI is in business for 54 years (since 1964) and moved to W. 12 Mile in 1990.

Silk-screening process was shutdown in June 2010 upon moving to W. 12 Mile from 24528 Indoplex Dr., Farmington Hills. Silk-screen process was eliminated and was replaced by Digital Printing at 12 Mile Road.

Wood / metal cutting machine

One CNC router (occasionally wood, mostly metal cutting machine) is present. The router is equipped with a ventilation system to capture saw dust and wood / metal chips and with an air pollution control device (APCD) consisting of a cyclone and a fabric filter arranged in series.

One 55-gallon drum is present for the cyclone. But dust from the bags falls in to a separate container upon shaking bags. Bags are manually shaken to clean them of dust. 40 bags (each 10 ft. tall and 5 inches diameter) are present.

Exhaust air, upon cleaning using the APCD, is released into the in-plant environment. These processes are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(2)(I).

Machines

One (one of two removed in 2016) metal bending and two (2) punching machines and a laser etching machine result in practically no particulate emissions; there is no ventilation on these machines. Two new LVD Strippit (V20-1225) machine for punching, cutting and bending metal sheets are installed. LVD Strippit 098-A performs forming using a die. LVD machines have no exhaust.

Pultrusion holes drilling

One pultrusion holes drilling machine (installed about 2016) is preset. Particulate emissions are captured and ducted to one Torit (Vertiv) dust collector with bags. Upon filtration, exhaust gases are released to in-plant environment. No HEPA filter.

Pultrusion holes drilling machine is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(2)(I).

Pultrusion holes cutting

One pultrusion cutting machine (installed about 2016) is preset. Particulate emissions are captured and ducted to one Donaldson Torit dust collector with two cartridges. Pulse-jet compressed air is used for cleaning cartridges and dust is collected in 20-gallon hopper. Exhaust from Donaldson Torit collector is further cleaned using a HEPA filter system. Upon HEPA filtration, exhaust gases are released to in-plant environment. HEPA filter removes finer particles for health, safety and comfort of employees.

Pultrusion cutting machine is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(2)(I).

Misc. solvents

There is no parts-cleaner or cold-cleaner or degreaser at this location.

About 20-30 gallons per month of isopropyl alcohol (IPA) is used for cleaning displays. Two 55-gallon IPA drums are present.

Paint spray booth

About 2010, the paint spray booth was removed. All maintenance painting is now done using brushes.

Graphic arts business closed about 2012.

SRN N2226

Permits Cards database had mixed up two facilities: one in Farmington Hills (Oakland County) and one in Grant Township (Mason County). Both facilities were listed under SRN N2226. By 2011, the PrmtCrds database was corrected but N2226 was assigned to 38271 West 12 Mile Road location. Previously, N2226 corresponded to 24528 Indoplex Dr., Farmington Hills. For the sake of database integrity, a given SRN should be padlocked to its address.

Conclusion

Silk-screening is eliminated as MDI moved from Insoplex Dr. to 12 Mile (World HQ). The Permits Cards database was corrected resolve SRN N2226 conflict but reassigned to W. 12 Mile. The paint spray booth is removed. MDI meets all conditions of Rule 285.

NAME J. S. Mcenanahall . DATE 5/31/2018 SUPERVISOR Joyce B.

