

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

U63141186433911

FY 2016 Insp -

FACILITY: Firebolt Group, Inc.	SRN / ID: U631411864
LOCATION: 28059 Center Oaks Court	DISTRICT: Southeast Michigan
CITY: Wixom	COUNTY: OAKLAND
CONTACT:	ACTIVITY DATE: 03/11/2016
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance
SUBJECT: FY 2016 inspection of Firebolt Group, Inc.	SOURCE CLASS:
RESOLVED COMPLAINTS:	

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Firebolt Group, Inc. (U-63-14-11864)
28059 Center Oaks Court
Wixom, Michigan 48393-3347

Name change: TecArt Industries, Inc. (U-63-14-11864) → Firebolt Group, Inc. (U-63-14-11864) due to merger of Estrakon and TecArt. About April 2014, Diversified Machine, Inc. (DMI) moved out due to acquisition and consolidation. About July 2014, Firebolt Group, Inc. moved in upon the merger.

Permit-to-Install: Rules 285 exempt process equipment.

On March 11, 2016, I conducted a level 2 self-initiated inspection of Firebolt Group, Inc. ("Firebolt"), located at 28059 Center Oaks Court, Wixom, Michigan 48393-3347. 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 FY 2016 inspection, Ms. Kimberly Perrigan (Phone: 248-624-8880-ext. 100; Fax: 248-624-8066; Cell: NA; E-mail: Kim.Perrigan@Firebolt-Group.com), CFO, and Mr. Tony Lobaito (Phone: 248-624-8880-ext. 401; Fax: 248-624-8066; Cell: NA; E-mail: Tony.Lobaito@Firebolt-Group.com), Plant Manager, assisted me.

The purpose of inspection was to inspect a company that occupied the building that was previously occupied by Diversified Machine, Inc. ("DMI"). About April 2014, DMI moved out due to the acquisition and Firebolt moved in due the merger about July 2014. This information is obtained from Mr. Steve Kozak (Phone: 248-948-9000; Cell: 248-505-1676) of Signature Assoc.

Estrakon, a display company of Ann Arbor, purchased TecArt Industries of Wixom and formed Firebolt Group. Upon the merger (about July 2014), Firebolt moved into this Wixom building. Firebolt is a manufacturer of point-of-purchase signs, LED and digital displays.

Cutting and grinding machines, silk-screening, digital printing, etc., equipment are installed to manufacture displays and signs. Large bag filters are installed to control particulate matter. Firebolt uses acetone, IPA, and other solvents for cleaning purposes. All filtered exhaust is released to in-plant environment. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

Four saws with large bags

Four saws, which cut cardboard, aluminum, plastic, acrylic, polycarbonate, etc., sheets, are installed and operating. Each saw is equipped with a portable capture device that captures particulate emissions using vacuum and ducts to a filter system. All filtered exhaust is released to in-plant environment. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l).

Five CNC routers

Five multicam 3000 series CNC routers are installed and operating. Each CNC machine is equipped with a portable capture device that captures particulate emissions using vacuum and ducts to a 2-bag filter system. Each capture device is associated with a two-bag (30 gallons per bag, 60 gallons total) filter system. The captured particulates from each capture device drop into a hopper that has 30-gallon plastic bag. Filtered exhaust air is released to in-plant environment. The machines are exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.1285(l). However, heat from the machines is vented to outside ambient air.

Filter System: Grizzly Industrial Model G 1030Z2P Polar Bear Series, 3HP Dust Collector.

Silk-screen and digital printing machines

One screen printing machine is present. The machine is now practically idle because two replacement digital printing machines handle all printing needs. The silk-screen machine may be replaced in future. Silk-screening cannot match quality of digital printing.

The silk-screen machine is exempt from Rule 336.1201 (Permit-to-Install) pursuant to Rule 336.287(e).

Solvents

Small quantities of miscellaneous solvents such as acetone, IPA (isopropyl alcohol) are used (about 2 gallons per month). The solvents are used for cleaning purposes. There is no solvent degreaser (e.g. Safety-Kleen).

Diversified Machine, Inc. ("DMI")

Previously (before April 2014), DMI occupied this building. DMI is manufacturing company specializing in powertrain components and safety critical auto-frames. About April 2013, Platinum Equity, LLC, merged Diversified Machine, Inc. and SMW Automotive, Inc. into Chassix, Inc., which is involved in casting and machining. DMI owned ten (10) manufacturing facilities; Chassix consolidated all operations. Chassix headquartered in Southfield operates a plant in Warren: 23300 Blackstone Ave., Warren MI 48089.

Conclusion

Plastic, metal cutting, silk-screening, wood cutting, etc. machines are from Rule 336.1201 per Rule, 285 as properly designed operated filter systems are installed. About April 2014, DMI moved out. About April 2014, Diversified Machine, Inc. moved out.

NAME J. Stenman DATE 03/25/2016 SUPERVISOR CTE