

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection

N726340098

FACILITY: Formtech Industries LLC Fraser		SRN / ID: N7263
LOCATION: 18450 15 MILE ROAD, FRASER		DISTRICT: Southeast Michigan
CITY: FRASER		COUNTY: MACOMB
CONTACT: Ron Parrish, Operations Manager		ACTIVITY DATE: 05/19/2017
STAFF: Tyler Salamasick	COMPLIANCE STATUS: Compliance	
SUBJECT: Compliance evaluation		SOURCE CLASS: MINOR
RESOLVED COMPLAINTS:		

### Background

Formtech Industries, LLC. of Fraser, is an automotive cold steel forging and machining facility located at 18450 15 Mile, Fraser, MI. There is a residential area located approximately 575 ft north of the facility. Formtech also has light industry located to the northeast, east, south and west of Formtech. The manufacturing facility was inspected on Friday, 5/19/17, by Robert Joseph, Environmental Engineer and Tyler Salamasick, Environmental Quality Analyst of the Michigan Department of Environmental Quality, Air Quality Division. The intent of the inspection was to determine the facility's compliance with the Federal Clean Air Act Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended and Michigan's Air Pollution Control Rules. Formtech does not currently hold a permit to install with the MDEQ Air Quality Division and reportedly operates under MDEQ Air Quality permit to install exemption Rules 278 through 291.

### Inspection

We arrived on site at approximately 10:30am. Upon meeting, we presented our State of Michigan identification cards, and informed the facility representative of the intent of our inspection. We were permitted onto the site. Ron Parrish, Formtech's operations manager and Brian Cicillian, maintenance manager showed us the facility. Ron informed us that the facility had recently been acquired by American Axel and had been undergoing some management changes. This recent acquisition does not currently appear to directly affect the processes at the facility. Ron had mentioned one significant change that had occurred since my last inspection; Formtech added a small building expansion around a dust collector (see Inspection Report N726335544 from 7/13/2016). The dust collector is a pollution control device that controls metallic dust emissions from an associated steel shot peening machine. This structure (indicated in photos) helps manage potential metallic dust that is collected at the base of the dust collector's hopper. This is a significant improvement in the prevention of fugitive dust emissions potentially generated during waste handling. In addition to the structure, the waste metal is collected and contained in sealed drums prior to being shipped to a waste handling facility. These drums appear to be an effective method in the prevention of fugitive emissions during short term storage of the waste (see pictures). The steel shot peening equipment has a mechanical precleaner built in, prior to the dust filter. This process appears to meet permit exemption **R 336.1285(2)(l)(vi)(C)** which states...

...(2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following: ...

...(l) The following equipment and any exhaust system or collector exclusively serving the equipment: ...

...(vi) Equipment for carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, sand blast cleaning, shot blasting, shot peening, or polishing ceramic artwork, leather, metals, graphite, plastics, concrete, rubber, paper board, wood, wood products, stone, glass, fiberglass, or fabric which meets any of the following: ...

(C) Equipment that has externally vented emissions controlled by an appropriately designed and operated fabric filter collector that, for all specified operations with metal, is preceded by a mechanical precleaner.

Both Brian and Ron showed us the other manufacturing areas which included a press area and a machining area. The press area was located in the back section of the facility. These presses appear to meet the permit exemption **R 336.1285 (2)(l)(i)** which states...

...(2) The requirement of R 336.1201(1) to obtain a permit to install does not apply to any of the following: ...

...(l) The following equipment and any exhaust system or collector exclusively serving the equipment:

(i) Equipment used exclusively for bending, forming, expanding, rolling, forging, pressing, drawing, stamping, spinning, or extruding either hot or cold metals. ...

The CNC machines also appeared to meet exemptions from MDEQ rule 201 requirements. These CNC machines appear to meet the exemption **R 336.1285(2)(l)(vi)(B)**. This condition requires the processes are vented indoors, and it appeared that all of Formtech's CNC machines meet this condition.

Conclusion

It appears that Formtech in compliance with the Federal Clean Air Act Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act of 1994, PA 451, as amended and Michigan's Air Pollution Control Rules.

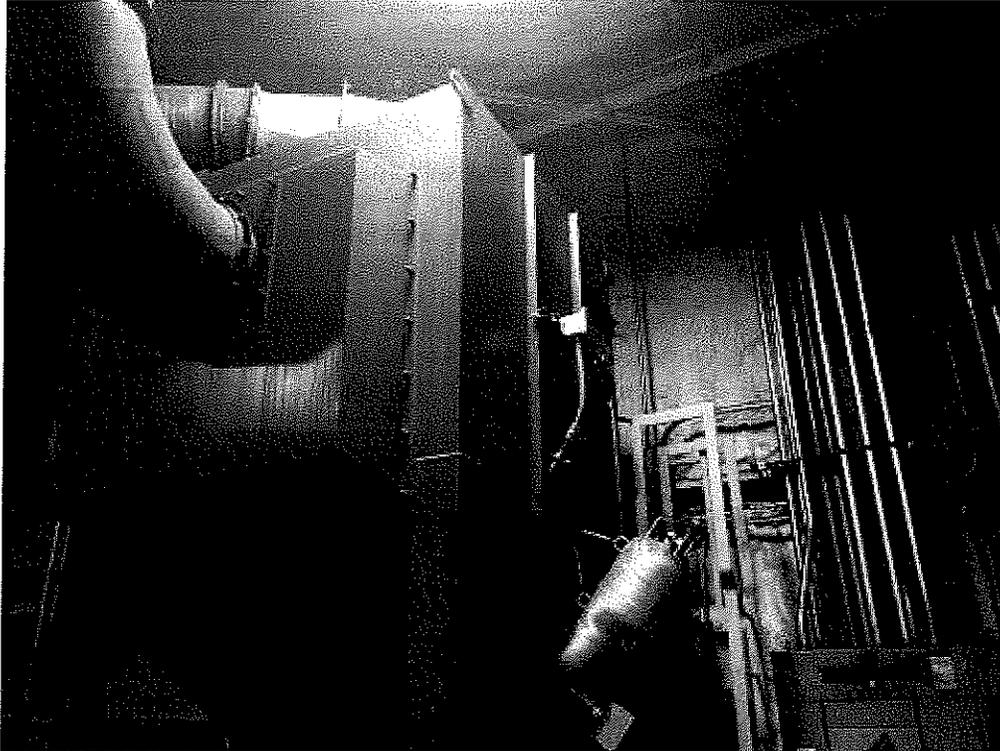
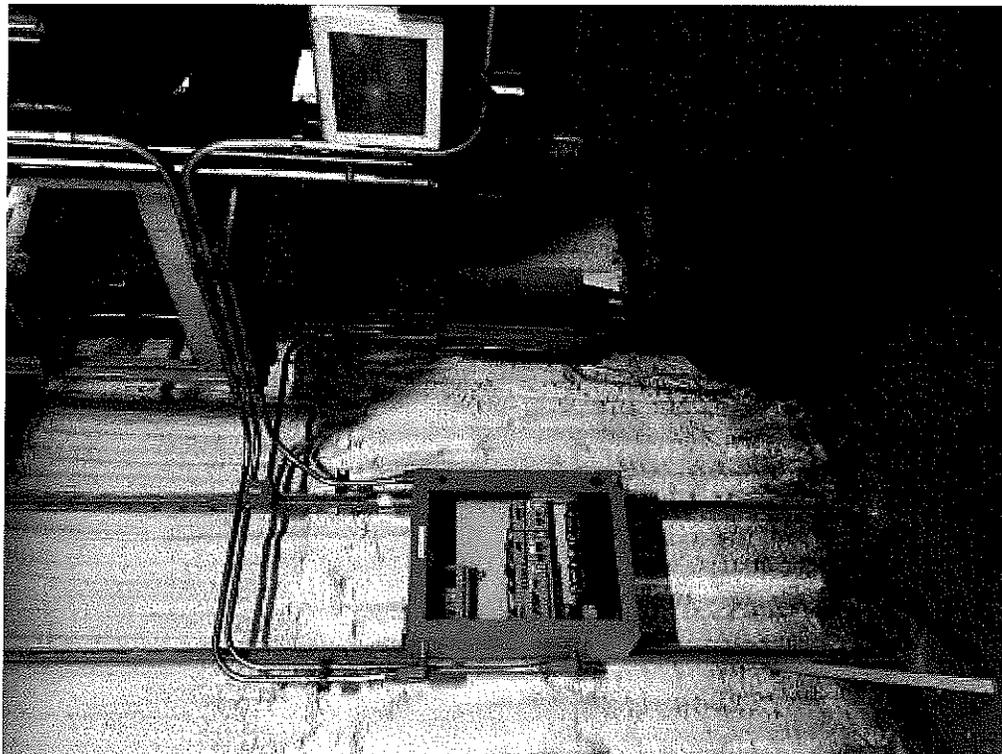


Image 1(Dust collector) : Image also showed flame suppression system.



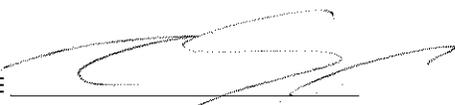
**Image 2(Side View Dust)** : Alternative view.



**Image 3(Control Panel)** : Control panel that will automatically shut down the steel shot blast if a malfunction is detected in the bag house.



**Image 4(Barrel Storage) :** Barrels being temporarily staged prior to removal..

NAME 

DATE 6/7/17

SUPERVISOR SIC