

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

B708432405

FACILITY: M & S SPRING CO		SRN / ID: B7084
LOCATION: 34137 DOREKA, FRASER		DISTRICT: Southeast Michigan
CITY: FRASER		COUNTY: MACOMB
CONTACT: George Fournier , Plant Manager		ACTIVITY DATE: 11/05/2015
STAFF: Samuel Liveson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled inspection of a minor source. Report revised 12-21-2015 with corrected facility contact.		
RESOLVED COMPLAINTS:		

On Thursday November 5, 2015, I conducted an unannounced, scheduled, level 2 inspection of M & S Spring Company, located at 34137 Doreka Drive in Fraser, Michigan. The purpose of this 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, 1994 PA 451, as amended.

I arrived on site around 2:20 PM. I met with Mr. George Fournier, Plant Manager. Mr. Fournier provided a site walkthrough and explained facility operations. I provided Mr. Fournier with my contact information and a copy of the pamphlet "DEQ Environmental Inspections: Rights and Responsibilities."

Opening Meeting

M & S Spring Co. machines springs, clips, and fasteners. There are also four natural-gas fired curing ovens on site. Raw equipment arrives as rolls of coils of various grades of steel and leaves in the shape of a useful metal part. The company has 15-20 employees, and operates from 7:00 AM to 5:00 PM Monday through Friday.

Facility Walk-Through

M & S Spring Co. primarily performs machining operations on steel parts. Machining equipment includes thirty kick presses, several punch presses, several electrically-powered power coilers, and grinding operations. Most machines vent to the general in-plant environment and are exempt from obtaining a Permit to Install per R 285(l)(vi)(B). Several machines involved in grinding operations emit to ambient air with emissions controlled by a Donaldson Torit dust collector. The dust collector is new. According to Mr. Fournier, it replaced the previous unit on January 21, 2015. Emissions appear to contact a metal precleaner before traveling to twelve self-cleaning filters. The unit includes a manometer to read the pressure difference caused by filters. During the inspection, the manometer read 1.7 inches of water. Filters are replaced as needed. Equipment venting to ambient air appears to be exempt from obtaining a Permit to Install per R 285(l)(vi)(C).

The facility includes four natural-gas fired curing ovens for heat treating: two pizza ovens rated at 50,000 BTU/hr, a Quincy oven rated at 150,000 BTU/hr, and a hardening furnace rated at 180,000 BTU/hr. These ovens vent to the general in-plant environment and are exempt from obtaining a Permit to Install per R 282(a)(i).

A metal container about a foot in diameter contains oil to quench small springs. According to Mr. Fournier, no oil has been purchased in 2015. This oil is rarely used because almost all

required quenching is performed off-site. This equipment appears to be exempt from obtaining a Permit to Install per R 290(a)(ii)(B).

If required by a client, rust inhibitor may be applied to springs via aerosol spray cans. This operation appears to be exempt from obtaining a Permit to Install per R 287(b).

According to Mr. Fournier and from the site walkthrough, there do not appear to be cold cleaners, boilers, or emergency generators on site.

Compliance

Based on the AQD inspection, it appears that M & S Spring Co. is in compliance with the federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

NAME



DATE

12/21/15

SUPERVISOR

CJE