

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

B180124430

FACILITY: CHRYSLER GROUP LLC, STERLING STAMPING PLANT		SRN / ID: B1801
LOCATION: 35777 VAN DYKE, STERLING HTS		DISTRICT: Southeast Michigan
CITY: STERLING HTS		COUNTY: MACOMB
CONTACT: Dinesh Dhamsania, Environmental Specialist		ACTIVITY DATE: 03/05/2014
STAFF: Usama Amer	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: Inspection of an Synthetic Minor Source		
RESOLVED COMPLAINTS:		

On March 5, 2014, I conducted a Level 2 Scheduled Inspection at Chrysler Sterling Heights Stamping Plant (facility), located at 35777 Van Dyke, Sterling Heights, Macomb County. The purpose of the inspection was twofold:

- 1) To determine the facility's compliance with Federal and State Air Acts, the Michigan Department of Environmental Quality/Air Quality Division (DEQ/AQD) rules, and the conditions of PTI N. 411-99
- 2) To train a new AQD staff, Mr. Sam Liveson

Mr. Peter Herrington and Mr. Dinesh Dhamsania represented the facility during the inspection.

FACILITY INFORMATION:

- The facility was built in 1963 and started the auto body stamping operations in 1964. It manufactures auto body components, such as: hoods, fenders, hood inner structures, doors, body panels, left gates, roofs, etc. It does not conduct any coating operations, nor has major stacks.
- The facility is divided into 3 major areas:
 - 1) Blanks
 - 2) Forming (Press Room)
 - 3) Assembly & Shipping. These areas run from north to south.
- Hot water is used for steel washing prior to production operations, where 3 natural gas fired boilers are used to heat the washing water.
- Natural gas is mostly used for heating the source's buildings and offices. There's only one main natural gas flow meter to track the usage on a monthly basis.
- The facility has one maintenance spray paint booth. Racks, carts, and other equipment are painted in the said booth. Water-base paints are used in the booth. Their usage is tracked on a monthly basis. Attachment B.1
- The facility applies adhesives/sealants to steel sheets prior to spot welding to prevent any movement or rubbing. MSDS forms of sealants are available in the source's file. Their usage is tracked on a monthly basis. Attachment B.2
- Currently, the facility runs 3 shifts/day and 6 days/week.

PTI No. 411-99:

- An opt-out PTI for facility wide natural gas usage limitation.

* S.C. # 1 – stipulates that the natural gas usage not to exceed 1,200 million ft³/year, based of a 12-month rolling time period as determined at the end of each calendar month.

- The highest natural gas usage of 190 million ft³, based of a 12-month rolling time period as determined at the end of each calendar month, was reported for December, 2013. Attachment A

* S.C. # 2 – stipulates that the NO_x emission rate not to exceed 60 tpy, based of a 12-month rolling time period as determined at the end of each calendar month.

- The highest NOx emission rate of 9.53 tpy, based on a 12-month rolling time period as determined at the end of each calendar month, was reported for December, 2013. Attachment A

* S.C. # 3 – stipulates that the CO emission rate not to exceed 50.4 tpy, based of a 12-month rolling time period as determined at the end of each calendar month.

- The highest CO emission rate of 8.00 tpy, based on a 12-month rolling time period as determined at the end of each calendar month, was reported for December, 2013. Attachment A

CONCLUSION:

The facility is operating in compliance with Federal and State Air Acts, the Michigan Department of Environmental Quality/Air Quality Division (DEQ/AQD) rules, and the conditions of PTI N. 411-99.

NAME W. Sam Amer DATE 3/6/14 SUPERVISOR CJE