DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection FY 2015 Insp-

N700227801

FACILITY: Owens Corning - Automotive Market Development		**SRN / ID:** N7002
LOCATION: 46500 Humboldt Drive, NOVI		**DISTRICT:** Southeast Michigan
CITY: NOVI		**COUNTY:** OAKLAND
CONTACT:		**ACTIVITY DATE:** 11/13/2014
STAFF: Iranna Konanahalli	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** SM OPT OUT
SUBJECT: FY 2015 scheduled level 2 inspection of Owens Corning Composite Materials, Inc.		
RESOLVED COMPLAINTS:		

N7002 - SAR - 2014 11 13

Owens Corning Composite Materials, Inc. (N7002)
OC Automotive Division
46500 Humboldt Drive
Novi, Michigan 48377-2434

Phone 248-388-1084
ROP Opt-out PTI No. 203-01A dated April 24, 2002
PTI Voids: 203-01 (4/24/2002)

On October November, 2015, I conducted a **scheduled** level 2 inspection of Owens Corning Composite Materials, Inc. ("the company" or "Owens Corning" or "OC"), OC Automotive Division, located at 46500 Humboldt Drive, Novi, Michigan 48377-2434. 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; Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) rules; and PTI No. 203-01A (ROP Synthetic Minor).

During the FY 2015 inspection LaRue Burrell (Phone: 248-668-7624; Mobile: 248-388-0995; E-mail: LaRue.Burrell@ownenscorning.com), Facility Technician, assisted me. Mr. Steve Gilson (Phone: 248-379-2817 – cell; E-mail: steve.gilson@cbre.com), Building Engineer, Technical Services, CB Richard Ellis, Inc. (CBRE), 2000 Town Center, Suite 500, Southfield, MI 48075, was also present. Mr. Burrell supervises Mr. Gilson.

During the FY 2015 inspection, Mr. James A. Singer (Phone: 248-668-7626; Mobile: 248-388-1084), Lead Maintenance Engineer with BTE, was not present. Building Technology Engineers (BTE), BTE of North America, LLC, are facilities management contractors.

About 2008, CB Richard Ellis, Inc. (CBRE), a commercial real estate services firm, bought BTE.

Mr. Robert D. Colvin (502-261-9064-ext. 227), EHS Leader for Owens Corning, separated from Owens in 2009.

Owens Corning is primarily a Research and Development (R&D) facility with light production of automobile exhaust insulation products. Owens Corning decided use Silentex Process for production and hence obtained the ROP opt-out (ROP Synthetic Minor) permit (PTI No. 203-01A) with 9.0 (single) /22.5 (aggregate) HAP limits; Silentex Process emits styrene although it has not been used recently. However, Silentex production process is located in Louisville, Kentucky. Owens Corning operated Louisville facility from 2010 thru 2012. About 2012, OC sold Louisville facility. Once again, Silentex Process at Novi facility is used only for R&D and light industrial production.

On November 13, 2014, LaRue stated that OC does NOT store and use styrene anymore.

Pursuant Rule 336.1283, the following R&D processes exist:

1. Silentex Process: It involves filling polyolefin plastic bags with glass fibers for sound insulation of mufflers; occasionally mufflers are directly filled with glass fibers. A cyclone followed by a filter pad must be used to control emissions. Production Silentex Process is located at Louisville, Kentucky, which was recently (about 2012) sold. However light industrial production is done. 3 pleated filter systems are present to control particulate emissions (PTI No. 203-01A, SC 1.4); no cyclone is present. No visible emissions from Sientex process (PTI No. 203-01A, SC 1.2). During FY 2014 inspection, Silentex Process for the day / break.

2. One Sheet Molding Compound (SMC) Research Line: Mixers for styrene and glass fibers. This is styrene, CAA HAP, emissions source. The process was removed in 2010.

3. One Sheet Molding Compound Laboratory. The process was removed in 2010.

4. One structured reaction injection molding research unit: Iso and Poly are mixed and molded. The unit was not operated for 8 years. The process was removed in 2010.

5. One wire coating research process: Extruder glass fibers are coated with a composite material; no VOC. Ran once in CY2007. The process was removed in 2010.

6. One resin transfer molding research unit. The process was removed in 2007.

7. One natural gas fired curing oven: 1 million BTU per hour heat input. The oven is still present. But the oven is locked out since 2012.

Silentex process, if production ran, was expected to use 800 pounds of glass fiber per hour. It would be styrene emissions source. Hence, Owens Corning, obtained the opt-out permit. During the FY 2015 inspection Silentex process is running on light production mode (idled for the day).

Miscellaneous

No parts cleaner, emergency generator, paint spray booth.

Conclusion

Owens Corning at Novi is primarily a R&D facility, which may be sold as soon as a buyer is found. Now light production is done (FY2014). Styrene is neither stored nor used.

NAME JS Cavanaugh DATE 11/18/2014 SUPERVISOR CTE