

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

A404351676

FACILITY: Dow Silicones Corporation		SRN / ID: A4043
LOCATION: 3901 S Saginaw Rd, MIDLAND		DISTRICT: Saginaw Bay
CITY: MIDLAND		COUNTY: MIDLAND
CONTACT: Jennifer Kraut , Air Specialist		ACTIVITY DATE: 12/12/2019
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MEGASITE
SUBJECT: FGPEM&BLR		
RESOLVED COMPLAINTS:		

DOW Silicones/MDEQ-AQD staff present during the inspection:

- Gina McCann (MDEQ-AQD, Senior Environmental Quality Analyst)
- Jennifer Kraut (Air Specialist, DOW MiOps)
- Matt Miner (THROX Engineer, DOW Silicones)
- Rob Siebert (Utilities Engineer, DOW Silicones)

InTec previously owned this asset and in 2012 DOW Corning acquired it. The plant has not operated since then and has been moth balled. There is current discussion to start up again, however the design will be different. The plant is in the design phases of the project and will submit a permit application if the project goes through.

When the emission unit operated, it accepted trichlosilane waste to recover chlorine and HCl to be put back into the process. A synthetic gas was produced as a by-product, which supplement the natural gas stream in EUBOILER2515. EUBOILER2515 produced steam for various processes. Quartz was the solid waste made. The permit describes it as an electrically powered plasma arc gasifier known as a "plasma enhanced melter (PEM)" with ancillary equipment. The most recent PTI for this emission unit is PTI No. 175-09A.

I did visit the building where the equipment is housed. The trichlor stock feed line has been air gapped. I also viewed the synthetic gas and natural gas lines that were air gapped and lines were also closed. The control room is now an office space.

NAME Gina P. McCann

DATE 12/19/19

SUPERVISOR C. Stone