

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

A404343888

<b>FACILITY:</b> Dow Silicones Corporation		<b>SRN / ID:</b> A4043
<b>LOCATION:</b> 3901 S Saginaw Rd, MIDLAND		<b>DISTRICT:</b> Bay City
<b>CITY:</b> MIDLAND		<b>COUNTY:</b> MIDLAND
<b>CONTACT:</b>		<b>ACTIVITY DATE:</b> 11/08/2017
<b>STAFF:</b> Kathy Brewer	<b>COMPLIANCE STATUS:</b> Compliance	
<b>SUBJECT:</b> FGTHROX		<b>SOURCE CLASS:</b> MEGASITE
<b>RESOLVED COMPLAINTS:</b>		

**On site inspection coordinated with THROX stack test. Records were reviewed for March and August 2017 for the following**

Process walkthrough of equipment including verification of environmental meter operations. Permit required records including operations, emissions and instrumentation maintenance.

Parameter/Condition	FGTHROX Special Condition	Compliant
NOx 36 tpy	I.1	Yes
CO 90 tpy	I.2	Yes
PM10 13.4 tpy	I.3	Yes
PM 10 3.5 lb/hr	I.4	Yes
PM10...100 lb/month	I.6, VI 12.e.,f.,g.	Yes
^Combustion chamber Temp	VI.9	Yes
^Wet gas flow	VI.5	Yes
^Dry gas flow	VI.5	Yes
^Throx exhaust gas flow	VI.6	Yes
IWS exhaust flow rate	VI.12.d	Yes
Silicone loading	VI.12.b	Yes
IWS 1 <sup>st</sup> stage Kv 10 minimum	IV.1	Yes
IWS 2 <sup>nd</sup> stage Kv 15 minimum	IV.1	Yes
IWS 2 <sup>nd</sup> stage mA 50 mAmps minimum	IV.1	Yes
IWS packing recycle rate 324 gpm per stage	IV.1	Yes
Throx vent outages	VI.13	Yes

^ Monitoring required, compared to most recent stack test conditions and Veratis efficiency parametric monitoring plan.

AQD & Dow MiOps staff also discussed updates to the FGTHROX and FGSITESCRRUBBERS Malfunction Abatement Plan. Improvements include the addition of MeCl vent header monitoring and target CEMS span range for NOx.

At the time of the inspection the facility appeared in compliance with all areas evaluated.

Records provided are attached

NAME 

DATE 11/9/17

SUPERVISOR 