



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
BAY CITY DISTRICT OFFICE



LIESL EICHLER CLARK
DIRECTOR

October 31, 2019

Ms. Karen Mann, EH&S Responsible Care Leader
The Dow Chemical Company
1790 Building, Washington Street
Midland, Michigan 48674

SRN: A4043, Midland County

Dear Ms. Mann:

VIOLATION NOTICE

On October 17, 2019, the Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), conducted an inspection of Dow Silicones Corporation located at 3901 South Saginaw, Midland, Michigan. The purpose of this inspection was to determine Dow Silicones Corporation's compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the Air Pollution Control Rules; and the conditions of Renewable Operating Permit (ROP) number MI-ROP-A4043-2019.

During the inspection, staff observed the following:

Process Description	Rule/Permit Condition Violated	Comments
FGSITESCRRUBBERS	MI-ROP-A4043-2019, FGSITESCRRUBBERS, SC III.3: The permittee shall not bypass EUTHROX when operating SV2703-011 unless SV2703-011 is routed to the control equipment specified in EU2703-03 and the control equipment is installed, maintained, and operated in a satisfactory manner.	An interlock was installed to vent to EUTHROX, which does not allow SV2703-011 to route to the vent compressor 22790 and vent condenser 22795, the control equipment specified in EU2703-03.
EU2703-03	MI-ROP-A4043-2019, EU2703-03, SC III.4: The permittee shall not operate EU2703-03 unless the emission control train, consisting of vent compressor 22790, vent condenser 22795, and either scrubber 9390 A or B, is installed and operating properly.	Installed control equipment under exemption R285(2)(f), while having conflicting conditions under FGSITESCRRUBBERS

On February 14th, 2019, AQD staff inspected EU2703-03 and the associated SV2403-011. EU2703-03 consists of vent compressor 22790 and vent condenser 22795. In 2018, emissions

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from EU2703-03 were not vented to vent compressor 22790 or vent condenser 22795. The plant had installed an interlock to vent to the THROX instead, under permit exemption R285(2)(f). However, in order to use exemption R285(2)(f), the plant must be able to comply with the exclusion from exemption R278(4), which says the exemptions in R336.1280 to R336.1291 apply to the requirement to obtain a permit to install only and do not exempt any source from complying with any other applicable requirement or existing permit limitation.

On October 17, 2019, AQD staff inspected FGSTESCRUBBERS which has the existing permit limitation SC III.3 of FGSITESCRUBBERS, that restricts SV2703-011 from bypassing EUTHROX unless SV2703-011 is routed to the control equipment specified in EU2703-03 and the control equipment is installed, maintained, and operated in a satisfactory manner. The plant does not have the ability to route to the control equipment specified in EU2703-03.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by November 21, 2019 (which coincides with 21 calendar days from the date of this letter). The written response should include: the dates the violations occurred; an explanation of the causes and duration of the violations; whether the violations are ongoing; a summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place; and what steps are being taken to prevent a reoccurrence.

Please submit the written response to EGLE, AQD, Bay City District, at 401 Ketchum Street, Bay City, Michigan 48708 and submit a copy to Ms. Jenine Camilleri, Enforcement Unit Supervisor at EGLE, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760.

If Dow Silicones Corporation believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

Thank you for your attention to resolving the violations cited above and for the cooperation that was extended to me during my inspection of Dow Silicones corporation. If you have any questions regarding the violations or the actions necessary to bring this facility into compliance, please contact me at the number listed below.

Sincerely,



Gina L. McCann
Senior Environmental Quality Analyst
Air Quality Division
989-439-2282

cc: Ms. Jenny Kraut, Dow
Ms. Mary Ann Dolehanty, EGLE
Dr. Eduardo Olaguer, EGLE
Ms. Jenine Camilleri, EGLE
Mr. Christopher Ethridge, EGLE
Mr. Chris Hare, EGLE