

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Other

N079551553

FACILITY: Viant Medical Inc.		SRN / ID: N0795
LOCATION: 520 Watson SW, GRAND RAPIDS		DISTRICT: Grand Rapids
CITY: GRAND RAPIDS		COUNTY: KENT
CONTACT: Bryan Curry, VP of QA and Regulatory Affairs		ACTIVITY DATE: 12/03/2019
STAFF: April Lazzaro	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Recordkeeping evaluation and basis for October 29, 2019 Violation Notice. Includes input from AQD toxicologists and modeling unit.		
RESOLVED COMPLAINTS:		

AQD Grand Rapids staff, April Lazzaro requested information required by Permit to Install No. 605-89B, Special Condition 1.8 as well as the valid photoionization detector (PID) data for the months of April-September 2019. Upon receipt and review of that information, the AQD learned that a ¼ inch carbon steel plug in the scrubber referred to as the Chemrox scrubber had corroded and fallen out some time between June 19, 2019 and July 11, 2019. Viant staff repaired the scrubber the same day, however a review of the process and emissions data provided by the company indicated an increase in emissions of 10-15 pounds over a 22-day time period. The total days where the Chemrox scrubber operated without the plug is unknown but is believed to be less than 23 days. Operation of the scrubber without the plug as a result of corrosion, leading to uncontrolled emissions, is a violation of Rule 910. Rule 910 requires that an air-cleaning device shall be installed, maintained and operated in a satisfactory manner and in accordance with these rules and existing law. No permit emission limits were exceeded during this time and the overall control efficiency remained above State and Federal requirements. A Violation Notice was issued to Viant Medical, Inc. on October 29, 2019 for failure to properly maintain air pollution control equipment.

On July 9, 2019 Viant conducted a perimeter sampling for ethylene oxide as part of a proposed compliance plan related to an enforcement action. The ethylene oxide concentration ranged from 0.27 µg/m³ to 1.8 µg/m³ (the highest value was downwind of the facility). This sampling was performed before the corroded carbon steel plug was replaced and therefore is a good indicator of the ambient emissions from the facility. The highest concentration of ethylene oxide measured was 1.8 µg/m³, measured directly downwind of the emission source and on the company property. This level of ethylene oxide would not pose a concern for short-term or long-term non-cancer health effects but is higher than the cancer health-based value. This level is a concern for increased cancer risk to the population over a 70-year lifetime exposure to ethylene oxide.

NAME April Lazzaro

DATE 12-3-19 SUPERVISOR [Signature]