



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
DETROIT



C. HEIDI GREYER
DIRECTOR

December 11, 2017

Mr. Biren Saparia
Field Service Director
Great Lakes Water Authority
Central Services Facility – North Administration Building
6425 Huber Street
Detroit, Michigan 48211

SRN: N8268, M4839, M4842, M4843,
M4840, K5392, M4844, Wayne County

Dear Mr. Saparia:

VIOLATION NOTICE

On July 14, 2017, the Department of Environmental Quality (DEQ), Air Quality Division (AQD) conducted inspections of facilities that are operated by the Great Lakes Water Authority (GLWA). Specifically, DEQ AQD staff visited the Schoolcraft Pump Station, located at 30365 Schoolcraft Road in Livonia (SRN N8268); the Wick Pump Station, located at 32280 Wick Road in Romulus (SRN M4839); the Conner's Pump Station, located at 12244 East Jefferson Avenue in Detroit (SRN M4842); the Freud Pump Station, located at 12300 Freud in Detroit (SRN M4843); the Joy Road Pump Station, located at 43127 Joy Road in Canton Township (SRN M4840); the Northeast Wastewater Pumping Pump Station, located at 11000 East Eight Mile Road in Detroit (SRN K5392); and the Bluehill Pump Station, located at 17145 Mack Avenue in Detroit (SRN M4844).

The purpose of these inspections was to determine GLWA'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 administrative rules; and the terms and conditions of Permits to Install (PTI) that have been issued to these facilities.

As a result of these inspections, DEQ AQD staff noted the following:

| Process Description | Rule/Permit Condition Violated | Comments |
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| Two diesel fuel-fired engines at the Schoolcraft Pump Station (N8268). | PTI No. 94-09, Special Condition (SC) 1.11; | Records of the amount of diesel fuel used in the engines are not being kept, as required by the PTI. |
| Two diesel fuel-fired engines at the Wick Pump | PTI No. 253-99B, SCs VI.1, and VI.3; | Records of the calculation of nitrogen oxides (NOx) |

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| Station (M4839). | | emissions from the engines (SC VI.1), and records of the amount of diesel fuel used in the engines (SC VI.3) are not being kept, as required by the PTI. |
| Four diesel fuel-fired engines at the Conner's Pump Station (M4842). | PTI No. 260-99B, SCs VI.1, and VI.3; | Records of the calculation of NOx emissions from the engines (SC VI.1), and records of the amount of diesel fuel used in the engines (SC VI.3) are not being kept, as required by the PTI. |
| Four diesel fuel-fired engines at the Freud Pump Station (M4843). | PTI No. 259-99B, SCs VI.1, and VI.3; | Records of the calculation of NOx emissions from the engines (SC VI.1), and records of the amount of diesel fuel used in the engines (SC VI.3) are not being kept, as required by the PTI. |
| Two diesel fuel-fired engines at the Joy Road Pump Station (M4840). | PTI No. 255-99B, SCs VI.1, and VI.3; | Records of the calculation of NOx emissions from the engines (SC VI.1), and records of the amount of diesel fuel used in the engines (SC VI.3) are not being kept, as required by the PTI. |
| Seven diesel fuel-fired engines at the Northeast Wastewater Pumping Station and Northeast Water Treatment Plant (K5392). | PTI No. 111-06, SCs 1.4, 1.5, 1.6, and 1.8; | The diesel fuel usage rate is not being monitored (SC 1.4), the required calculations are not being calculated (SC 1.5), records of the calculation of NOx emissions from the engines are not being kept in a satisfactory manner (SC 1.6), and records of the amount of diesel fuel used in the engines are not being kept (SC 1.8), as required by the PTI. |

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| Three diesel fuel-fired engines at the Bluehill Pump Station (M4844). | PTI No. 252-99B, SCs VI.1, and VI.3; | Records of the calculation of NOx emissions from the engines (SC VI.1), and records of the amount of diesel fuel used in the engines (SC VI.3) are not being kept, as required by the PTI. |
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All of the GLWA facilities addressed in this notice have been issued PTIs that address the installation and operation of diesel fuel-fired engines at each of these facilities. These PTIs serve to place federally enforceable conditions on the operation of the engines. Each of the PTIs includes specific conditions that limit the potential emissions of NOx from the operation of the engines to below major source thresholds. The limits in the PTIs serve to opt their respective facilities out of the major source requirements of Title V of the Clean Air Act. These PTIs include requirements that the permit holder (GLWA) maintain specific information, identified in the permit conditions, to demonstrate that the operation of the engines at each of these facilities is in compliance with the terms and conditions of the PTIs. Among these are the requirement to track and keep records of the amount of diesel fuel that is being used by the engines at each of the facilities, and the requirement to calculate and keep records of the NOx emissions associated with the use of these engines. GLWA is currently not complying with these requirements.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by January 1, 2018. The written response should include: the dates that 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.

If GLWA 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.

Mr. Biren Saparia
Page 4
December 11, 2017

Thank you for your attention to resolving the violations cited above and for the cooperation that was extended to me during my inspections of the GLWA facilities. 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,



Stephen Weis
Senior Environmental Engineer
Air Quality Division
313-456-4688

cc: Mr. Paul Max, City of Detroit BSEED
cc/via e-mail: Mr. Majid Khan, GLWA
Ms. Lynn Fiedler, DEQ
Ms. Mary Ann Dolehanty, DEQ
Mr. Christopher Ethridge, DEQ
Mr. Thomas Hess, DEQ
Ms. Wilhemina McLemore, DEQ
Mr. Jeff Korniski, DEQ