



July 20, 2020

Reference No. 11208136

Mr. Tim Walsh
Acting Regional Director
New York State
Department of Environmental Conservation
Region 8-Division of Air Resources
6274 Avon-Lima Road
Avon, NY 14414

Dear Mr. Walsh:

**Re: Ambient Monitoring Work Plan – Dudley/Northside Elementary School Campus
Monthly Report (April 1, 2020 through April 30, 2020)
High Acres Landfill**

On April 30, 2019, GHD submitted a Revised Surface Emission Monitoring and Ambient Monitoring Work Plan (Work Plan) to the New York State Department of Environmental Conservation (NYSDEC) for the Waste Management of New York LLC (WMNY), High Acres Landfill and Recycling Center located in Perinton, New York (Facility or Site). This submittal serves to provide NYSDEC with a discussion of work and monitoring activities that occurred during the month of April 2020 at the Dudley/Northside combined campus.

Initial Equipment Installation

On September 3, 2019, GHD commenced work activities at the Site¹. There was one Acrulog hydrogen sulfide (H₂S) monitoring unit installed at the following location:

| Station Name | Unit Serial Number | Last Calibration Date ² |
|------------------------------------|--------------------|------------------------------------|
| School Monitoring Station (School) | 171000376 | January 16, 2020 |

The Acrulog unit, which consists of the monitoring equipment enclosed within a weather shelter, was padlocked to a mounting bracket. The Acrulog unit was hung from an apparatus placed on top of the roof. In order to assess whether tampering of the unit has occurred, a camera (Wildgame Innovations Cloak Pro Lights Out Trail Camera) was placed approximately 20 feet away on an exhaust pipe penetrating through the roof. The camera unit is motion activated and will snap a 12 megapixel picture upon detection of motion (at 15 second intervals). The camera has "night-vision" lenses that allow for pictures to be taken during night-time hours.

¹ The 2019-2020 school year commenced on the morning of September 4, 2019.

² According to manufacturer, a calibration of the instrument should occur every six months.



Acrulog Data Download

The Acrulog unit was placed into logging mode (began taking samples) on the afternoon of September 3, 2019. On the mornings of April 10, 2020, and May 1, 2020, Mr. Benson Chen (GHD) visited the school monitoring station. An initial inspection of the monitoring station and the surrounding area was performed. Next, the Acrulog unit was linked to a laptop via Bluetooth connection and the monitoring data was downloaded. After downloading the monitoring data, the connection was terminated and the Acrulog unit was checked to ensure that the equipment was continuing to log samples every ten minutes.

Next, the pictures from the camera unit which are stored on an SD card, were downloaded onto a laptop and the SD card was placed back into the camera.

Summary of Collected Monitoring Data

A preliminary review of the data provides the following:

- Between April 1, 2020 and midnight on April 30, 2020, a total of 4,317 measurements of H₂S were taken
- Of the total of 4,317 readings taken, 4,317 were below detection
- NYSDEC's ambient standard for H₂S is 10 ppb for a 1-hour average (6 NYCRR Subpart 257-10)

The on-site meteorological data at the Site for the weeks of April 1, 2020 through April 30, 2020 is provided in Attachment 1.

Ambient average concentrations of H₂S typically range from 0.11 to 0.33 ppb (Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profile for Hydrogen Sulfide and Carbonyl Sulfide).

The raw data for each monitoring station during the period of April 1, 2020 through April 30, 2020 is provided as Attachment 2 to this report.

Summary of Landfill Activities

Operational activities occurring during the month of monitoring included the following:

- Leachate extraction
- Operations and maintenance
- Transportation, filling, compaction and cover of typical volumes of waste received by rail and truck
- Typical volumes of landfill gas extraction and combustion in flare and engine plants
- Composting
- Cell 13a area construction/related
- Cell 11 Mid 2 construction activities
- First quarter surface emissions monitoring event



We appreciate your assistance in this process. We plan to issue reports every month going forward until the completion of work activities. Please feel free to contact us if you have any questions, if you would like any clarifications, or additional information.

Sincerely,

GHD

A handwritten signature in black ink that reads "Steven D. Wilsey". The signature is written in a cursive style with a large, prominent initial "S".

Steven D. Wilsey
Principal

A handwritten signature in black ink that reads "Bryan P. Szalda". The signature is written in a cursive style with a large, prominent initial "B".

Bryan P. Szalda
Engineer

SDW/BPS/cs/4

Encl.