

September 27, 2019
File No. 02219702.00

Mr. Tom Farrell, Manager
Division of Solid Waste Enforcement
New Jersey Department of Environmental Protection
9 Ewing Street
Trenton, New Jersey 08625-0420

Mr. Jeffrey Meyer, Manager
Division of Air Enforcement
Bureau of Air Compliance and Enforcement
New Jersey Department of Environmental Protection
7 Ridgedale Avenue
Cedar Knolls, New Jersey 07927

Subject: September 25 and 26, 2019 Monitoring Station Data
Keegan Landfill
New Jersey Sports and Exposition Authority
Permit Activity Number: EIP190001
EA ID#: NEA 190001-13317

Dear Mr. Farrell and Mr. Meyer:

On September 25 and 26, 2019, NEXA, on behalf of the New Jersey Sports and Exposition Authority (NJSEA), notified the NJDEP hotline (1-877-WARNDEP) via phone that hydrogen sulfide (H₂S) gas measurements in excess of 30 ppb over a 30-minute period (rolling averages) were recorded at monitoring station MS-2 at the Keegan Landfill (see Attachment 1). NJSEA made these notifications, as required under the NJDEP-approved Monitoring Action Plan and Reference #11 of the subject Permit, for raw data collected from MS-2 on September 25 and 26, 2019 (see Attachment 2). We provide discussion and analysis of the data recorded at MS-2 below.

MONITORING STATION MS-2

The 30-minute rolling average H₂S concentration at Monitoring Station MS-2 was in excess of 30 ppb between 10:45 and 10:54 pm on September 25, 2019; and between 12:00 am and 1:54 am, at 6:36 am and between 7:33 am and 7:57 am on September 26, 2019 (see raw data in Attachment 2). The hydrogen sulfide concentration, average wind speed and wind direction measured during the period of the exceedances are provided in Attachment 3. The average wind speed and wind direction was 1.6 mph and 228 degrees (i.e., from the southwest). The wind direction and MS-2 are shown on a map of the site. The nearest potential receptor is approximately 3,000 feet from the monitoring station (see Attachment 4).

The cause of the emissions from Monitoring Station MS-2 appears to be uncontrolled emissions from the Landfill. There was no corrective action implemented in accordance with the Odor Control Plan as the overnight exceedances returned to less than 30 ppb within approximately two hours. The



September 27, 2019

Page 2

exceedances that occurred the morning of September 26, 2019 were investigated by SCS personnel. There were no specific sources in the vicinity of MS-2 determined to be the cause of the odors.

The landfill gas collection and control system (GCCS) installation is complete and commenced operation on September 5, 2019. During the initial operation period of the GCCS, the system is being continuously monitored and adjusted. It will take time to balance the system to ensure efficient collection of landfill gas and to address specific exceedances at the monitoring stations.

Please call either of the undersigned with any questions or comments.

Sincerely,



Christine H. Stokes
Project Manager
SCS Engineers



Lisa K. Wilkinson, PE
Project Director
SCS Engineers

cc: G. Lugo, NJDEP (electronic copy)
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Due to large size of this file, attachments are not posted but are available upon request by emailing info@njsea.com

