

September 15, 2020
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 13, 2020 Monitoring Station Data
Keegan Landfill
New Jersey Sports and Exposition Authority
Facility ID#: 13317

Dear Mr. Farrell and Mr. Meyer:

On September 13, 2020, 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 parts per billion (ppb) over a 30-minute period (rolling averages) were recorded at monitoring station MS-4 at the Keegan Landfill (see Attachment 1). NJSEA made these notifications as required under the NJDEP-approved Monitoring Action Plan.

SEPTEMBER 13 DATA

We have been monitoring the data from station MS-4 over the past few weeks due to elevated readings at this station. We note that, until September 13, there were no exceedances of the 30 ppb over a 30-minute period (rolling average).

The 30-minute rolling average H₂S concentration at Monitoring Station MS-4 was in excess of 30 ppb between 7:48 pm and 8:15 pm on September 13, 2020 (see NEXA notifications in Attachment 1 and 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 2. There were two periods with individual readings greater than 10 ppb and one period with individual readings of 110 ppb. The wind direction is generally from the southeast and towards the Landfill during the periods of elevated readings and the wind speed varies from 2 to 6.6 miles per hour (mph). Therefore, the H₂S concentrations measured at MS-4 at the time of the exceedance do not appear to be attributable to the Landfill. The wind direction and location of MS-4 are shown on a map of the site in Attachment 3.



INVESTIGATION AND ADDITIONAL DATA AT MS-4

As previously mentioned, we have been analyzing the monitoring data at MS-4 due to elevated readings at this station.

As an example, the Daily Air Monitoring Report and Daily H₂S Readings at MS4 for August 26 are provided in Attachment 4. The maximum H₂S concentration is 5 ppb with variable winds from the west and west-southwest.

In response to the increase in concentrations, we initiated an investigation due to the potential that the Landfill was the source. NJSEA reported that the leachate collection system had been offline for a period prior to the increasing concentrations due to a power outage and damaged electrical equipment. NJSEA also reported that the leachate pump station manhole had been opened on August 25 and 26 for repairs and the elevated readings could have been attributed to the open manhole. The operation of the gas collection system and nearby collectors were also confirmed and did not indicate an issue.

The Daily Air Monitoring Report and Daily H₂S readings at MS4 for September are summarized in the table below.

Date	Maximum 30 Min. H ₂ S Concentration (ppb)	Time	Wind Direction	Wind Speed Range (mph) ⁽¹⁾
9/1/2020	3.7	18:26	SE	2.6-6.0
9/2/2020	3.0	14:34	S	0.6-3.3
9/3/2020	5.3	15:11	WSW	4.2-7.4
9/4/2020	5.3	16:30	W	4.4-8.9
9/5/2020	5.7	15:09	W	2.2-7.7
9/6/2020	6.0	15:58	SE	4.8-7.3
9/7/2020	4.0	17:01	SE	2.5-6.3
9/8/2020	6.8	16:52	SE	2.6-6.0
9/9/2020	3.8	16:04	SE	1.0-2.9
9/10/2020	3.0	14:58	SW	1.3-3.8
9/11/2020	4.7	18:00	ENE	1.8-3.1
9/12/2020	3.0	12:01	ENE	3.2-5.0

(1) Wind speed range over the 30-minute averaging period for the Maximum 30-minute H₂S Concentration reporting.

Generally, the wind is not coming from the direction of the Landfill at the time of the maximum 30-minute H₂S concentration. We also note that there are generally higher concentrations on the days with higher winds. We would expect lower concentrations on days with higher winds as odors would be dispersed unless the wind is possibly carrying the odor from a point source location. Additionally, the increased readings occur in the afternoon to early evening hours and before the landfill gas collection system was installed higher H₂S concentrations were typically observed in the early morning hours when wind speeds were low.

ACTIONS BY NJSEA

On September 9, NJSEA checked the area in and around MS-4 for the potential source of the increased readings. There were no odors observed coming from the southeast landfill sideslope or the nearby leachate pump station; and, there were no landfill cover issues observed. NJSEA did observe numerous idling trucks at the freezer company to the southeast side of the Landfill and low water levels in the adjacent marsh.

Regardless of the potential source of the H₂S concentrations measured at MS-4, NJSEA will complete the following activities by the end of next week:

- Increase vacuum to the landfill gas collectors in the southeast corner of the Landfill today and monitor and adjust again tomorrow as necessary.
- Place additional soil to the southeast top area of the Landfill. Approximately 150 loads are expected to be placed today.
- Startup and operate the enclosed flare on a continuous basis to replace operation of the two open flares.
- Confirm operation and removal efficiency of the sulfur treatment vessels.
- Perform surface emissions monitoring (SEM) of the southeast corner of the Landfill; the perimeter road; and, the surrounding area for potential odor sources in the late afternoon and early evening hours when the increased readings are observed.
- Further investigate potential odors at the leachate pump station in the vicinity of MS-4.
- Perform a functional test of the Jerome meter installed at MS-4 to confirm proper operation.

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 I
SCS Engineers

cc: A. Fontana, NJDEP (electronic copy)
T. Marturano, NJSEA (electronic copy)
A. Levy, NJSEA (electronic copy)
C. Sanz, NJSEA (electronic copy)
J. Stewart, Lowenstein (electronic copy)
G. Castano, Castano Quigley (electronic copy)
L. Lim, NJDEP (electronic copy)

September 15, 2020

Page 4

B. Farbanish, NJDEP (electronic copy)

J. Mattessich, NJDEP (electronic copy)

R. Clark, NJDEP (electronic copy)

Attachment 1

From: [Nexa](#)
To: csanz@njsea.com; [Wilkinson, Lisa](#); cwu@emilcott.com; [Ayers, Christine](#)
Subject: Order For (8005117069) 2020-09-13 08:36PM
Date: Sunday, September 13, 2020 8:37:31 PM

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.



New Jersey Sports & Exposition Authority

9/13/2020 8:37:24 PM

IN: 09/13/20 08:00 PM (E1JBE)

MONITORING STATION #: **MS-4**

TIME 1ST EMAIL RECEIVED: **7:48 PM**

PPB: **42.00**

TIME RELAYED: **8:07 PM**

INCIDENT #: **20-09-13-2002-21**

NEXA ASSOCIATE NAME: **ELISE**

RELAYED TO OPERATOR #: **93**

TIME LAST ALERT RECEIVED: **8:15 PM**

HIGHEST PPB FOR MS: **59.167**

TIME RELAYED: **8:36 PM**

INCIDENT #: **N/A**

NEXA ASSOCIATE NAME: **ELISE**

RELAYED TO OPERATOR #: **35**

1) 09/13/20 08:02 PM E1JBE Dial DEP (DEPARTMENT OF ENVIRONMENTAL PROTECTION) 8779276337,,2 dialed DEP

2) 09/13/20 08:07 PM E1JBE Set Delay Action 015 (2777978)

3) 09/13/20 08:11 PM E1JBE Set Delay Action 015 (2777978)

4) 09/13/20 08:16 PM E1JBE Set Delay Action 015 (2777978)

5) 09/13/20 08:35 PM E1JBE Dial DEP (DEPARTMENT OF ENVIRONMENTAL PROTECTION) 8779276337,,2 dialed DEP

6) 09/13/20 08:37 PM E1JBE Auto Script CALL COMPLETED

7) 09/13/20 08:37 PM *EM Email OK: OFFICE EMAIL, api@nexa.com

8) 09/13/20 08:37 PM API API Email csanz@njsea.com

9) 09/13/20 08:37 PM API API Email lwilkinson@scsengineers.com

10) 09/13/20 08:37 PM API API Email cwu@emilcott.com

11) 09/13/20 08:37 PM API API Email cstokes@scsengineers.com

This message is confidential. It may also be privileged or otherwise protected by work product immunity or other legal rules. If you have received it by mistake, please let us know by e-mail reply and delete it from your system; you may not copy this message or disclose its contents to anyone. Please send us by fax any message containing deadlines as incoming e-mails are not screened for response deadlines. The integrity and security of this message cannot be guaranteed on the Internet.

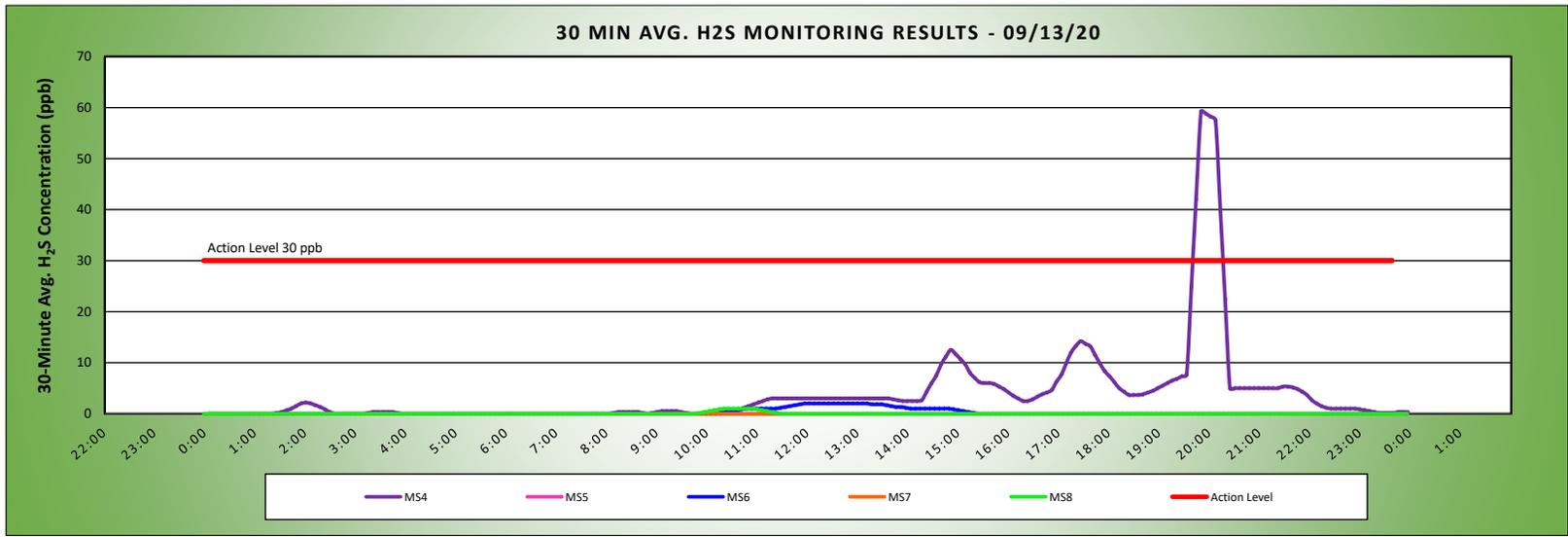
Attachment 2

Keegan Landfill Monitoring Project 	DAILY AIR MONITORING REPORT AT OR NEAR PROPERTY LINE Keegan Landfill Monitoring Stations Kearny, New Jersey				09/13/20	
	Field Operations					
	Page 1 of 1 Submitted By:				Rev. No. 0	
	30 Minute Avg H₂S Action Level				30 ppb	

Weather Data Range from Full Weather Station		Wind Direction	S	Relative Humidity (%)	62.6 - 80.6	Daily Rain (in)	0.00	Landfill Perimeter Monitoring
Temp (°F)	61.3 - 76.1	Wind Speed (MPH)	0.2 - 8.6	Barometer (inHg)	30.08 - 30.33			

*Note: Wind Direction reported in the direction that it is coming from

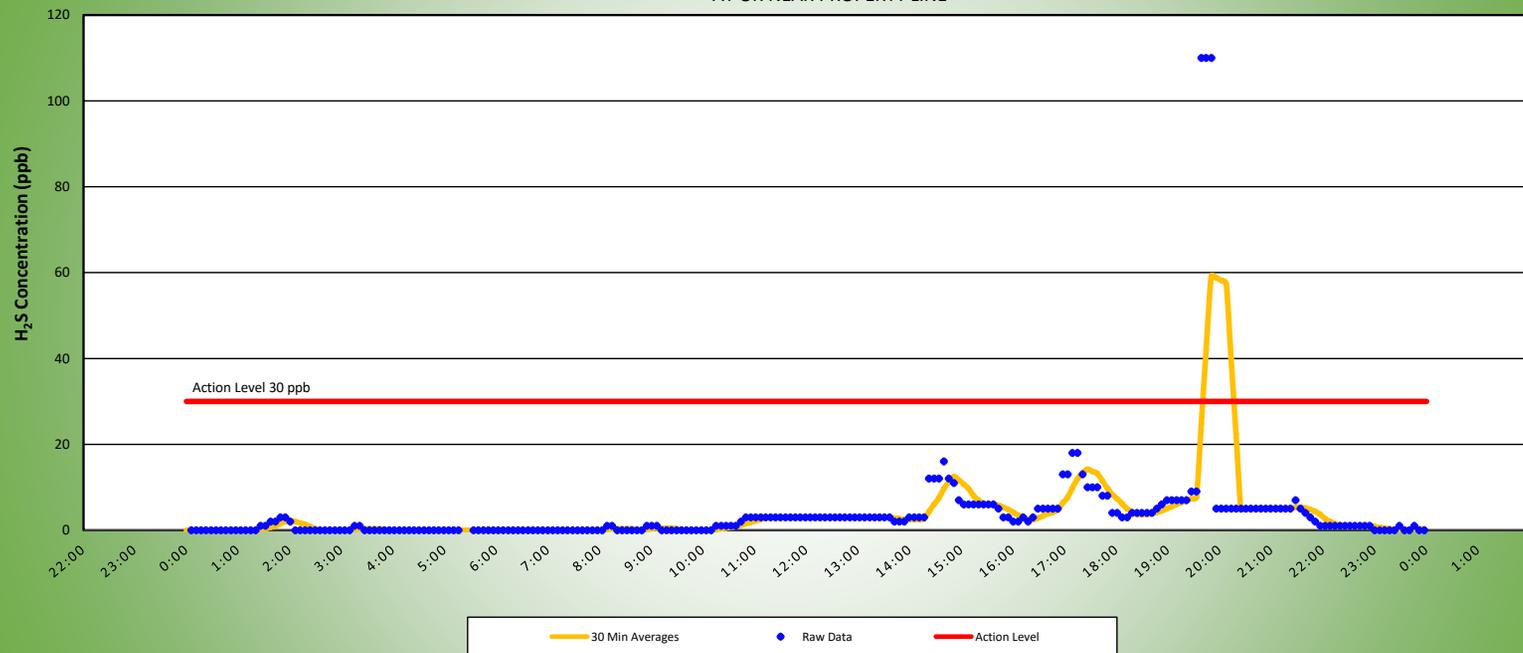
Station Location Area	Work	Daily Avg. 30 Min H ₂ S Concentration (ppb)	Max 30 Min H ₂ S Concentration (ppb)	Time of Max 30 Min H ₂ S Reading	Corresponding Wind Direction
MS-4		4.0	59.2	19:50	SE
MS-5		0.0	0.0	0:03	SE
MS-6		0.3	2.0	11:56	S
MS-7		0.0	0.0	0:03	NE
MS-8		0.0	1.0	10:19	SSE



Air Monitoring Notes:



MS4 H2S MONITORING RESULTS - 09/13/20
AT OR NEAR PROPERTY LINE



Daily H ₂ S Readings at MS4 - Keegan Landfill Monitoring			
Date/Time	MS-4 -- Hydrogen Sulfide (ppb)	Wind Speed (mph)	Wind Direction
9/13/20 0:05	0	0.5	NNE
9/13/20 0:11	0	0.8	NE
9/13/20 0:17	0	0.8	NE
9/13/20 0:22	0	0.3	NNE
9/13/20 0:28	0	0.2	ENE
9/13/20 0:34	0	0.2	W
9/13/20 0:40	0	0.4	WNW
9/13/20 0:45	0	0.7	E
9/13/20 0:51	0	0.6	ENE
9/13/20 0:57	0	1.0	NW
9/13/20 1:03	0	1.5	NW
9/13/20 1:08	0	1.6	NW
9/13/20 1:14	0	1.9	NNW
9/13/20 1:20	0	0.7	NW
9/13/20 1:26	1	0.8	NW
9/13/20 1:31	1	0.8	NNE
9/13/20 1:37	2	1.2	NW
9/13/20 1:43	2	0.8	NW
9/13/20 1:49	3	0.3	NE
9/13/20 1:54	3	0.4	ESE
9/13/20 2:00	2	0.3	NNE
9/13/20 2:06	0	0.6	E
9/13/20 2:12	0	0.6	NNW
9/13/20 2:17	0	0.8	N
9/13/20 2:23	0	1.2	NNW
9/13/20 2:29	0	1.0	NNE
9/13/20 2:35	0	1.6	NE
9/13/20 2:40	0	2.1	NNE
9/13/20 2:46	0	2.2	NNE
9/13/20 2:52	0	0.8	ENE
9/13/20 2:58	0	1.6	NE
9/13/20 3:03	0	2.0	NE
9/13/20 3:09	0	1.9	N
9/13/20 3:15	1	1.6	NNW
9/13/20 3:21	1	1.5	WNW
9/13/20 3:26	0	2.9	W
9/13/20 3:32	0	1.7	N
9/13/20 3:38	0	2.1	NNE
9/13/20 3:44	0	1.8	NNE
9/13/20 3:49	0	1.3	N
9/13/20 3:55	0	0.5	NNW
9/13/20 4:01	0	0.9	N
9/13/20 4:07	0	1.2	NNE
9/13/20 4:12	0	0.6	ENE

NOTE: Wind Direction reported in the direction that the wind is coming from

9/13/20 4:18	0	0.5	SE
9/13/20 4:24	0	0.2	ENE
9/13/20 4:30	0	0.4	ESE
9/13/20 4:35	0	0.4	NNE
9/13/20 4:41	0	1.1	N
9/13/20 4:47	0	0.2	SE
9/13/20 4:53	0	1.2	N
9/13/20 4:58	0	1.4	N
9/13/20 5:04	0	1.4	ENE
9/13/20 5:10	0	1.5	N
9/13/20 5:16	0	1.2	NNE
9/13/20 5:33	0	1.5	N
9/13/20 5:39	0	0.6	ENE
9/13/20 5:44	0	0.7	N
9/13/20 5:50	0	1.4	NNE
9/13/20 5:56	0	1.0	NNE
9/13/20 6:02	0	0.4	ENE
9/13/20 6:07	0	2.0	NNE
9/13/20 6:13	0	1.0	NE
9/13/20 6:19	0	2.0	NNE
9/13/20 6:25	0	1.4	NE
9/13/20 6:30	0	0.8	NE
9/13/20 6:36	0	1.0	ENE
9/13/20 6:42	0	1.4	NE
9/13/20 6:48	0	1.2	E
9/13/20 6:53	0	2.0	ENE
9/13/20 6:59	0	1.5	ENE
9/13/20 7:05	0	1.3	NE
9/13/20 7:11	0	1.1	E
9/13/20 7:16	0	1.9	NNE
9/13/20 7:22	0	3.1	NE
9/13/20 7:28	0	2.6	NE
9/13/20 7:34	0	0.8	NE
9/13/20 7:39	0	1.3	ENE
9/13/20 7:45	0	2.0	NE
9/13/20 7:51	0	2.0	NE
9/13/20 7:57	0	1.5	E
9/13/20 8:02	0	1.4	ENE
9/13/20 8:08	1	1.7	ENE
9/13/20 8:14	1	1.9	NE
9/13/20 8:20	0	1.7	ENE
9/13/20 8:25	0	2.6	NNE
9/13/20 8:31	0	1.3	ENE
9/13/20 8:37	0	2.3	NE
9/13/20 8:43	0	1.5	NNE
9/13/20 8:48	0	1.3	NE
9/13/20 8:54	1	0.5	NE

NOTE: Wind Direction reported in the direction that the wind is coming from

9/13/20 9:00	1	2.4	NNE
9/13/20 9:06	1	1.4	N
9/13/20 9:11	0	0.9	SE
9/13/20 9:17	0	1.6	N
9/13/20 9:23	0	1.0	E
9/13/20 9:29	0	0.8	ESE
9/13/20 9:34	0	1.9	NE
9/13/20 9:40	0	1.2	E
9/13/20 9:46	0	0.6	ESE
9/13/20 9:52	0	0.7	ENE
9/13/20 9:57	0	2.2	SE
9/13/20 10:03	0	2.0	ESE
9/13/20 10:09	0	2.1	ESE
9/13/20 10:15	1	2.8	E
9/13/20 10:20	1	6.1	SSE
9/13/20 10:26	1	3.6	SE
9/13/20 10:32	1	3.7	SE
9/13/20 10:38	1	7.2	SE
9/13/20 10:43	2	2.1	ESE
9/13/20 10:49	3	3.2	SE
9/13/20 10:55	3	5.0	SSE
9/13/20 11:01	3	2.9	ESE
9/13/20 11:06	3	2.8	SSE
9/13/20 11:12	3	5.2	SE
9/13/20 11:18	3	2.1	SSE
9/13/20 11:24	3	5.1	SE
9/13/20 11:29	3	3.6	SE
9/13/20 11:35	3	3.4	SE
9/13/20 11:41	3	5.6	SE
9/13/20 11:47	3	6.1	SE
9/13/20 11:52	3	4.6	SE
9/13/20 11:58	3	5.4	SE
9/13/20 12:04	3	5.5	ESE
9/13/20 12:10	3	3.4	SE
9/13/20 12:15	3	6.7	SE
9/13/20 12:21	3	5.1	SE
9/13/20 12:27	3	3.7	SE
9/13/20 12:33	3	2.3	SE
9/13/20 12:38	3	1.9	SE
9/13/20 12:44	3	5.6	SSE
9/13/20 12:50	3	4.7	ESE
9/13/20 12:56	3	5.0	SE
9/13/20 13:01	3	5.7	SE
9/13/20 13:07	3	3.4	SE
9/13/20 13:13	3	8.2	SE
9/13/20 13:19	3	5.5	ESE
9/13/20 13:24	3	5.1	SE

NOTE: Wind Direction reported in the direction that the wind is coming from

9/13/20 13:30	3	3.9	ESE
9/13/20 13:36	3	7.1	SE
9/13/20 13:42	2	6.2	SE
9/13/20 13:47	2	3.1	SSE
9/13/20 13:53	2	4.0	SE
9/13/20 13:59	3	3.8	SE
9/13/20 14:05	3	9.2	SE
9/13/20 14:10	3	5.2	SE
9/13/20 14:16	3	7.0	SE
9/13/20 14:22	12	5.0	SE
9/13/20 14:28	12	4.0	SE
9/13/20 14:33	12	4.6	SE
9/13/20 14:39	16	3.0	SE
9/13/20 14:45	12	4.2	SE
9/13/20 14:51	11	3.4	SE
9/13/20 14:56	7	4.8	ESE
9/13/20 15:02	6	7.7	SE
9/13/20 15:08	6	5.6	ESE
9/13/20 15:14	6	5.9	SE
9/13/20 15:19	6	7.8	SE
9/13/20 15:25	6	5.5	SE
9/13/20 15:31	6	3.9	SE
9/13/20 15:37	6	4.7	SE
9/13/20 15:42	5	5.9	SE
9/13/20 15:48	3	3.7	SE
9/13/20 15:54	3	3.8	SE
9/13/20 16:00	2	4.7	SE
9/13/20 16:05	2	6.1	SE
9/13/20 16:11	3	7.7	SE
9/13/20 16:17	2	3.3	SSE
9/13/20 16:23	3	5.3	SSE
9/13/20 16:28	5	5.1	SSE
9/13/20 16:34	5	4.4	SE
9/13/20 16:40	5	5.9	SE
9/13/20 16:46	5	4.8	SE
9/13/20 16:51	5	3.2	SSE
9/13/20 16:57	13	3.4	SE
9/13/20 17:03	13	4.2	SE
9/13/20 17:08	18	5.5	SE
9/13/20 17:14	18	6.6	SE
9/13/20 17:20	13	3.8	SSE
9/13/20 17:26	10	2.5	ESE
9/13/20 17:32	10	5.2	SE
9/13/20 17:37	10	3.3	SE
9/13/20 17:43	8	6.5	SE
9/13/20 17:49	8	5.4	SE
9/13/20 17:55	4	2.8	SE

NOTE: Wind Direction reported in the direction that the wind is coming from

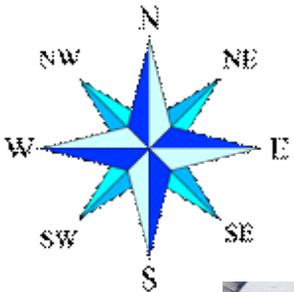
9/13/20 18:00	4	3.5	SE
9/13/20 18:06	3	6.1	SE
9/13/20 18:12	3	3.5	SE
9/13/20 18:18	4	3.7	SE
9/13/20 18:23	4	3.9	SE
9/13/20 18:29	4	6.1	SE
9/13/20 18:35	4	5.9	SE
9/13/20 18:40	4	7.6	SE
9/13/20 18:46	5	3.2	SE
9/13/20 18:52	6	3.6	SE
9/13/20 18:58	7	5.8	SE
9/13/20 19:04	7	3.8	SE
9/13/20 19:09	7	3.2	SE
9/13/20 19:15	7	2.4	SE
9/13/20 19:21	7	1.8	SSE
9/13/20 19:26	9	2.1	SSE
9/13/20 19:32	9	2.0	SSE
9/13/20 19:38	110	2.5	SSE
9/13/20 19:44	110	2.0	S
9/13/20 19:50	110	2.3	SSE
9/13/20 19:55	5	1.7	S
9/13/20 20:01	5	3.0	SSE
9/13/20 20:07	5	2.7	SSE
9/13/20 20:13	5	1.1	SSE
9/13/20 20:18	5	0.8	SE
9/13/20 20:24	5	2.0	SE
9/13/20 20:30	5	3.3	SE
9/13/20 20:36	5	3.2	SSW
9/13/20 20:41	5	2.0	SSE
9/13/20 20:47	5	1.6	SSW
9/13/20 20:53	5	2.0	SSE
9/13/20 20:59	5	2.3	SE
9/13/20 21:04	5	1.8	SSW
9/13/20 21:10	5	3.5	SSE
9/13/20 21:16	5	0.7	SSE
9/13/20 21:22	5	1.7	SSE
9/13/20 21:27	7	2.1	SW
9/13/20 21:33	5	0.9	SSE
9/13/20 21:39	4	1.9	WSW
9/13/20 21:45	3	1.4	SSW
9/13/20 21:50	2	0.3	W
9/13/20 21:56	1	0.8	SE
9/13/20 22:02	1	1.4	ESE
9/13/20 22:08	1	0.8	SSW
9/13/20 22:13	1	1.0	SW
9/13/20 22:19	1	1.3	SSW
9/13/20 22:25	1	0.7	SE

NOTE: Wind Direction reported in the direction that the wind is coming from

9/13/20 22:31	1	0.8	SSW
9/13/20 22:36	1	1.8	S
9/13/20 22:42	1	1.3	SW
9/13/20 22:48	1	1.6	SSW
9/13/20 22:54	1	0.6	SW
9/13/20 22:59	0	1.0	SSW
9/13/20 23:05	0	0.9	S
9/13/20 23:11	0	2.4	SW
9/13/20 23:17	0	3.0	SW
9/13/20 23:22	0	2.5	WSW
9/13/20 23:28	1	1.7	SW
9/13/20 23:34	0	3.0	SW
9/13/20 23:40	0	2.6	SW
9/13/20 23:45	1	2.0	SW
9/13/20 23:51	0	3.5	SW
9/13/20 23:57	0	3.2	SW

NOTE: Wind Direction reported in the direction that the wind is coming from

Attachment 3



wind direction
during 9/13
exceedances

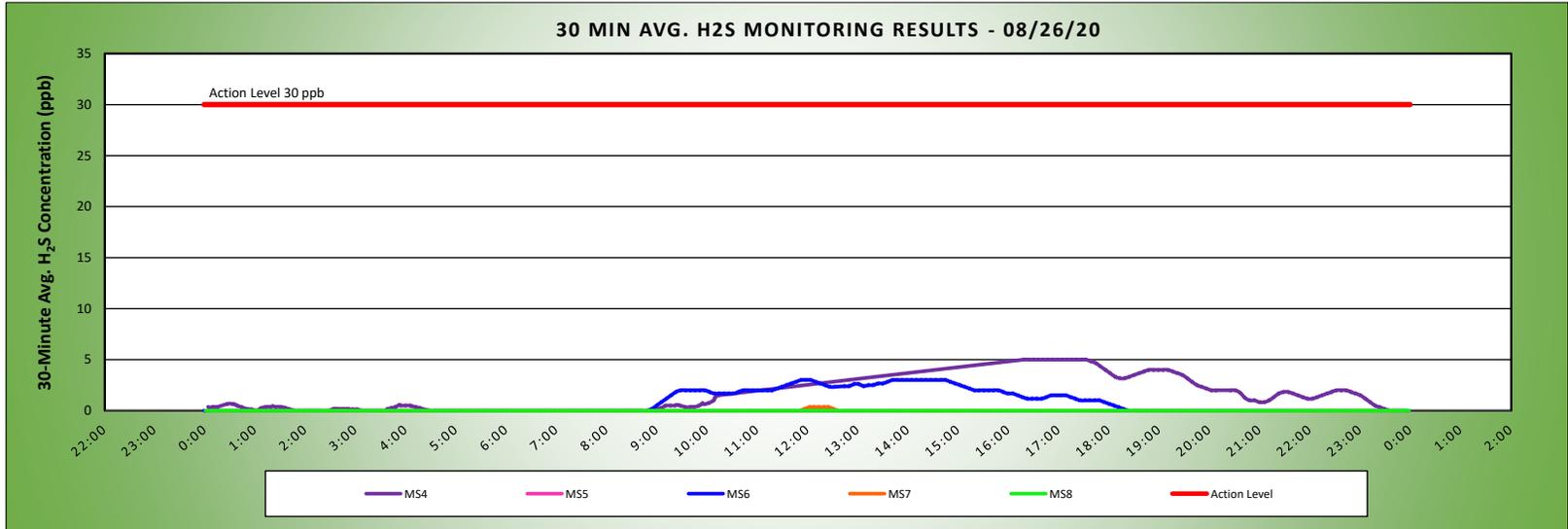
Attachment 4

Keegan Landfill Monitoring Project 	DAILY AIR MONITORING REPORT AT OR NEAR PROPERTY LINE Keegan Landfill Monitoring Stations Kearny, New Jersey			08/26/20 Field Operations	
				Page 1 of 1 Submitted By:	Rev. No. 0 30 Minute Avg H ₂ S Action Level 30 ppb

Weather Data Range from Full Weather Station	Wind Direction	N	Relative Humidity (%)	29.6 - 68.6	Daily Rain (in)	0.00	Landfill Perimeter Monitoring
Temp (°F)	66.7 - 79.7	Wind Speed (MPH)	0.3 - 12.9	Barometer (inHg)			

*Note: Wind Direction reported in the direction that it is coming from

Station Location Area	Work	Daily Avg. 30 Min H ₂ S Concentration (ppb)	Max 30 Min H ₂ S Concentration (ppb)	Time of Max 30 Min H ₂ S Reading	Corresponding Wind Direction
MS-4		1.1	5.0	16:18	W
MS-5		0.0	0.0	0:04	N
MS-6		0.8	3.0	11:52	NNW
MS-7		0.0	0.3	12:02	WNW
MS-8		0.0	0.0	0:00	ENE



Air Monitoring Notes:



Daily H ₂ S Readings at MS4 - Keegan Landfill Monitoring			
Date/Time	MS-4 -- Hydrogen Sulfide (ppb)	Wind Speed (mph)	Wind Direction
8/26/20 0:03	0	5.2	WNW
8/26/20 0:05	1	3.7	WNW
8/26/20 0:09	1	4.2	WNW
8/26/20 0:15	1	5.1	W
8/26/20 0:26	1	5.6	W
8/26/20 0:32	0	3.6	WNW
8/26/20 0:35	0	3.1	NW
8/26/20 0:38	0	2.9	WNW
8/26/20 0:44	0	4.5	WNW
8/26/20 0:49	0	5.2	W
8/26/20 0:50	0	4.9	W
8/26/20 0:55	0	5.4	W
8/26/20 1:01	0	6.6	WNW
8/26/20 1:05	1	5.1	WNW
8/26/20 1:07	1	5.0	W
8/26/20 1:12	1	7.1	WNW
8/26/20 1:18	0	3.1	WNW
8/26/20 1:21	0	5.1	W
8/26/20 1:24	0	5.4	W
8/26/20 1:30	0	4.8	W
8/26/20 1:36	0	4.1	W
8/26/20 1:36	0	3.9	W
8/26/20 1:41	0	5.0	WNW
8/26/20 1:47	0	4.1	WNW
8/26/20 1:51	0	1.7	NW
8/26/20 1:53	0	5.0	WNW
8/26/20 1:59	0	5.2	WNW
8/26/20 2:04	0	4.4	NNW
8/26/20 2:06	0	6.3	N
8/26/20 2:10	0	2.9	NW
8/26/20 2:16	0	3.1	NNW
8/26/20 2:27	0	1.5	NW
8/26/20 2:33	1	4.3	WNW
8/26/20 2:36	0	2.7	NW
8/26/20 2:39	0	3.1	NW
8/26/20 2:44	0	2.0	NNW
8/26/20 2:50	0	4.6	W
8/26/20 2:51	0	3.9	W
8/26/20 2:56	0	3.3	W
8/26/20 3:02	0	3.8	WNW
8/26/20 3:06	0	6.0	W
8/26/20 3:07	0	4.0	WNW
8/26/20 3:13	0	7.1	W
8/26/20 3:19	0	5.1	WNW

NOTE: Wind Direction reported in the direction that the wind is coming from

8/26/20 3:21	0	6.7	W
8/26/20 3:25	0	6.2	WNW
8/26/20 3:30	0	4.7	WNW
8/26/20 3:36	0	5.1	W
8/26/20 3:37	1	5.1	W
8/26/20 3:42	1	3.9	WNW
8/26/20 3:48	1	5.8	W
8/26/20 3:52	1	4.2	WNW
8/26/20 3:53	0	4.9	W
8/26/20 3:59	0	6.2	WNW
8/26/20 4:05	0	4.3	WNW
8/26/20 4:07	0	4.6	W
8/26/20 4:11	0	3.7	WNW
8/26/20 4:16	0	3.2	W
8/26/20 4:28	0	4.3	W
8/26/20 4:34	0	3.2	WNW
8/26/20 4:37	0	2.3	W
8/26/20 4:39	0	3.4	WNW
8/26/20 4:45	0	2.4	WNW
8/26/20 4:51	0	3.6	W
8/26/20 4:52	0	3.9	W
8/26/20 4:57	0	3.8	WNW
8/26/20 5:02	0	3.3	W
8/26/20 5:07	0	4.4	W
8/26/20 5:08	0	3.2	WNW
8/26/20 5:14	0	2.9	W
8/26/20 5:20	0	1.9	WNW
8/26/20 5:22	0	2.2	WNW
8/26/20 5:25	0	1.8	NW
8/26/20 5:31	0	1.0	NNE
8/26/20 5:37	0	1.0	N
8/26/20 5:38	0	1.0	N
8/26/20 5:43	0	0.6	NNE
8/26/20 5:48	0	2.1	NE
8/26/20 5:53	0	2.8	NNE
8/26/20 5:54	0	2.6	NNE
8/26/20 6:00	0	1.5	NNE
8/26/20 6:06	0	1.5	N
8/26/20 6:08	0	1.7	NNE
8/26/20 6:11	0	0.4	SE
8/26/20 6:17	0	0.6	N
8/26/20 6:29	0	0.9	NNW
8/26/20 6:34	0	1.4	NNW
8/26/20 6:38	0	1.9	NNE
8/26/20 6:40	0	1.0	NNW
8/26/20 6:46	0	0.5	N
8/26/20 6:52	0	0.8	W

NOTE: Wind Direction reported in the direction that the wind is coming from

8/26/20 6:53	0	0.9	WSW
8/26/20 6:57	0	1.9	NW
8/26/20 7:03	0	3.3	WNW
8/26/20 7:08	0	2.5	W
8/26/20 7:09	0	2.9	WNW
8/26/20 7:15	0	3.1	W
8/26/20 7:20	0	4.7	W
8/26/20 7:23	0	4.2	W
8/26/20 7:26	0	3.6	WNW
8/26/20 7:32	0	3.2	NW
8/26/20 7:38	0	2.2	NW
8/26/20 7:38	0	4.0	NW
8/26/20 7:43	0	2.9	WNW
8/26/20 7:49	0	3.3	NW
8/26/20 7:53	0	4.8	NNW
8/26/20 7:55	0	3.7	WNW
8/26/20 8:01	0	5.8	W
8/26/20 8:06	0	3.3	WNW
8/26/20 8:08	0	3.9	WNW
8/26/20 8:12	0	3.7	NW
8/26/20 8:18	0	2.8	NW
8/26/20 8:29	0	3.5	NNW
8/26/20 8:35	0	3.8	WNW
8/26/20 8:38	0	4.2	NW
8/26/20 8:41	0	4.1	WNW
8/26/20 8:47	0	7.0	W
8/26/20 8:52	0	8.2	W
8/26/20 8:53	0	5.9	W
8/26/20 8:58	1	3.4	WNW
8/26/20 9:04	1	7.9	WNW
8/26/20 9:08	1	5.1	WNW
8/26/20 9:10	1	6.0	WNW
8/26/20 9:15	0	5.3	NW
8/26/20 9:21	0	7.3	W
8/26/20 9:23	0	4.2	NNW
8/26/20 9:27	0	4.3	NNW
8/26/20 9:33	0	7.4	W
8/26/20 9:38	1	5.3	WNW
8/26/20 9:39	1	8.0	W
8/26/20 9:44	1	4.7	NNW
8/26/20 9:50	1	6.4	NW
8/26/20 9:54	1	11.0	W
8/26/20 9:56	0	7.5	WNW
8/26/20 10:01	1	7.0	WNW
8/26/20 10:07	2	6.8	W
8/26/20 10:09	3	6.3	W
8/26/20 10:13	3	7.3	WNW

NOTE: Wind Direction reported in the direction that the wind is coming from

8/26/20 16:18	5	8.4	WSW
8/26/20 16:23	5	8.6	WNW
8/26/20 16:29	5	8.4	WSW
8/26/20 16:35	5	4.6	WNW
8/26/20 16:41	5	7.2	W
8/26/20 16:46	5	4.6	W
8/26/20 16:52	5	9.3	WSW
8/26/20 16:58	5	9.1	WSW
8/26/20 17:03	5	7.1	W
8/26/20 17:09	5	9.9	WSW
8/26/20 17:15	5	7.7	W
8/26/20 17:21	5	5.9	W
8/26/20 17:26	5	6.9	W
8/26/20 17:32	5	4.4	W
8/26/20 17:38	4	6.0	W
8/26/20 17:44	4	7.6	W
8/26/20 17:49	3	6.2	WSW
8/26/20 17:55	3	6.7	W
8/26/20 18:01	3	6.1	W
8/26/20 18:07	3	5.3	W
8/26/20 18:13	3	6.6	W
8/26/20 18:18	4	5.1	WNW
8/26/20 18:24	4	5.9	W
8/26/20 18:30	4	7.3	W
8/26/20 18:35	4	6.3	WNW
8/26/20 18:41	4	7.4	W
8/26/20 18:47	4	6.0	W
8/26/20 18:53	4	6.9	W
8/26/20 18:58	4	7.2	W
8/26/20 19:04	4	5.7	W
8/26/20 19:10	4	5.2	W
8/26/20 19:16	3	5.4	W
8/26/20 19:21	3	3.5	W
8/26/20 19:27	3	6.6	W
8/26/20 19:33	2	6.1	W
8/26/20 19:39	2	5.8	WNW
8/26/20 19:44	2	5.5	WNW
8/26/20 19:50	2	5.8	WSW
8/26/20 19:56	2	6.2	W
8/26/20 20:02	2	5.3	W
8/26/20 20:08	2	6.6	W
8/26/20 20:25	2	5.0	WSW
8/26/20 20:31	2	2.6	WSW
8/26/20 20:36	1	1.8	WSW
8/26/20 20:42	0	2.1	SW
8/26/20 20:48	0	2.6	WSW
8/26/20 20:54	1	5.4	WSW

NOTE: Wind Direction reported in the direction that the wind is coming from

8/26/20 20:59	1	6.8	WSW
8/26/20 21:05	2	4.1	WSW
8/26/20 21:11	2	4.6	W
8/26/20 21:17	2	2.8	WSW
8/26/20 21:22	2	3.3	W
8/26/20 21:28	2	4.4	W
8/26/20 21:34	1	3.4	W
8/26/20 21:39	1	3.9	WSW
8/26/20 21:45	1	1.9	W
8/26/20 21:51	1	2.7	WNW
8/26/20 21:57	1	3.2	WNW
8/26/20 22:03	2	1.9	WNW
8/26/20 22:08	2	2.7	W
8/26/20 22:14	2	2.5	W
8/26/20 22:20	2	2.5	W
8/26/20 22:25	2	3.8	W
8/26/20 22:31	2	1.7	W
8/26/20 22:37	2	2.8	WNW
8/26/20 22:43	2	2.1	WNW
8/26/20 22:48	1	1.2	WSW
8/26/20 22:54	1	0.4	ESE
8/26/20 23:00	1	1.2	SSW
8/26/20 23:06	0	0.5	NNE
8/26/20 23:12	0	0.6	SSE
8/26/20 23:17	0	0.4	NNW
8/26/20 23:23	0	0.4	SE
8/26/20 23:29	0	1.0	SW
8/26/20 23:35	0	0.4	NNW
8/26/20 23:40	0	0.8	SW
8/26/20 23:46	0	0.8	SSE
8/26/20 23:52	0	1.2	SW
8/26/20 23:57	0	0.7	S

NOTE: Wind Direction reported in the direction that the wind is coming from