

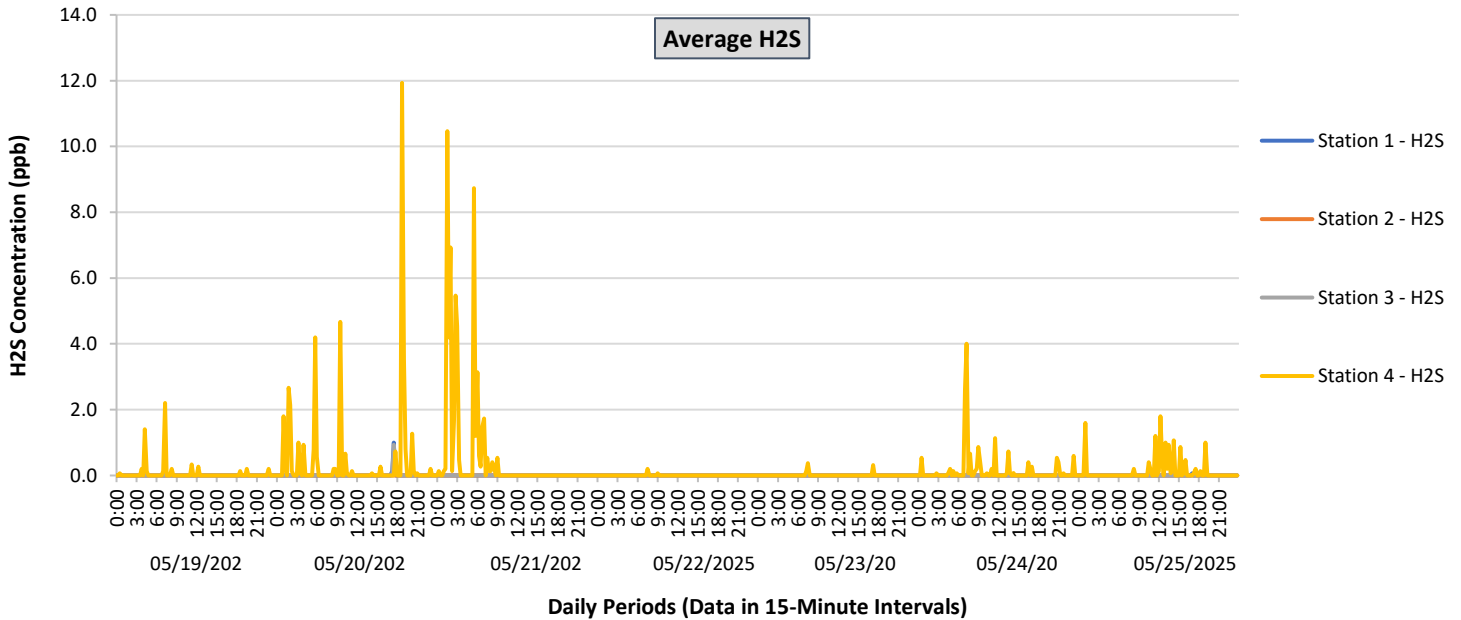


Perimeter Air Monitoring Weekly Report

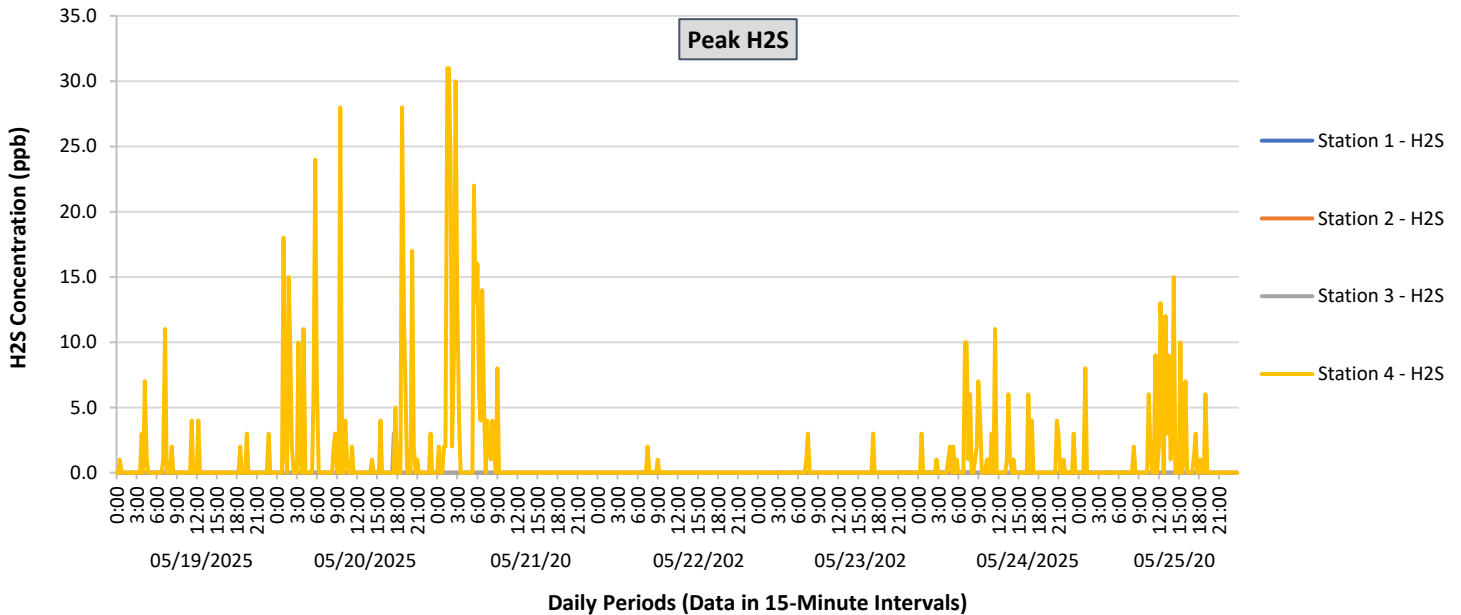
Real-Time Multigas Monitoring
Bristol Landfill Air Investigation

May 19 - May 25, 2025

Average H2S



Peak H2S





Perimeter Air Monitoring Weekly Report

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Date	Daily Statistics	Station 1						Station 2						Station 3						Station 4					
		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene		TVOCs		H2S		Benzene	
		Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb	Average ppb	Peak ppb
		Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.	Values from 15-minute intervals.	1-minute max within each 15 minute interval.
May 19, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	2.2	11.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.1	0.4	-	-
May 20, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	1.0	5.0	-	-	-	-	0.0	0.0	-	-	-	-	0.9	3.0	-	-	-	-	11.9	28.0	-	-
	Average	-	-	0.0	0.1	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.1	-	-	-	-	0.4	2.4	-	-
May 21, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	10.5	31.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.6	2.6	-	-
May 22, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.2	2.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
May 23, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.4	3.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.1	-	-
May 24, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	4.0	11.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.2	1.0	-	-
May 25, 2025	Minimum	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-
	Maximum	-	-	0.1	1.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	1.8	15.0	-	-
	Average	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.0	0.0	-	-	-	-	0.1	1.3	-	-

Notes:

- TVOC monitoring is suspended at each station due to operational uncertainty. Monitoring and reporting will resume upon completion of the evaluation process and verification of data accuracy.
- Benzene sampling, which is triggered based on the TVOC readings, is suspended during this evaluation period.
- Calibration readings and data produced during periods of sensor downtime and/or maintenance are excluded from the report.
- The CTair monitoring systems at each station are programmed to initiate benzene sampling when a TVOC reading of ≥ 160 ppb is measured. It has been observed that there are occurrences of TVOC readings ≥ 160 ppb where the benzene sampling was not initiated. The affected stations and periods are detailed in the monitoring systems daily reports. The equipment supplier has been notified of this issue and a corrective action will be implemented when provided.
- As discussed with the manufacturer of the H2S sensor, there is high likelihood that the H2S sensor has cross sensitivity with other sulfur compounds, including, but are not limited to, carbonyl sulfide, dimethyl sulfide, dimethyl disulfide, and methyl mercaptan. The potential for cross sensitivity with other reduced sulfur compounds must be considered when interpreting H2S levels recorded by the sensors.



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Date	Daily Statistics	Bristol Met Station				
		Wind Direction degrees	Wind Speed mph	Temperature °F	Relative Humidity %	Barometric Pressure mbar
May 19, 2025	Minimum		0.0	53.1	52.1	947.7
	Maximum		11.0	75.7	91.1	950.3
	Average	164.0	1.8	66.0	73.5	948.9
May 20, 2025	Minimum		0.0	60.8	61.4	943.2
	Maximum		11.0	80.7	96.1	948.7
	Average	156.8	2.0	69.5	82.8	945.9
May 21, 2025	Minimum		0.0	61.7	43.5	941.7
	Maximum		20.0	75.3	97.2	946.3
	Average	227.8	4.3	67.3	76.3	943.3
May 22, 2025	Minimum		0.0	53.3	39.6	945.0
	Maximum		27.0	69.8	85.1	949.4
	Average	242.8	4.9	61.9	61.2	946.6
May 23, 2025	Minimum		0.0	49.1	36.0	948.4
	Maximum		13.0	65.5	76.4	953.5
	Average	252.7	2.7	56.5	58.8	951.0
May 24, 2025	Minimum		0.0	40.8	40.7	953.4
	Maximum		12.0	67.0	91.7	956.0
	Average	154.7	1.8	55.8	66.5	954.7
May 25, 2025	Minimum		0.0	49.9	50.2	951.8
	Maximum		10.0	75.1	87.4	956.5
	Average	159.3	2.3	63.1	64.9	954.5

Notes:

- Dash/Blank data records indicate no data is available for that interval.
- Wind direction is a daily (24-hr) average value; with the origin of wind in degrees; clockwise from North calculated with vector averaging.