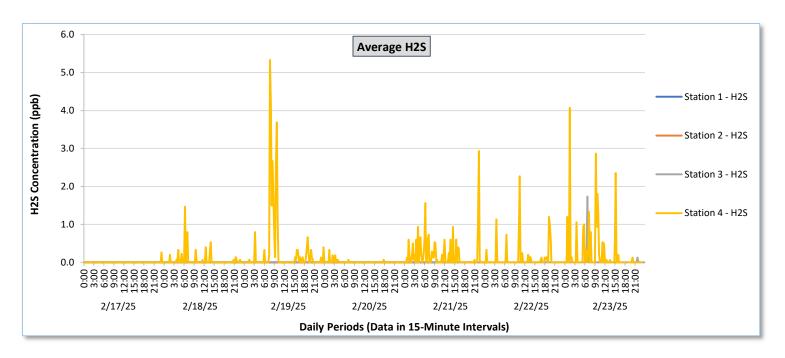
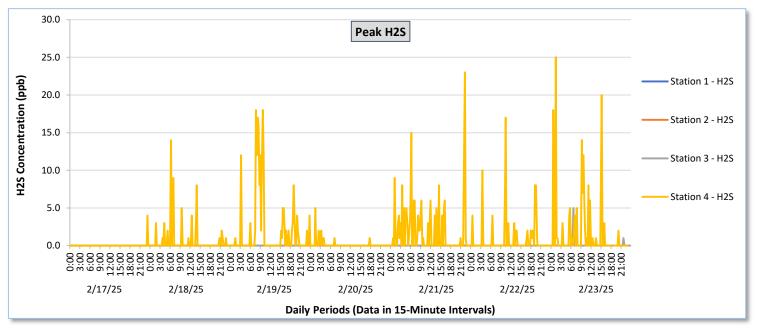


Stantec

Perimeter Air Monitoring Weekly Report







		Station 1						Station 2				Station 3				Station 4									
Date	Daily Statistics	TVOCs H2S		25	Benzene		TVOCs H2S		25	Benzene				_	H2S Benzene		zene	TVOCs		H2S		Benzene			
		Average	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	Peak ppb	Average	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.																				
February 17, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	74.6	78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	37.5	179.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	215.6	219.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		-	276.6	545.0	0.3	4.0	2.4	15.0
	Average	0.0	0.0	0.0	0.0	-	-	130.5	136.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	164.6	271.2	0.0	0.0	0.5	3.7
February 18, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	86.5	93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		7.3	63.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0	-	-	192.3	196.0	0.0	0.0	0.0	0.0	1.7	26.0	0.0	0.0		-	241.4	682.0	1.5	14.0	12.0	12.0
	Average	0.0	0.0	0.0	0.0	-		139.3	144.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0			111.5	217.0	0.1	0.6	0.6	2.2
February 19, 2025	Minimum	0.0	0.0	0.0	0.0			54.5	60.0	0.0	0.0			0.0	0.0	0.0	0.0	-		5.7	68.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0			131.7	138.0	0.0	0.0			0.0	0.0	0.0	0.0			327.7	803.0	5.3	18.0	16.0	19.0
	Average	0.0	0.0	0.0	0.0	-	-	85.2	89.1	0.0	0.0	-	-	0.0	0.0	0.0	0.0			100.4	202.1	0.3	2.0	1.5	6.6
																l									
February 20, 2025	Minimum	0.0	0.0	0.0	0.0	-	-	48.3	52.0	0.0	0.0	-	-	0.0	0.0	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	-	-	139.8	158.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	•	•	98.6	302.0	0.3	5.0	0.6	7.0
귤	Average	0.0	0.0	0.0	0.0	-	-	91.1	100.7	0.0	0.0	-	-	0.0	0.0	0.0	0.0	•	-	15.3	98.9	0.0	0.1	0.1	0.5
February 21, 2025	Minimum	0.0	0.0	0.0	0.0	-		97.2	108.0	0.0	0.0	0.0	0.0	0.0	0.0	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	-	-	162.9	171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	318.1	774.0	2.9	23.0	3.4	14.0
Febr	Average	0.0	0.0	0.0	0.0	-	-	124.5	135.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		76.6	224.3	0.2	1.9	0.2	1.6
February 22, 2025	Minimum		-	-		-		26.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-		0.0	0.0	0.0	0.0	0.0	0.0
	Maximum	-		-	-			145.1	166.0	0.0	0.0	0.0	0.0	3.3	50.0	0.0	0.0	-		568.9	1,386.0	2.3	17.0	9.7	27.0
	Average	-		-	-	-		105.8	116.6	0.0	0.0	0.0	0.0	0.1	1.3	0.0	0.0	-	-	132.8	254.9	0.1	0.8	0.6	2.3
February 23, 2025	Minimum	-		-	-	-	-	-	-			-		0.0	0.0	0.0	0.0	-		0.0	0.0	0.0	0.0	0.0	0.0
	Maximum													71.4	114.0	1.7	5.0			595.2	1,261.0	4.1	25.0	7.1	20.0
	Average		-		-			-		-	-	-	-	11.8	26.8	0.0	0.1	-		131.1	294.3	0.3	1.8	0.3	1.4
Notes:																									

- Notes:
 Data records with a dash indicate no data is available for that interval.
- 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.
- Station 1 shut down on 2/21/2025 and is scheduled for repair.
- Station 2 shut down on 2/22/2025 and is scheduled for repair.



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

February 17 - February 23, 2025

		Bristol Met Station											
Date	Daily Statistics	Wind Direction degrees	Wind Speed	Temperature °F	Relative Humidity	Barometric Pressure _{mbar}							
2025	Minimum		0.0	24.0	47.2	950.1							
February 17, 2025	Maximum		13.0	35.3	85.5	956.4							
Febru	Average	245.7	3.8	28.5	65.4	954.3							
2025	Minimum		0.0	25.0	47.9	954.4							
February 18, 2025	Maximum		11.0	38.0	81.6	957.5							
Febru	Average	222.4	2.6	31.3	65.0	955.8							
2025	Minimum		0.0	20.4	67.8	950.8							
February 19, 2025	Maximum		11.0	32.4	93.1	955.7							
Febru	Average	237.6	2.7	28.5	85.1	953.4							
2025	Minimum		0.0	15.8	56.4	951.2							
February 20, 2025	Maximum		20.0	21.4	91.2	962.4							
Febru	Average	293.7	4.1	17.9	73.9	956.0							
2025	Minimum		0.0	14.9	51.3	-							
February 21, 2025	Maximum		7.0	32.4	78.7	-							
Febru	Average	228.2	2.0	21.7	67.9	-							
22, 2025	Minimum		0.0	16.5	36.7	-							
ary 22,	Maximum		17.0	42.5	85.6	-							
February	Average	156.0	2.8	29.8	61.6	-							
2025	Minimum		0.0	23.9	36.3	-							
February 23, 2025	Maximum		10.0	47.4	80.3	-							
Febru	Average	179.2	1.7	34.9	57.5	-							

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.