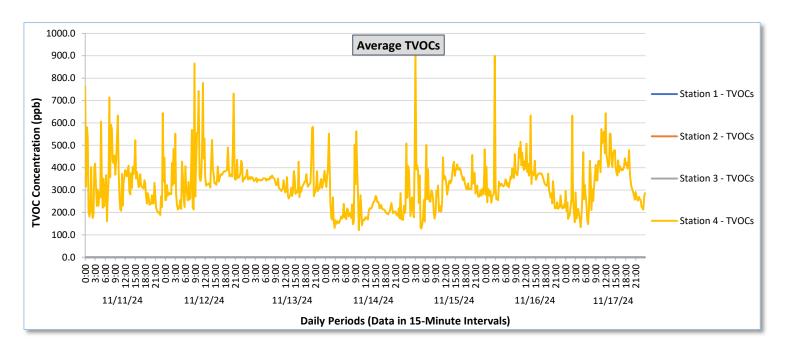
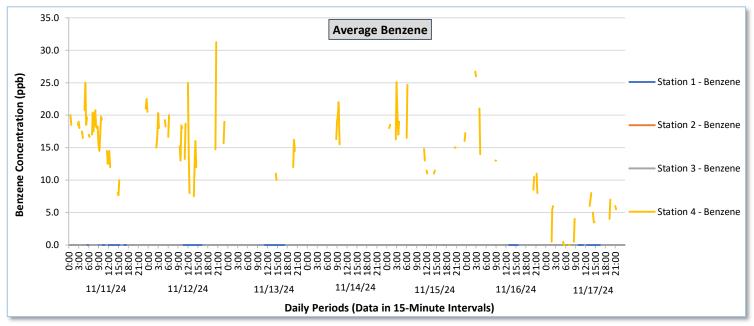
Stantec

Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation

November 11 - November 17, 2024



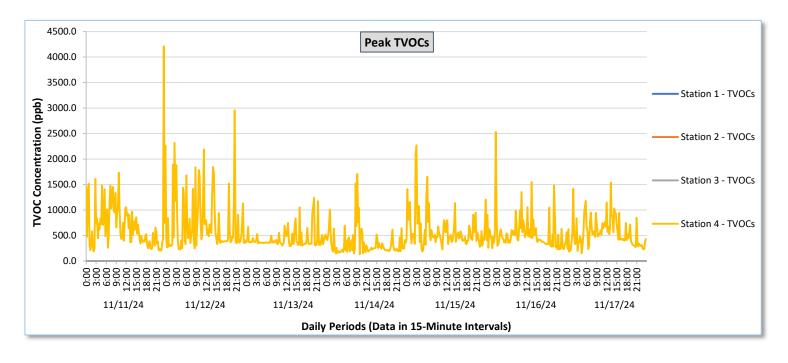


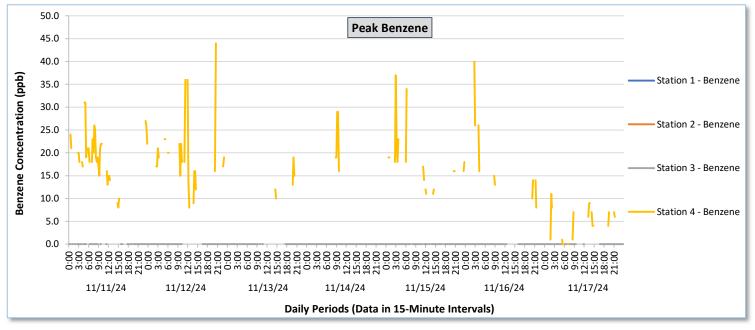
Perimeter Air Monitoring Weekly Report



Real-Time Multigas Monitoring Bristol Landfill Air Investigation

November 11 - November 17, 2024

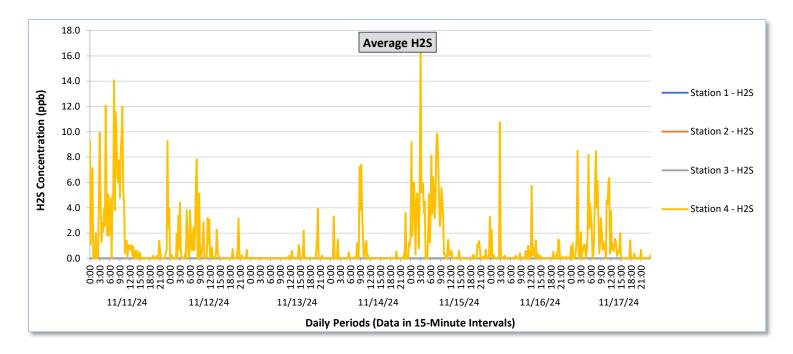


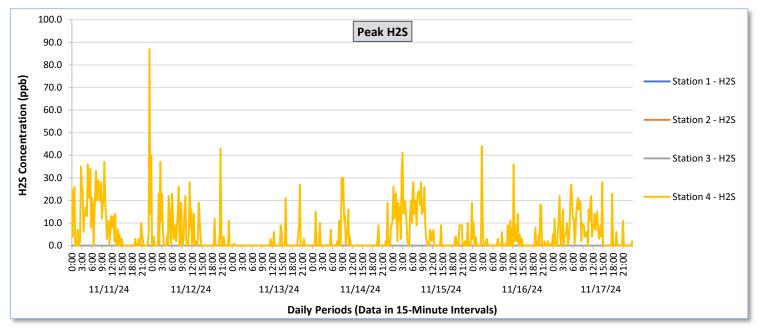


Stantec

Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation November 11 - November 17, 2024







Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation November 11 - November 17, 2024

		Station 1					Station 2					Station 3					Station 4								
Date		TVOCs		H2S		Benzene		TV	OCs	н	25	S Benzene		TVOCs H2S			Benzene		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.																				
November 11, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	160.9	190.0	0.0	0.0	7.0	7.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	764.6	4,210.0	14.1	87.0	25.0	31.0
	Average	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	337.7	728.9	2.5	10.6	16.6	18.7
November 12, 2024	Minimum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			212.3	228.0	0.0	0.0	7.0	8.0
	Maximum	0.0	0.0	0.0	0.0		-	-	-	-		-	-	0.0	0.0	0.0	0.0		-	865.3	2,955.0	7.8	43.0	31.3	44.0
	Average	0.0	0.0	0.0	0.0		-	-	-		-	-	-	0.0	0.0	0.0	0.0	-	-	372.2	733.2	0.7	5.4	16.2	19.4
November 13, 2024	Minimum	0.0	0.0	0.0	0.0	-								0.0	0.0	0.0	0.0			262.0	289.0	0.0	0.0	9.3	10.0
	Maximum	0.0	0.0	0.0	0.0			-			-	-		0.0	0.0	0.0	0.0			582.9	1,243.0	3.9	27.0	18.0	19.0
	Average	0.0	0.0	0.0	0.0		-	-			-	-	-	0.0	0.0	0.0	0.0			336.8	437.5	0.1	1.0	12.9	14.0
_																									=
November 14, 2024	Minimum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	121.0	134.0	0.0	0.0	9.0	9.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	562.3	1,708.0	7.4	30.0	22.0	29.0
Š	Average	0.0	0.0	0.0	0.0	-	-	-	-	•	-	-	-	0.0	0.0	0.0	0.0	•	-	222.9	350.3	0.4	2.4	14.5	17.1
November 15, 2024	Minimum	0.0	0.0	0.0	0.0	-		-		-		-		0.0	0.0	0.0	0.0			127.9	188.0	0.0	0.0	11.0	11.0
	Maximum	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-	919.1	2,267.0	16.5	41.0	25.5	37.0
Nove	Average	0.0	0.0	0.0	0.0	-	-	-	-		-	-	-	0.0	0.0	0.0	0.0		-	317.7	606.5	2.0	8.1	16.6	18.9
November 16, 2024	Minimum	0.0	0.0	0.0	0.0	-		-			-	-		0.0	0.0	0.0	0.0	-	-	216.3	227.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0				-		-		-	0.0	0.0	0.0	0.0			899.9	2,530.0	10.7	44.0	26.7	40.0
	Average	0.0	0.0	0.0	0.0	-	-	-			-	-	-	0.0	0.0	0.0	0.0	-	-	340.6	533.6	0.3	2.6	12.4	14.6
November 17, 2024	Minimum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			134.9	154.0	0.0	0.0	0.0	0.0
	Maximum	0.0	0.0	0.0	0.0									0.0	0.0	0.0	0.0			643.4	1,541.0	8.5	28.0	8.5	11.0
	Average	0.0	0.0	0.0	0.0				-		-	-	-	0.0	0.0	0.0	0.0	-		337.8	552.6	1.3	6.4	3.7	4.6
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.
- Station 2 shut down on 7/30/2024 due to technical problems and is scheduled for maintenance.
- 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.
- The Met Station experienced an outage due to system reconfiguration and shut down. Maintenance was conducted on 11/12/2024 and returned online.



Perimeter Air Monitoring Weekly Report

Real-Time Multigas Monitoring Bristol Landfill Air Investigation

November 11 - November 17, 2024

		Bristol Met Station											
Date	Daily Statistics	Wind Dir	Wind Speed	Temp	Rel Humidity	Baro							
		degrees	mph	°F	%	mbar							
, 2024	Minimum		0.0	72.5	-	946.1							
November 11, 2024	Maximum		-	72.5	-	950.1							
Noven	Average	0.0	0.0	72.5	-	948.2							
, 2024	Minimum		0.0	47.4	43.7	949.5							
November 12, 2024	Maximum		11.0	72.5	61.5	956.0							
Noven	Average	63.2	1.4	65.1	53.7	953.4							
, 2024	Minimum		0.0	42.6	25.8	952.6							
November 13, 2024	Maximum		15.0	62.2	67.3	959.8							
Noven	Average	73.3	5.0	51.5	46.9	956.2							
2024	Minimum		0.0	42.6	38.2	945.4							
November 14, 2024	Maximum		14.0	50.5	95.1	953.6							
Noven	Average	99.9	3.4	46.1	86.3	948.6							
. 2024	Minimum		0.0	44.7	78.0	947.6							
November 15, 2024	Maximum		9.0	51.9	96.9	952.2							
Novem	Average	252.4	1.7	47.9	89.5	950.6							
2024	Minimum		0.0	39.2	66.0	951.5							
November 16, 2024	Maximum		9.0	54.5	92.5	954.7							
Novem	Average	235.8	2.1	47.0	80.7	952.8							
2024	Minimum		0.0	34.6	46.4	951.7							
November 17, 2024	Maximum		9.0	62.9	95.4	956.1							
Novem	Average	141.4	1.8	47.2	75.6	953.2							

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.