

Gowanus CSO Tank - CP2 Daily CAMP Report

Date: 8/6/2024

This Daily Air Monitoring Report summarizes perimeter air monitoring data collected during the referenced period in accordance with the Community Air Monitoring Plan (CAMP) which was included as part of the requirements of Spec Section 01 57 00 Temporary Controls for the Gowanus CSO-GC-SFS-RH3 CP2 Contract. Note: the information included in this daily summary is based on preliminary results and is subject to change based on data validation.

Report Period:	Tuesday, August 6, 2024	
Weather	Temperature: 22.8-34.4 °C Precipitation: N/A inch Relative Humidity: 70%	Wind Speed: 0.52-2.47 m/s Prevailing Wind Direction: E
Summary of Site Activities	1. CAMP monitoring approximately 20 hours a day. 2. Permeation grouting operations and soil loadout. 3. There were no 15 min average exceedances for VOC and PM10. 4. AMS-1 is off-line awaiting repair due to a faulty sensor. A 5-gas meter will continue to be utilized at this location until AMS-1 can be brought online.	

Figure 1 - CAMP Station Locations



Daily Readings - VOCs

Data export

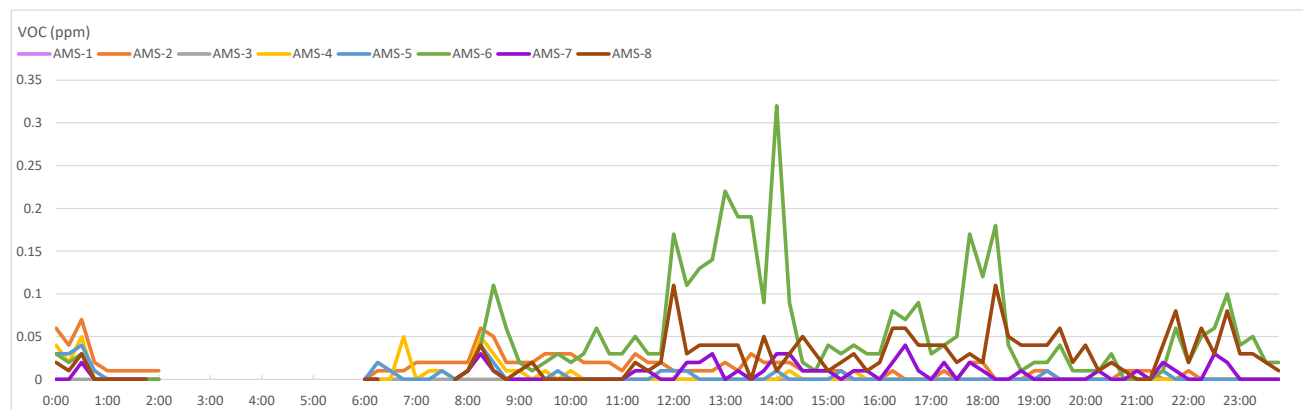
08/06/2024 00:00:00 to 08/06/2024 23:59:00

Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	VOC - AQS1 13032023-2241 (ppm)	VOC - AQS1 13032023-2244 (ppm)	VOC - AQS1 13032023-2240 (ppm)	VOC - AQS1 13032023-2238 (ppm)	VOC - AQS1 13032023-2239 (ppm)	VOC - AQS1 13032023-2237 (ppm)	VOC - AQS1 13032023-2243 (ppm)	VOC - AQS1 13032023-2242 (ppm)
8/6/2024 0:00		0.06	0	0.04	0.03	0.03	0	0.02
8/6/2024 0:15		0.04	0	0.02	0.03	0.02	0	0.01
8/6/2024 0:30		0.07	0	0.05	0.04	0.03	0.02	0.03
8/6/2024 0:45		0.02	0	0	0.01	0	0	0
8/6/2024 1:00		0.01	0	0	0	0	0	0
8/6/2024 1:15		0.01	0	0	0	0	0	0
8/6/2024 1:30		0.01	0	0	0	0	0	0
8/6/2024 1:45		0.01	0	0	0	0	0	0
8/6/2024 2:00		0.01	0	0	0	0		
8/6/2024 2:15								
8/6/2024 2:30								
8/6/2024 2:45								
8/6/2024 3:00								
8/6/2024 3:15								
8/6/2024 3:30								
8/6/2024 3:45								
8/6/2024 4:00								
8/6/2024 4:15								
8/6/2024 4:30								
8/6/2024 4:45								
8/6/2024 5:00								
8/6/2024 5:15								
8/6/2024 5:30								
8/6/2024 5:45								
8/6/2024 6:00		0	0	0	0	0	0	0
8/6/2024 6:15		0.01	0	0	0.02		0	0
8/6/2024 6:30		0.01	0	0	0.01			
8/6/2024 6:45		0.01	0	0.05	0			
8/6/2024 7:00		0.02	0	0	0			
8/6/2024 7:15		0.02	0	0.01	0			
8/6/2024 7:30		0.02	0	0.01	0.01			
8/6/2024 7:45		0.02	0	0	0	0	0	0
8/6/2024 8:00		0.02	0	0.01	0.01	0.01	0.01	0.01
8/6/2024 8:15		0.06	0	0.05	0.04	0.04	0.03	0.04
8/6/2024 8:30		0.05	0	0.03	0.02	0.11	0.01	0.01
8/6/2024 8:45		0.02	0	0.01	0	0.06	0	0
8/6/2024 9:00		0.02	0	0.01	0	0.02	0	0.01
8/6/2024 9:15		0.02	0	0	0	0.01	0	0.02
8/6/2024 9:30		0.03	0	0.01	0	0.02	0	0
8/6/2024 9:45		0.03	0	0	0.01	0.03	0	0
8/6/2024 10:00		0.03	0	0.01	0	0.02	0	0
8/6/2024 10:15		0.02	0	0	0	0.03	0	0
8/6/2024 10:30		0.02	0	0	0	0.06	0	0
8/6/2024 10:45		0.02	0	0	0	0.03	0	0
8/6/2024 11:00		0.01	0	0	0	0.03	0	0
8/6/2024 11:15		0.03	0	0	0	0.05	0.01	0.02
8/6/2024 11:30		0.02	0	0	0	0.03	0.01	0.01
8/6/2024 11:45		0.02	0	0	0.01	0.03	0	0.02
8/6/2024 12:00		0.01	0	0	0.01	0.17	0	0.11
8/6/2024 12:15		0.01	0	0	0.01	0.11	0.02	0.03
8/6/2024 12:30		0.01	0	0	0	0.13	0.02	0.04
8/6/2024 12:45		0.01	0	0	0	0.14	0.03	0.04
8/6/2024 13:00		0.02	0	0	0	0.22	0	0.04
8/6/2024 13:15		0.01	0	0	0	0.19	0.01	0.04
8/6/2024 13:30		0.03	0	0	0	0.19	0	0
8/6/2024 13:45		0.02	0	0	0	0.09	0.01	0.05
8/6/2024 14:00		0.02	0	0	0.01	0.32	0.03	0.01
8/6/2024 14:15		0.02	0	0.01	0	0.09	0.03	0.03
8/6/2024 14:30		0.01	0	0	0	0.02	0.01	0.05
8/6/2024 14:45		0.01	0	0	0	0.01	0.01	0.03
8/6/2024 15:00		0.01	0	0	0	0.04	0.01	0.01
8/6/2024 15:15		0.01	0	0	0.01	0.03	0	0.02
8/6/2024 15:30		0	0	0.01	0	0.04	0.01	0.03
8/6/2024 15:45		0	0	0	0	0.03	0.01	0.01
8/6/2024 16:00		0	0	0	0	0.03	0	0.02
8/6/2024 16:15		0.01	0	0	0	0.08	0.02	0.06
8/6/2024 16:30		0	0	0	0	0.07	0.04	0.06
8/6/2024 16:45		0	0	0	0	0.09	0.01	0.04

Daily Readings - VOCs
Data export
08/06/2024 00:00:00 to 08/06/2024 23:59:00
Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	VOC - AQS1 13032023-2241 (ppm)	VOC - AQS1 13032023-2244 (ppm)	VOC - AQS1 13032023-2240 (ppm)	VOC - AQS1 13032023-2238 (ppm)	VOC - AQS1 13032023-2239 (ppm)	VOC - AQS1 13032023-2237 (ppm)	VOC - AQS1 13032023-2243 (ppm)	VOC - AQS1 13032023-2242 (ppm)
8/6/2024 17:00		0	0	0	0	0.03	0	0.04
8/6/2024 17:15		0.01	0	0	0	0.04	0.02	0.04
8/6/2024 17:30		0	0	0	0	0.05	0	0.02
8/6/2024 17:45		0.02	0	0	0	0.17	0.02	0.03
8/6/2024 18:00		0.02	0	0	0	0.12	0.01	0.02
8/6/2024 18:15		0	0	0	0	0.18	0	0.11
8/6/2024 18:30		0	0	0	0	0.04	0	0.05
8/6/2024 18:45		0	0	0	0	0.01	0.01	0.04
8/6/2024 19:00		0.01	0	0	0	0.02	0	0.04
8/6/2024 19:15		0.01	0	0	0.01	0.02	0	0.04
8/6/2024 19:30		0	0	0	0	0.04	0	0.06
8/6/2024 19:45		0	0	0	0	0.01	0	0.02
8/6/2024 20:00		0	0	0	0	0.01	0	0.04
8/6/2024 20:15		0	0	0	0	0.01	0.01	0.01
8/6/2024 20:30		0	0	0	0	0.03	0	0.02
8/6/2024 20:45		0.01	0	0	0	0	0	0.01
8/6/2024 21:00		0.01	0	0	0	0	0.01	0
8/6/2024 21:15		0.01	0	0	0	0	0	0
8/6/2024 21:30		0	0	0	0.01	0.01	0.02	0.04
8/6/2024 21:45		0	0	0	0	0.06	0.01	0.08
8/6/2024 22:00		0.01	0	0	0	0.02	0	0.02
8/6/2024 22:15		0	0	0	0	0.05	0	0.06
8/6/2024 22:30		0	0	0	0	0.06	0.03	0.03
8/6/2024 22:45		0	0	0	0	0.1	0.02	0.08
8/6/2024 23:00		0	0	0	0	0.04	0	0.03
8/6/2024 23:15		0	0	0	0	0.05	0	0.03
8/6/2024 23:30		0	0	0	0	0.02	0	0.02
8/6/2024 23:45		0	0	0	0	0.02	0	0.01



Target Analyte	Admin Level	Normal (green)	Alert Limit (yellow)	Response Limit (orange)	Action Limit (red)
Volatile Organic Compounds *	Between 0.3 and < 0.5 ppm as a 15 minute TWA	Below or equal to 0.5 ppm as a 15 minute TWA	>0.5 ppm and <=0.75 ppm as a 15 minute TWA or odors are	>0.75 to < 1.0 ppm as a 15 minute TWA or odors are observed	>=1 ppm as a 15 minute TWA or if odors are observed**

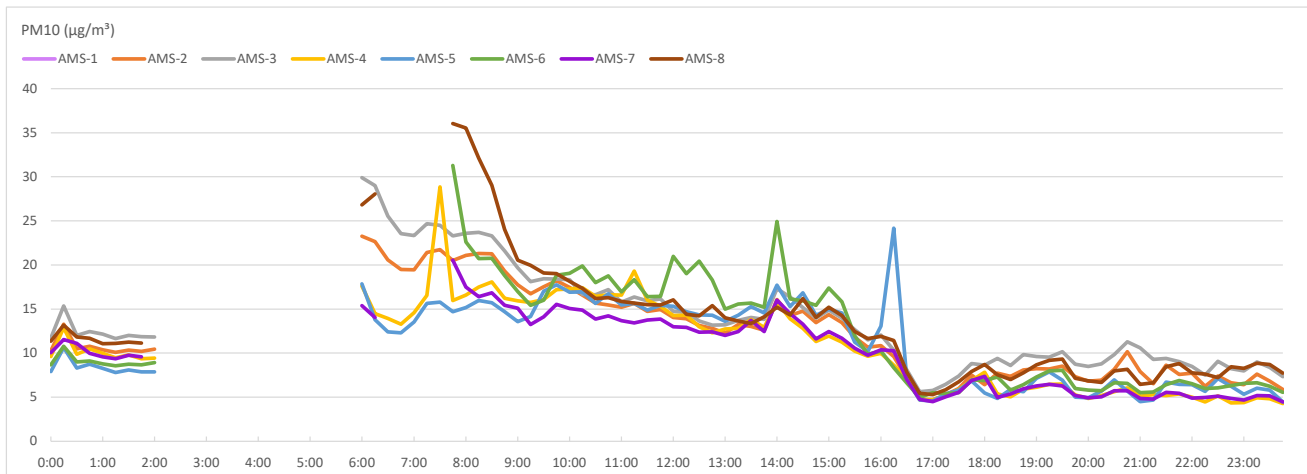
See last page for responses required for alert levels

Daily Readings - PM10
 Data export
 08/06/2024 00:00:00 to 08/06/2024 23:59:00
 Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	PM10 - AQS1 13032023-2241 (µg/m³)	PM10 - AQS1 13032023-2244 (µg/m³)	PM10 - AQS1 13032023-2240 (µg/m³)	PM10 - AQS1 13032023-2238 (µg/m³)	PM10 - AQS1 13032023-2239 (µg/m³)	PM10 - AQS1 13032023-2237 (µg/m³)	PM10 - AQS1 13032023-2243 (µg/m³)	PM10 - AQS1 13032023-2242 (µg/m³)
8/6/2024 0:00		10.27	11.73	9.6	7.91	8.65	10.06	11.36
8/6/2024 0:15		13.27	15.35	12.89	10.62	10.77	11.52	13.16
8/6/2024 0:30		10.5	12.01	9.87	8.32	8.98	11.09	11.81
8/6/2024 0:45		10.77	12.44	10.47	8.74	9.09	9.96	11.67
8/6/2024 1:00		10.39	12.15	9.98	8.25	8.77	9.56	11.07
8/6/2024 1:15		10.08	11.64	9.47	7.8	8.57	9.37	11.09
8/6/2024 1:30		10.34	12.01	9.78	8.08	8.73	9.76	11.23
8/6/2024 1:45		10.19	11.88	9.34	7.86	8.66	9.59	11.13
8/6/2024 2:00		10.46	11.83	9.43	7.86	8.93		
8/6/2024 2:15								
8/6/2024 2:30								
8/6/2024 2:45								
8/6/2024 3:00								
8/6/2024 3:15								
8/6/2024 3:30								
8/6/2024 3:45								
8/6/2024 4:00								
8/6/2024 4:15								
8/6/2024 4:30								
8/6/2024 4:45								
8/6/2024 5:00								
8/6/2024 5:15								
8/6/2024 5:30								
8/6/2024 5:45								
8/6/2024 6:00		23.28	29.9	17.61	17.85	18.57	15.38	26.81
8/6/2024 6:15		22.63	29	14.47	13.79		14.03	28.04
8/6/2024 6:30		20.58	25.56	13.93	12.42			
8/6/2024 6:45		19.48	23.55	13.28	12.31			
8/6/2024 7:00		19.45	23.33	14.6	13.53			
8/6/2024 7:15		21.4	24.66	16.55	15.65			
8/6/2024 7:30		21.72	24.49	28.87	15.78			
8/6/2024 7:45		20.49	23.3	15.97	14.71	31.29	20.53	36.05
8/6/2024 8:00		21.07	23.6	16.59	15.18	22.62	17.48	35.53
8/6/2024 8:15		21.29	23.68	17.48	15.98	20.72	16.39	32.11
8/6/2024 8:30		21.26	23.3	18.06	15.71	20.74	16.82	29.04
8/6/2024 8:45		19.32	21.59	16.23	14.68	18.79	15.41	24.02
8/6/2024 9:00		17.75	19.68	15.92	13.58	16.99	15.1	20.54
8/6/2024 9:15		16.72	18.12	15.74	14.15	15.42	13.24	19.95
8/6/2024 9:30		17.52	18.43	16.06	17	16	14.1	19.09
8/6/2024 9:45		18.21	18.39	17.21	17.74	18.85	15.54	19.03
8/6/2024 10:00		17.47	18.33	17.27	16.92	19.04	15.07	18.14
8/6/2024 10:15		16.59	16.65	17.42	16.93	19.9	14.88	17.36
8/6/2024 10:30		15.69	16.61	16.44	15.64	18.01	13.86	16.2
8/6/2024 10:45		15.45	17.19	16.6	16.71	18.75	14.22	16.3
8/6/2024 11:00		15.2	15.77	16.58	15.44	16.94	13.66	15.84
8/6/2024 11:15		15.63	16.38	19.32	15.62	18.34	13.44	15.67
8/6/2024 11:30		14.73	15.94	15.99	14.87	16.41	13.75	15.5
8/6/2024 11:45		14.93	16.16	15.3	15.42	16.43	13.86	15.46
8/6/2024 12:00		14.04	14.72	14.26	15.3	20.96	13	16.03
8/6/2024 12:15		13.91	14.62	14.29	14.7	19	12.91	14.4
8/6/2024 12:30		13.14	13.63	13	14.33	20.44	12.38	14.21
8/6/2024 12:45		12.81	13.18	12.29	14.29	18.28	12.4	15.38
8/6/2024 13:00		12.25	13.21	12.72	13.62	15	12.01	13.99
8/6/2024 13:15		13.25	13.72	12.81	14.28	15.56	12.43	13.65
8/6/2024 13:30		13.01	14.05	13.84	15.29	15.67	13.71	13.36
8/6/2024 13:45		12.59	13.84	12.9	14.54	15.2	12.45	14.12
8/6/2024 14:00		16.08	17.32	15.77	17.71	24.94	15.99	15.19
8/6/2024 14:15		14.25	16.35	13.89	15.28	16.15	14.47	14.33
8/6/2024 14:30		14.76	15.16	12.8	16.82	15.91	13.29	16.18
8/6/2024 14:45		13.46	13.95	11.3	14.28	15.42	11.61	14.05
8/6/2024 15:00		14.36	14.88	11.93	14.99	17.37	12.45	15.21
8/6/2024 15:15		13.45	13.95	11.26	14.54	15.82	11.67	14.26
8/6/2024 15:30		11.8	12.65	10.23	11.24	11.98	10.57	12.44
8/6/2024 15:45		10.65	11.49	9.66	10.18	9.87	9.77	11.65
8/6/2024 16:00		10.84	12.06	9.98	13.05	10.23	10.39	11.91
8/6/2024 16:15		9.6	10.35	8.62	24.17	8.34	10.27	11.43

Daily Readings - PM10
Data export
08/06/2024 00:00:00 to 08/06/2024 23:59:00
Averaging period: 15 minutes

Time	AMS-1	AMS-2	AMS-3	AMS-4	AMS-5	AMS-6	AMS-7	AMS-8
	PM10 - AQS1 13032023-2241 (µg/m³)	PM10 - AQS1 13032023-2244 (µg/m³)	PM10 - AQS1 13032023-2240 (µg/m³)	PM10 - AQS1 13032023-2238 (µg/m³)	PM10 - AQS1 13032023-2239 (µg/m³)	PM10 - AQS1 13032023-2237 (µg/m³)	PM10 - AQS1 13032023-2243 (µg/m³)	PM10 - AQS1 13032023-2242 (µg/m³)
8/6/2024 16:30		7.15	8.08	7.1	6.97	6.6	6.99	7.84
8/6/2024 16:45		4.7	5.62	4.79	4.67	4.97	4.73	5.45
8/6/2024 17:00		4.7	5.76	4.7	4.56	5.51	4.5	5.31
8/6/2024 17:15		5.25	6.46	5.19	5.37	5.39	5.03	5.85
8/6/2024 17:30		5.99	7.38	5.87	5.81	5.52	5.56	6.74
8/6/2024 17:45		7.49	8.83	6.89	6.84	6.95	6.9	7.92
8/6/2024 18:00		6.41	8.63	7.84	5.47	6.89	7.35	8.69
8/6/2024 18:15		7.71	9.38	5.38	4.85	7.3	4.98	7.54
8/6/2024 18:30		7.36	8.6	5.05	5.87	5.79	5.37	7.01
8/6/2024 18:45		8.1	9.83	5.9	5.61	6.43	5.96	7.77
8/6/2024 19:00		8.23	9.61	6.11	7.15	7.28	6.28	8.67
8/6/2024 19:15		8.21	9.53	6.45	7.87	7.97	6.45	9.18
8/6/2024 19:30		8.51	10.15	6.49	6.91	8.05	6.27	9.31
8/6/2024 19:45		7.33	8.74	5.26	5.01	5.98	5.2	7.14
8/6/2024 20:00		6.82	8.48	4.86	4.92	5.79	4.91	6.87
8/6/2024 20:15		6.91	8.77	5.18	5.68	5.74	5.05	6.67
8/6/2024 20:30		8.16	9.83	5.63	6.95	6.62	5.74	7.98
8/6/2024 20:45		10.16	11.27	6.07	5.7	6.57	5.74	8.15
8/6/2024 21:00		7.9	10.59	5.11	4.51	5.51	4.86	6.47
8/6/2024 21:15		6.54	9.3	5.3	4.66	5.58	4.8	6.62
8/6/2024 21:30		8.64	9.4	5.19	6.72	6.4	5.56	8.45
8/6/2024 21:45		7.59	9.04	5.36	6.44	6.88	5.45	8.83
8/6/2024 22:00		7.71	8.47	4.99	6.42	6.51	4.88	7.76
8/6/2024 22:15		6.23	7.49	4.46	5.67	5.97	4.97	7.62
8/6/2024 22:30		7.39	9.05	5.14	7.1	6.04	5.11	7.21
8/6/2024 22:45		6.64	8.24	4.35	6.23	6.32	4.85	8.45
8/6/2024 23:00		6.4	7.98	4.4	5.34	6.56	4.67	8.26
8/6/2024 23:15		7.61	8.99	4.91	6	6.64	5.17	8.86
8/6/2024 23:30		6.81	8.37	4.83	5.81	6.23	5.14	8.72
8/6/2024 23:45		5.86	7.33	4.29	4.48	5.55	4.47	7.73



Target Analyte	Admin Level	Normal (green)	Alert Limit (yellow)	Response Limit (orange)	Action Limit (red)
Respirable particulate matter (PM10) *	>75 ug/m3 to 100 ug/m3 as a 15 minute TWA	<=100 ug/m3 as a 15 minute TWA	>100 ug/m3 and <=150 ug/m3 as a 15 minute TWA	See Alert Limit criteria	>150 ug/m3 as a 15 minute TWA

See last page for responses required for alert levels

Alert Level Responses

Site Condition	Corrective Action
Operational Condition (green) (VOC ≤0.5 ppm, PM10 ≤100 ug/m3)	• Normal site operations – No Response Action Required
Alert Condition (yellow) (VOC >0.5 and ≤ 0.75 ppm, PM10 >100 ug/m3 to ≤150 ug/m3)	• Assessment by the Air Monitoring Technician to evaluate potential cause of elevated concentration level. Note observation in the site log book.
Response Condition (orange) (VOC > 0.75 to <1.0 ppm, PM10 -Not Defined in DEP CAMP)	• Assess site conditions. • Take appropriate dust or vapor control measures including application of water or modification of work activities. • Temporarily halt operations to assess conditions • Note observation in the site log book.
Action Conditions (red) (VOC ≥1.0 ppm, PM10 >150 ug/m3)	• Stop current work activity in the Action alarm area. • Run gas chromatography screening on VOC levels greater than 1 ppm to establish potential presence of benzene. • If benzene levels are not detected or are less than 1.0 ppm, work may resume. • Assess site conditions. • Take appropriate action steps to correct conditions. • Commence work activities and monitor air results/concentrations to ensure that corrective measures are effective. • Note observation in the site log book.