

Weekly Report No.: 033

Period: 03/27/23 through 04/02/23

FILE NO: 03.0034060.10

This Weekly 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 NYSDEC approved Remedial Action Work Plan for the Former Fulton Manufactured Gas Plant (MGP) Site – Parcel III and Portion of Parcel IV.

CAMP Monitoring Approach

Air monitoring was performed during the reporting period in accordance with the CAMP. Air Monitoring location for the reporting period is shown on **Figure 1.** The air monitoring program consists of:

- Continuous monitoring for total volatile organic compounds (TVOCs) and airborne particulate dust (PM₁₀) concentrations at the five air monitoring stations (AMS-1 through AMS-5).
- Compound-specific monitoring for benzene and tri-chloroethylene (TCE) if the TVOC concentration is greater than the alert level (i.e., 3.75 ppm above background) at the station.
- Continuous monitoring of weather conditions.
- Periodic monitoring for TVOCs and PM₁₀ along Degraw Street using handheld equipment.
- Periodic observational monitoring for MGP-related odors and visible dust around the perimeter of the Site.

Action and Alert levels for monitored parameters are included in **Table 1**.

Air Monitoring Summary

During the reporting period, GZA collected air monitoring data consisting of TVOC and PM_{10} concentrations with the five air monitoring stations and using handheld instruments along Degraw Street. GZA also conducted observational monitoring for MGP-related odors and visible dust around the perimeter of the Site.

There were no TVOCs or PM_{10} concentrations above the CAMP-established action levels during the reporting period. Figures 2 and 3 summarize the TVOC and PM_{10} concentrations, respectively, recorded during the reporting period.

CAMP station AMS-5 experienced a loss of power on Sunday, April 2nd, and no data was recorded by the station from approximately 10:45 AM to 3:05 PM. GZA reported to the Site and restored power to AMS-5. There were no elevated TVOC or PM10 concentrations recorded at the other stations and there was no work being performed on the Site during this period (weekend).

There were no observations of dust or odors associated with the Site during the reporting period. **Table 2** summarizes the observational monitoring for MGP-related dust and odors during the reporting period.

There were no community inquiries received during the reporting period.

Daily Monitoring Reports 224 through 230 are attached and provide detailed information regarding air monitoring results and Site activities for each day during the reporting period.

Attachments:

Daily Monitoring Reports 224 through 230



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Figure 1 - CAMP Station Locations



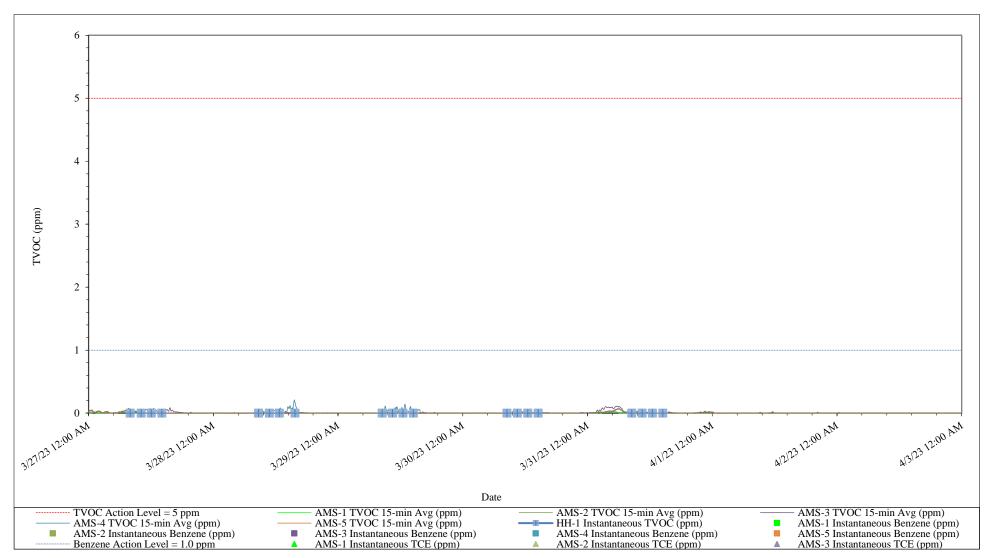
CAMP air monitoring station locations from 03/27/23 at 12:00 AM (beginning of reporting period), until 04/02/23 at 11:59 PM (end of reporting period).



Period: 03/27/23 through 04/02/23

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Figure 2 – Summary of TVOC, Benzene, and Tri-chloroethylene Concentrations 03/27/23 through 04/02/23



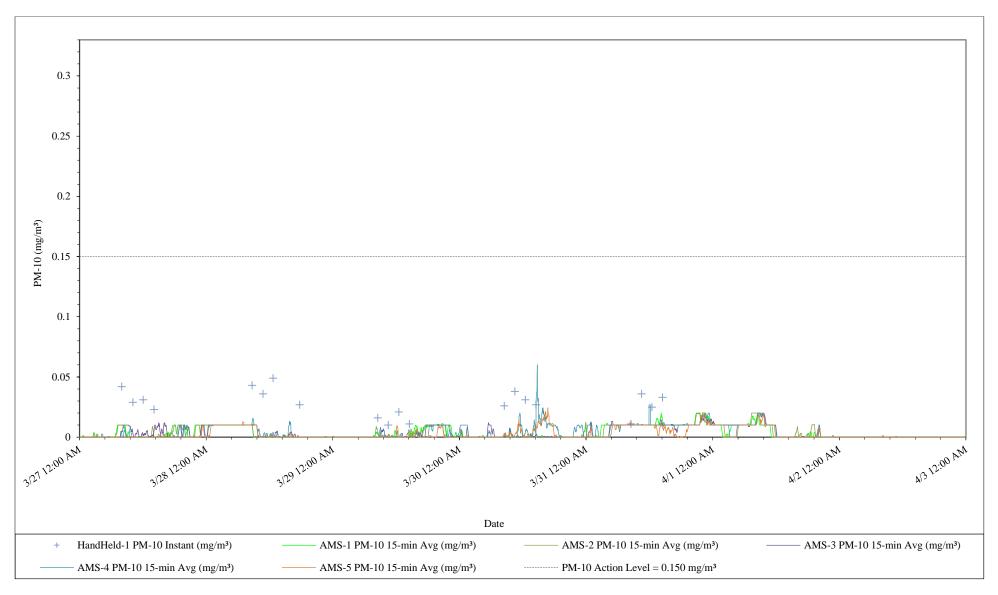
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Figure 3 – Summary of PM_{10} Concentrations 03/27/23 through 04/02/23



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TABLE 1 – ALERT AND ACTION LEVELS

Parameter	Basis of Measurement	Alert Level	Action Level
Total Volatile Organic Compounds (TVOCs)	15-minute TWA	3.75 ppm	5.0 ppm above background
Benzene	Instantaneous Concentration	0.5 ppm	1.0 ppm above background
Particulate Dust (PM ₁₀)	15-minute TWA	0.100 mg/m ³	0.150 mg/m³ above background
	Visible Observation	N/A	Visible Dust Leaving Site
MGP-Related Odors	Intensity	N/A	3

Notes:

- 1. ppm: parts per million
- 2. N/A: not applicable
- 3. TWA: Time-weighted average
- 4. Odor intensity is measured on an eight-point n-butanol scale, as adapted from ASTME E544.

TABLE 2 – SUMMARY OF WORKDAY ODOR AND VISIBLE DUST MONITORING

Date	Nuisance Odors (Yes/No)	Visible Dust (Yes/No)	Notes
03/27/23	No	No	-
03/28/23	No	No	-
03/29/23	No	No	-
03/30/23	No	No	-
03/31/23	No	No	-

Notes:

1. Observations made during working hours only around the perimeter of the Site.



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Reporting Period:	Monday, March 27, 2023					
Weather	Temperature: 43.50 – 61.00°F Preci		pitation: 0.54 in	Relative Humidity: 47%		
	Wind Speed: 0.2 – 6.9 mph		Prevailing Wind Direct	tion: ESE		
Concentrations detected	AMS-1: none		AMS-4: none			
above the Action Level	AMS-2: none		AMS-5: none			
	AMS-3: none		HH-1 (handheld readings along Degraw St): none			
Summary of Site	GZA continued CAMP monitoring 24 hours per day.					
Activities	CEI began removing an obstru	uction	between gas holder 3 a	and 4.		
	CEI continued with general site housekeeping activities.					
Community Inquiries	• None					
Other	None					

Figure 1 - CAMP Station Locations



Daily Report No.: 224



DATE: 03/27/23 Daily Report No.: 224

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
03/27/2023	8:00 AM	HH-1	0.0	0.042	-
03/27/2023	10:07 AM	HH-1	0.0	0.029	-
03/27/2023	12:03 PM	HH-1	0.0	0.031	-
03/27/2023	2:06 PM	HH-1	0.0	0.023	-

TABLE 2 – ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
03/27/2023	8:41 AM	NO	NO	-
03/27/2023	10:48 AM	NO	NO	-
03/27/2023	12:44 PM	NO	NO	-
03/27/2023	2:47 PM	NO	NO	-

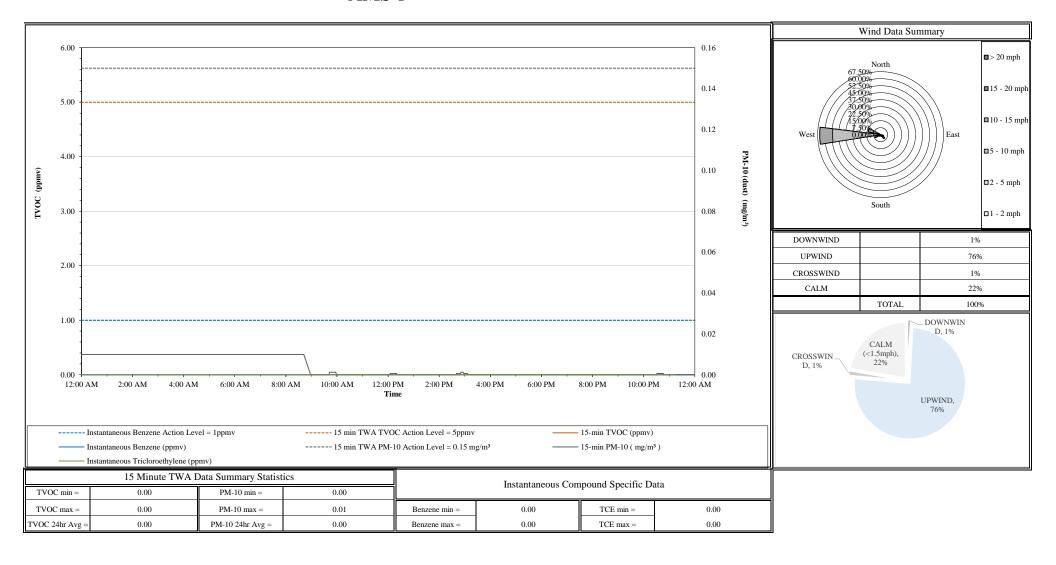
Attachments:

Daily Data Summary – Air Monitoring Stations 1 through 5

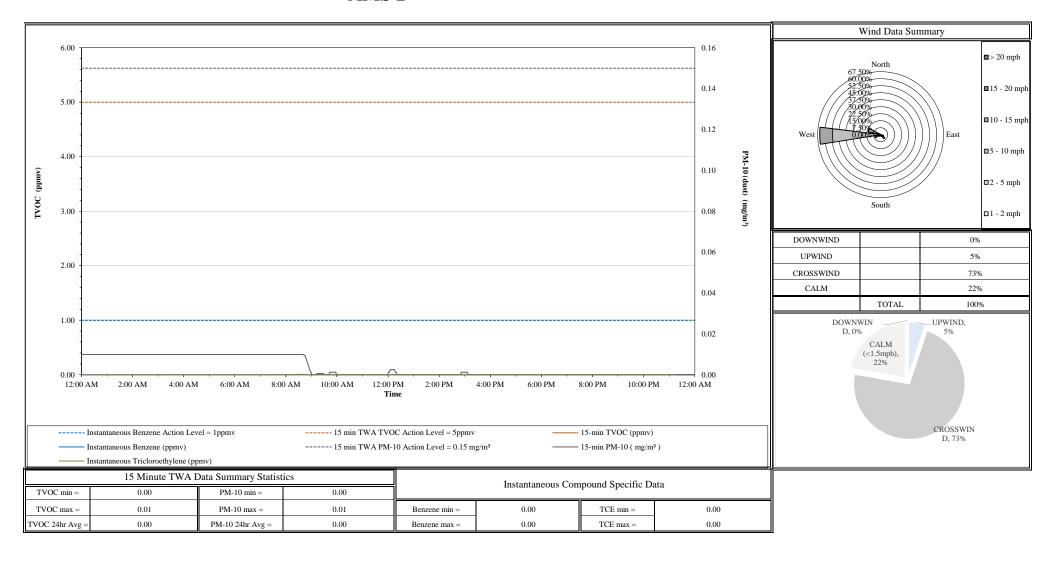
Prepared by: Geder Mena Reviewed by: Dan Amate

Engineer I Associate Principal

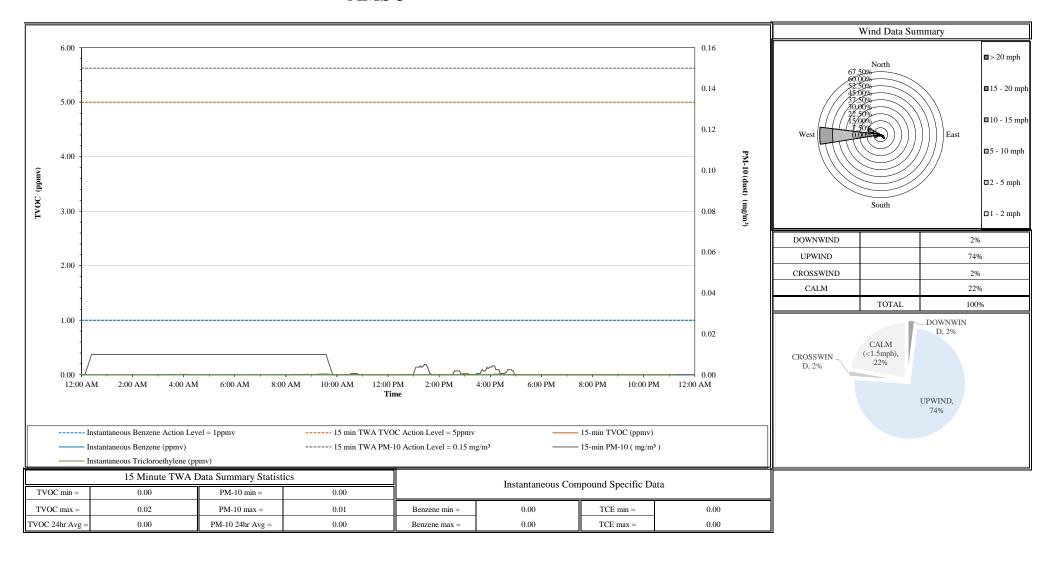
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



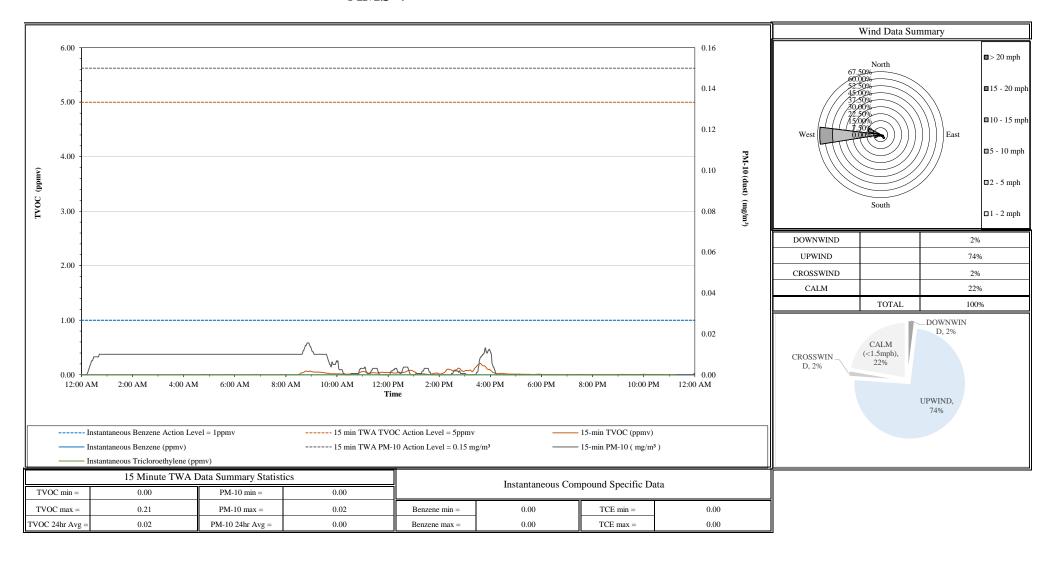
AMS 2



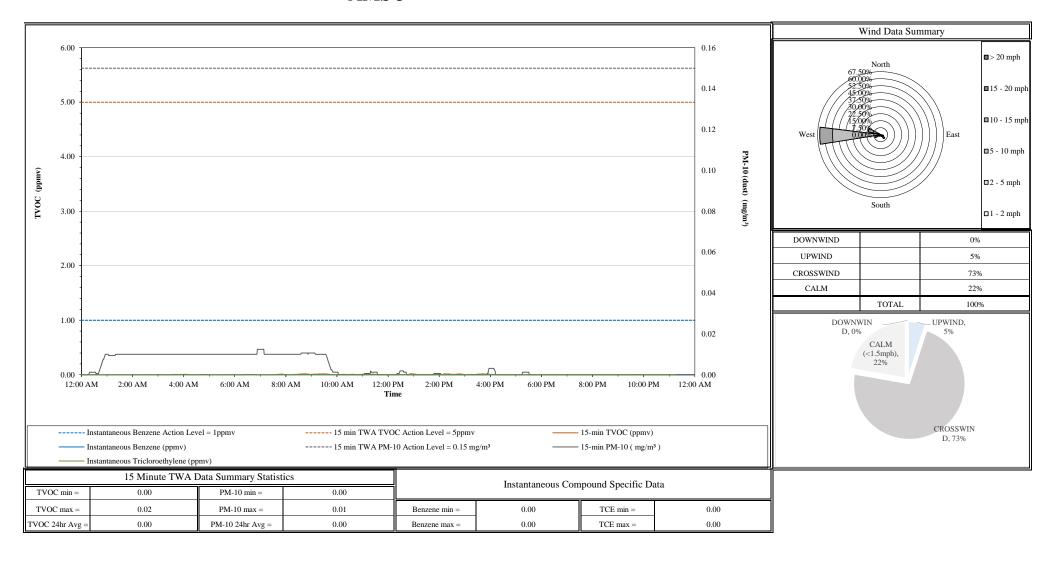
AMS 3



AMS 4



AMS 5





DATE: 03/28/23

FILE NO: 03.0034060.10

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Reporting Period:	Tuesday, March 28, 2023				
Weather	Temperature: 43.00 – 52.50°F Preci		pitation: 0.00 in	Relative Humidity: 60%	
	Wind Speed: 0.2 – 10.1 mph		Prevailing Wind Direct	tion: W	
Concentrations detected	AMS-1: none		AMS-4: none		
above the Action Level	AMS-2: none		AMS-5: none		
	AMS-3: none		HH-1 (handheld readings along Degraw St): none		
Summary of Site	GZA continued CAMP monitoring 24 hours per day.				
Activities	CEI continued removing an ol	ostruc	tion between gas holde	er 3 and 4.	
	CEI continued with general site housekeeping activities.				
Community Inquiries	• None				
Other	None				

Figure 1 - CAMP Station Locations



Daily Report No.: 225



DATE: 03/28/23 Daily Report No.: 225

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
03/28/2023	8:42 AM	HH-1	0.0	0.043	-
03/28/2023	10:46 AM	HH-1	0.0	0.036	
					-
03/28/2023	12:41 PM	HH-1	0.0	0.049	-
03/28/2023	3:43 PM	HH-1	0.0	0.027	-

TABLE 2 – ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
03/28/2023	8:41 AM	NO	NO	-
03/28/2023	10:45 AM	NO	NO	-
03/28/2023	12:40 PM	NO	NO	-
03/28/2023	3:44 PM	NO	NO	-

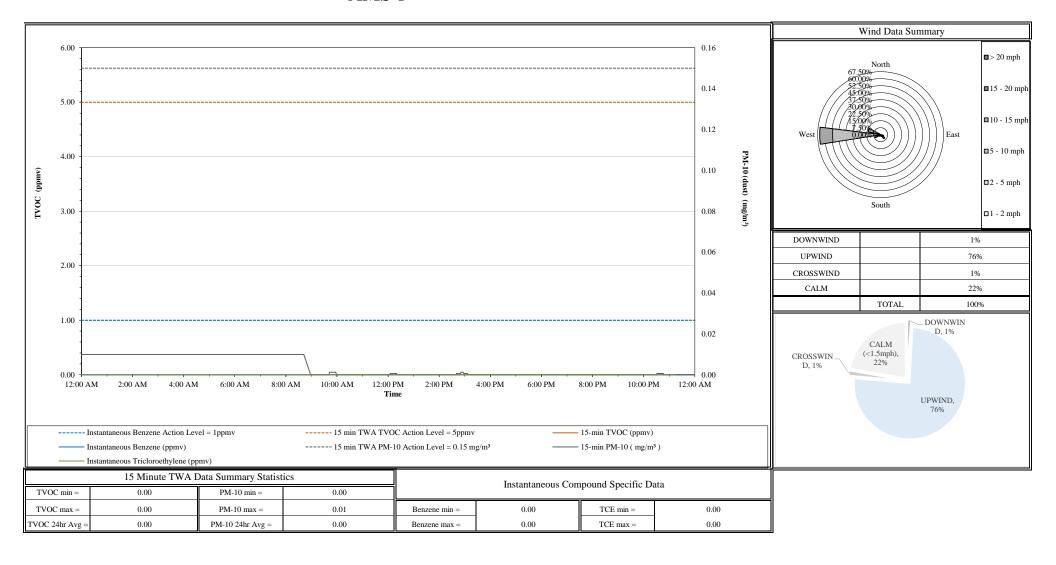
Attachments:

Daily Data Summary – Air Monitoring Stations 1 through 5

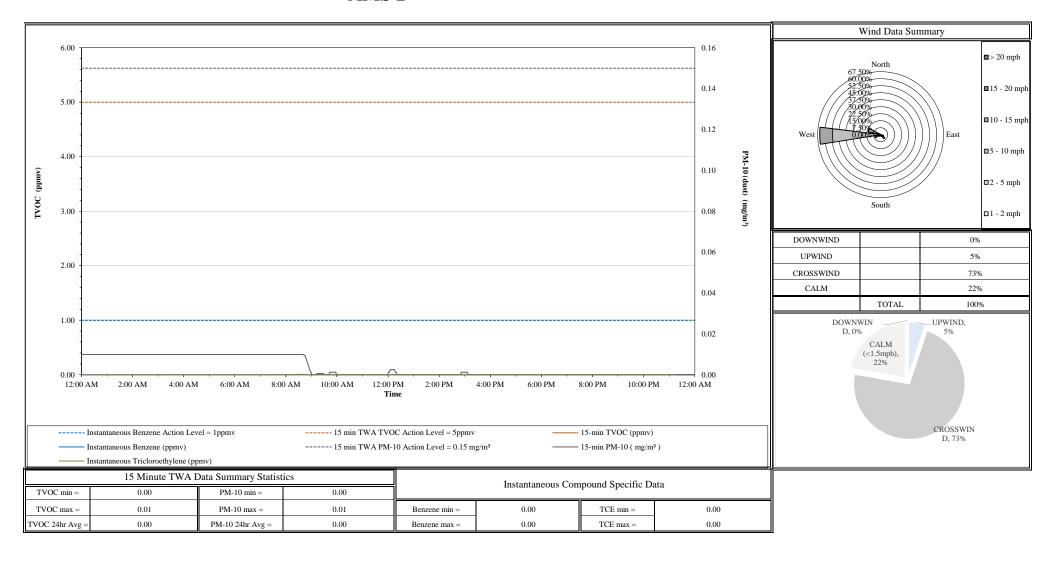
Prepared by: Geder Mena Reviewed by: Dan Amate

Engineer I Associate Principal

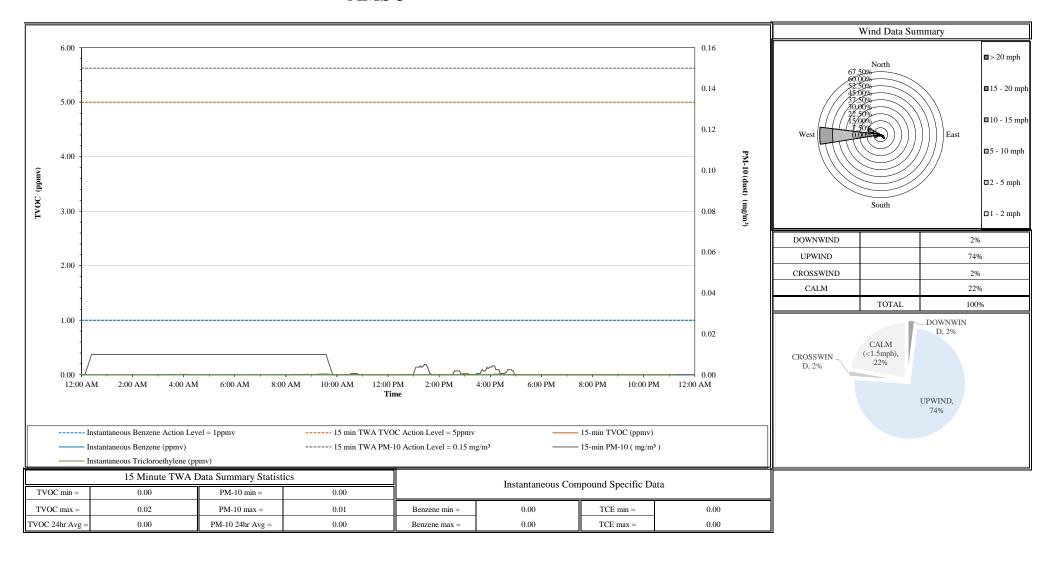
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



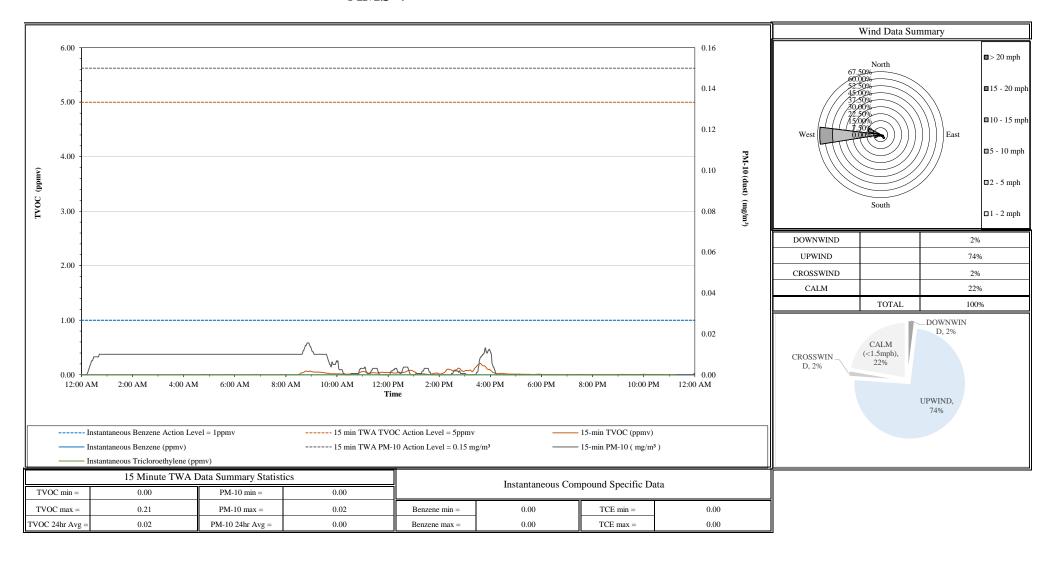
AMS 2



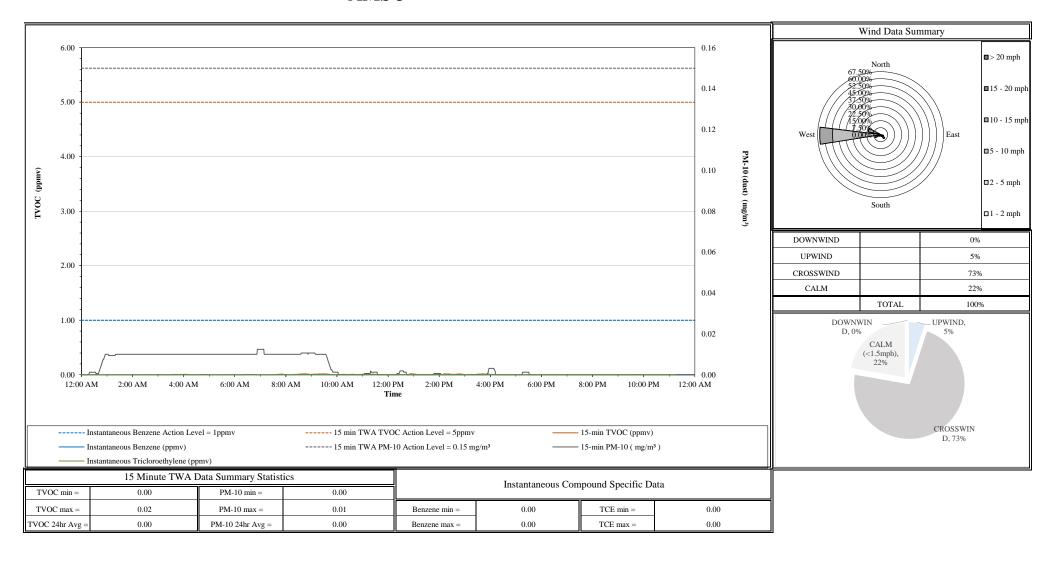
AMS 3



AMS 4



AMS 5





DATE: 03/29/23

FILE NO: 03.0034060.10

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Reporting Period:	Wednesday, March 29, 2023				
Weather	Temperature: 46.35 – 55.90°F Pred	cipitation: 0.00 in	Relative Humidity: 43%		
	Wind Speed: 0.2 – 7.06 mph	Prevailing Wind Direct	tion: W		
Concentrations detected	AMS-1: none	AMS-4: none			
above the Action Level	AMS-2: none	AMS-5: none			
	AMS-3: none	HH-1 (handheld readings along Degraw St): none			
Summary of Site	GZA continued CAMP monitoring 24 hours per day.				
Activities	CEI completed removing the obstruction between gas holders 3 and 4 and began backfilling.				
Community Inquiries	• None				
Other	None				

Figure 1 - CAMP Station Locations



Daily Report No.: 226



DATE: 03/29/23 Daily Report No.: 226

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
03/29/2023	8:30 AM	HH-1	0.0	0.016	-
03/29/2023	10:30 AM	HH-1	0.0	0.010	-
03/29/2023	12:30 PM	HH-1	0.0	0.021	-
03/29/2023	3:30 PM	HH-1	0.0	0.011	-

TABLE 2 - ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
03/29/2023	8:30 AM	NO	NO	-
03/29/2023	10:30 AM	NO	NO	-
03/29/2023	12:30 PM	NO	NO	-
03/29/2023	3:30 PM	NO	NO	-

Attachments:

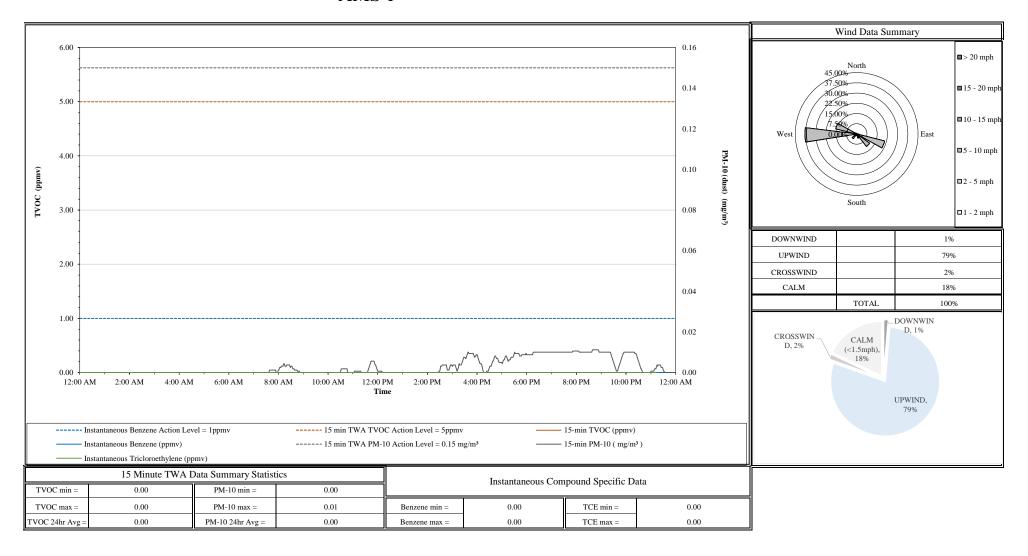
Daily Data Summary – Air Monitoring Stations 1 through 5

Prepared by: Nolan Quinn Reviewed by: Dan Amate

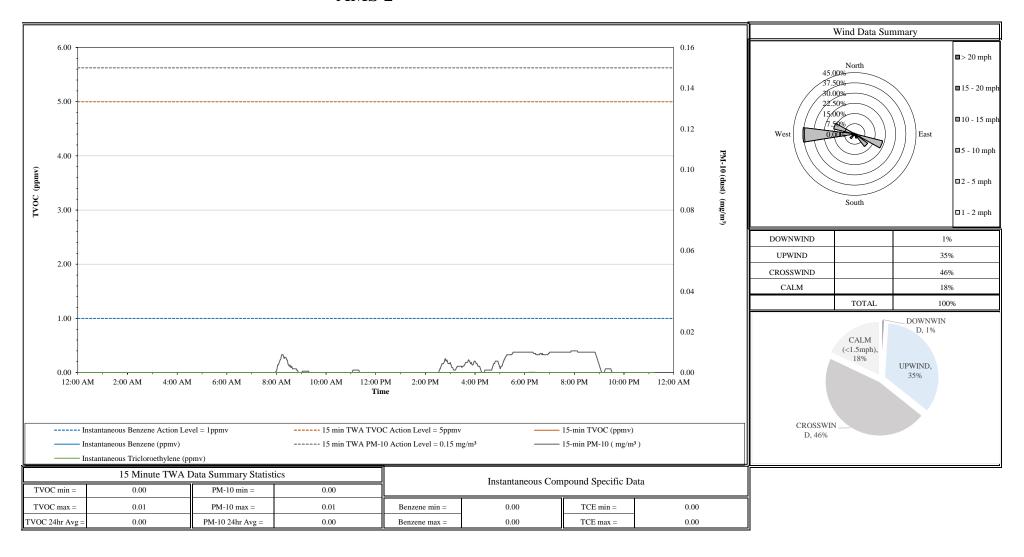
Engineer II Associate Principal

Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY

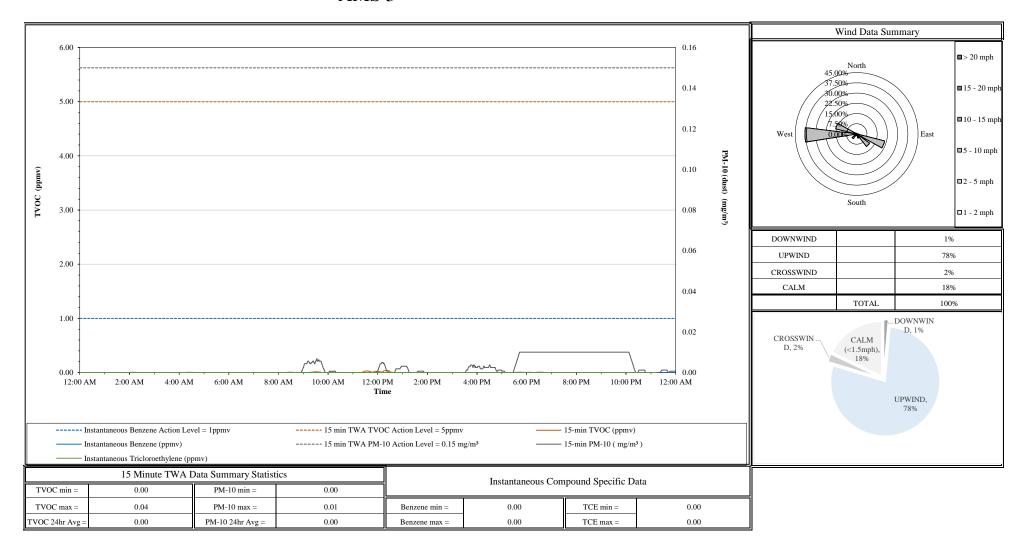
AMS₁



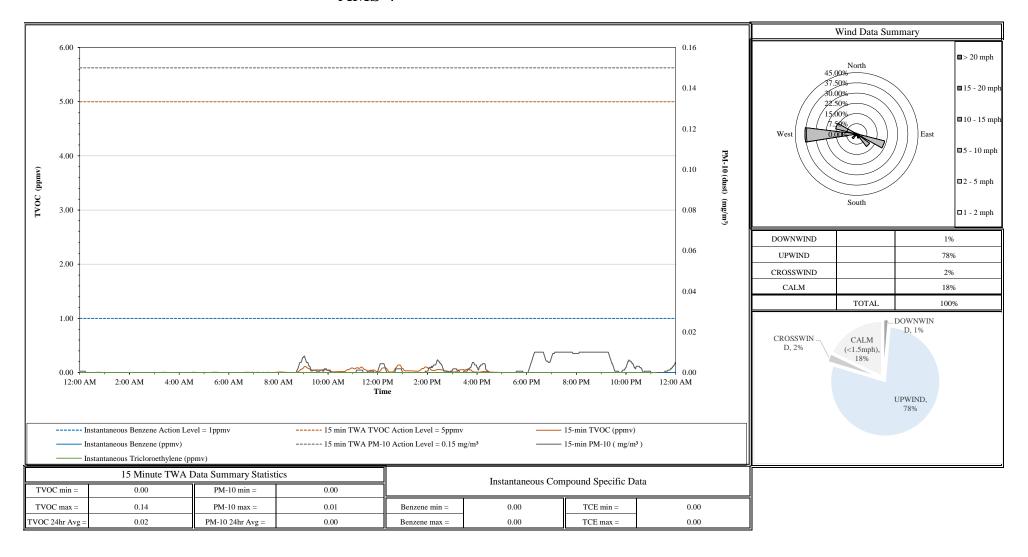
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



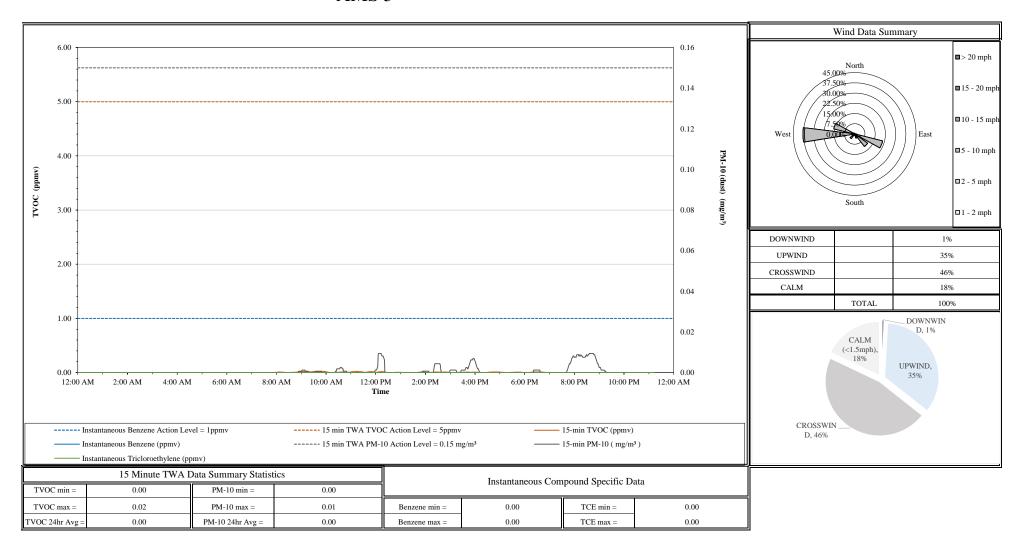
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



AMS 4



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY





DATE: 03/30/23 **FILE NO:** 03.0034060.10

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Reporting Period:	Thursday, March 30, 2023				
Weather	Temperature: 30.70 – 47.00°F	Preci	ipitation: 0.02 in	Relative Humidity: 38.75%	
	Wind Speed: 0.2 – 12.82 mph		Prevailing Wind Direc	tion: W	
Concentrations detected	AMS-1: none		AMS-4: none		
above the Action Level	AMS-2: none		AMS-5: none		
	AMS-3: none		HH-1 (handheld readings along Degraw St): none		
Summary of Site	GZA continued CAMP monitor	ing 2	4 hours per day.		
Activities	CEI completed pre-trenching b	etwe	een holders 3 and 4 and	I began removing the slide rail	
	box used for obstruction removal.				
Community Inquiries	• None				
Other	None	•			

Figure 1 – CAMP Station Locations



Daily Report No.: 227



DATE: 03/30/23 Daily Report No.: 227

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
03/30/2023	8:30 AM	HH-1	0.0	0.026	-
03/30/2023	10:30 AM	HH-1	0.0	0.038	-
03/30/2023	12:30 PM	HH-1	0.0	0.031	-
03/30/2023	3:30 PM	HH-1	0.0	0.027	-

TABLE 2 - ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
03/30/2023	8:30 AM	NO	NO	-
03/30/2023	10:30 AM	NO	NO	-
03/30/2023	12:30 PM	NO	NO	-
03/30/2023	3:30 PM	NO	NO	-

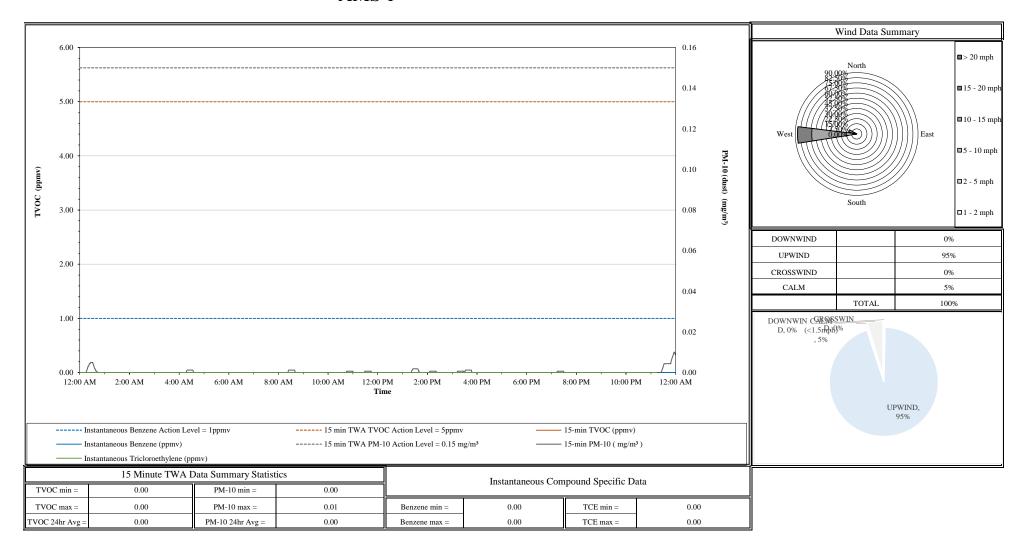
Attachments:

Daily Data Summary – Air Monitoring Stations 1 through 5

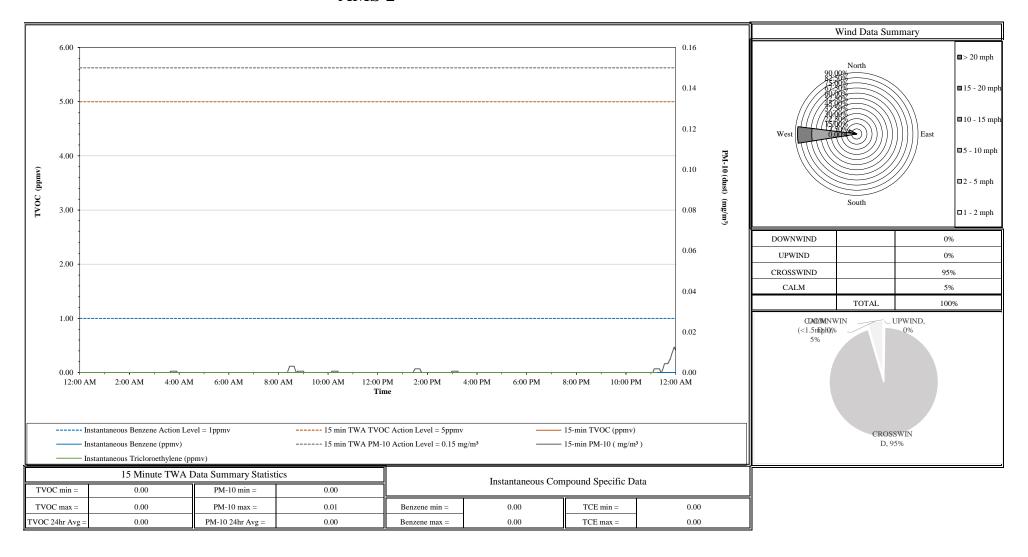
Prepared by: Nolan Quinn Reviewed by: Dan Amate

Engineer II Associate Principal

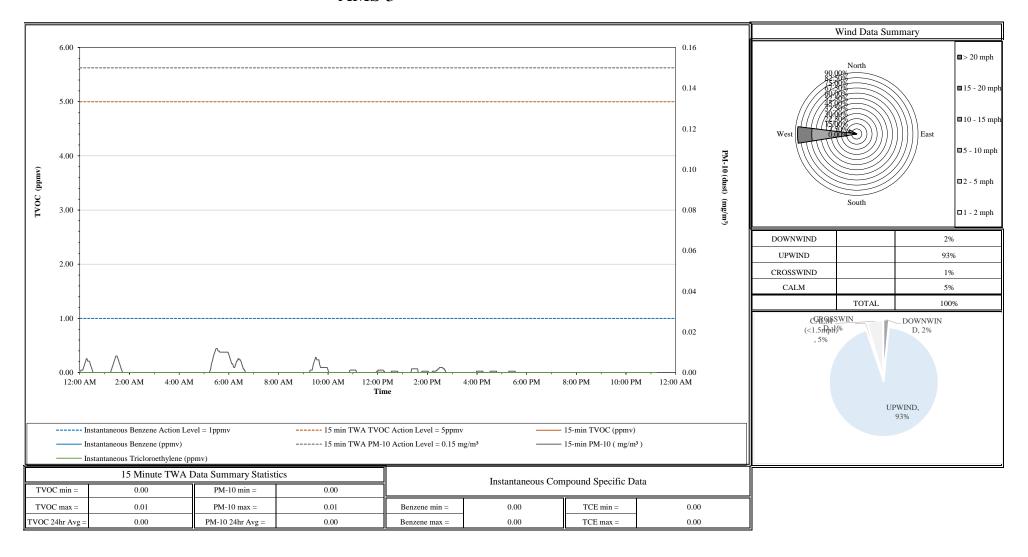
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



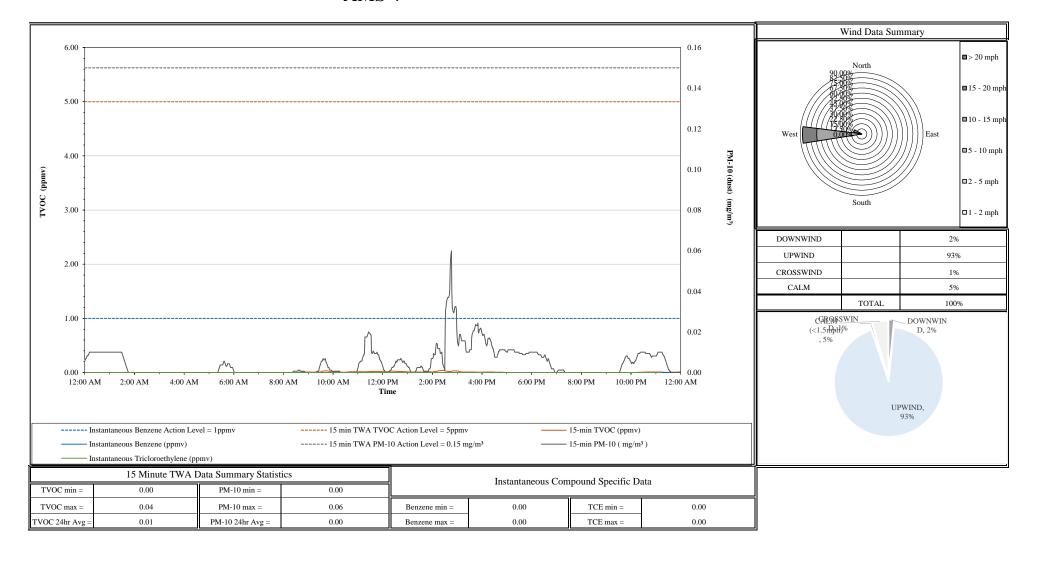
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



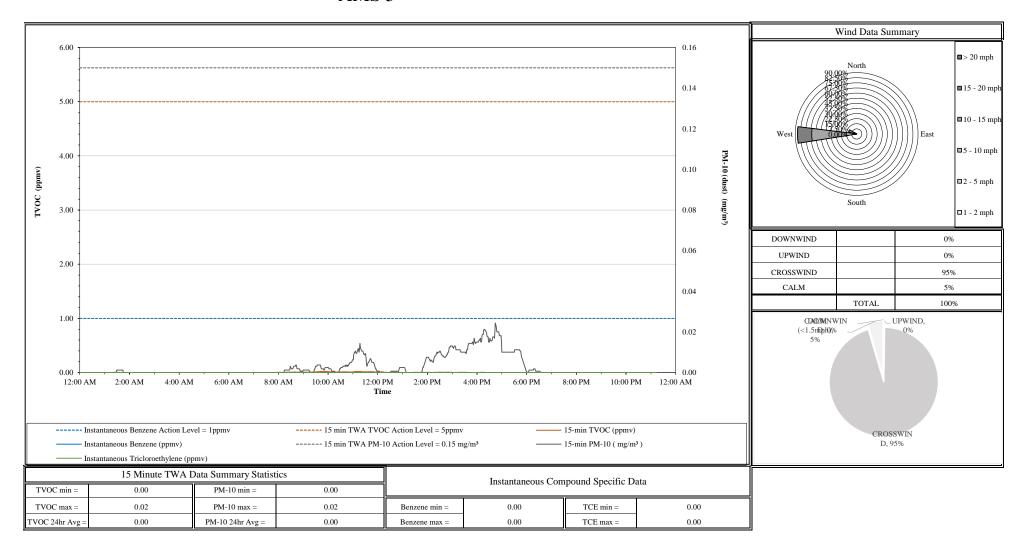
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY





DATE: 03/31/23

FILE NO: 03.0034060.10

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 NYSDEC approved Remedial Action Work Plan for the Former Fulton Manufactured Gas Plant (MGP) Site – Parcel III and Portion of Parcel IV. Note: the information included in this daily summary is based on preliminary results and is subject to change based on data validation.

Reporting Period:	Friday, March 31, 2023				
Weather	Temperature: 35.40 – 54.30°F	Preci	pitation: 0.00 in	Relative Humidity: 59.86%	
	Wind Speed: 0.11 – 6.89 mph		Prevailing Wind Direc	tion: SE	
Concentrations detected	AMS-1: none		AMS-4: none		
above the Action Level	AMS-2: none		AMS-5: none		
	AMS-3: none		HH-1 (handheld readings along Degraw St): none		
Summary of Site	GZA continued CAMP monitoring 24 hours per day.				
Activities	CEI installed a new bay door on the eastern edge of the TFS.				
	• CEI completed pre-trenching between holders 3 and 4 and removed the slide rail box used for obstruction removal.				
Community Inquiries	None				
Other	None	•			

Figure 1 - CAMP Station Locations



Daily Report No.: 228



DATE: 03/31/23 Daily Report No.: 228

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
03/31/2023	8:30 AM	HH-1	0.0	0.011	-
03/31/2023	10:30 AM	HH-1	0.0	0.036	-
03/31/2023	12:30 PM	HH-1	0.0	0.025	-
03/31/2023	3:30 PM	HH-1	0.0	0.033	-

TABLE 2 – ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
03/31/2023	8:30 AM	NO	NO	-
03/31/2023	10:30 AM	NO	NO	-
03/31/2023	12:30 PM	NO	NO	-
03/31/2023	3:30 PM	NO	NO	-

Attachments:

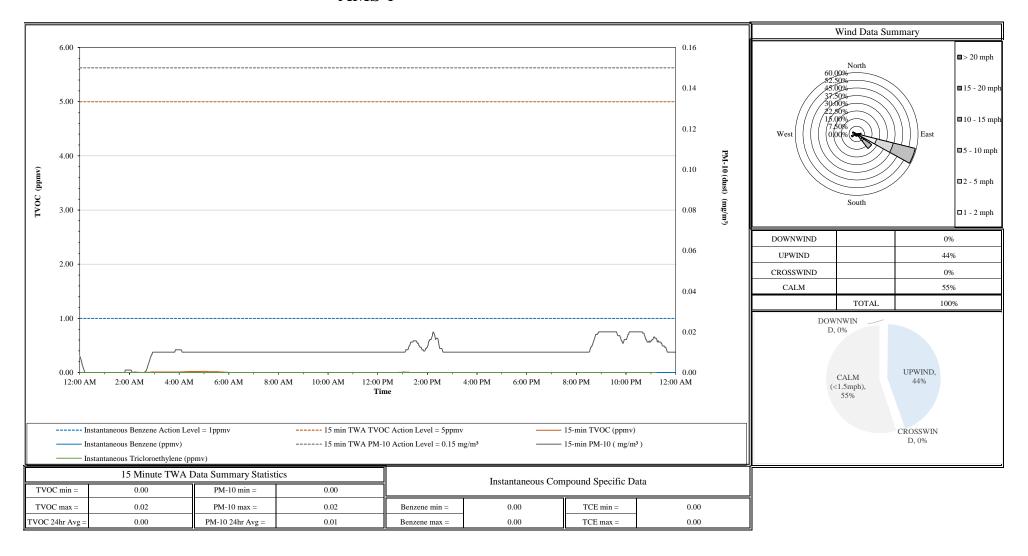
Daily Data Summary – Air Monitoring Stations 1 through 5

Prepared by: Nolan Quinn Reviewed by: Dan Amate

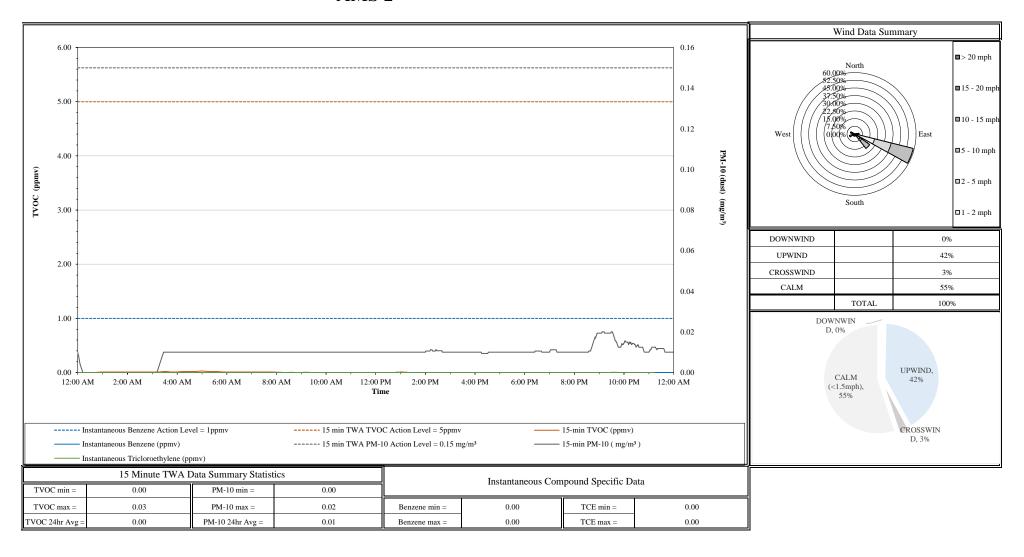
Engineer II Associate Principal

Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY

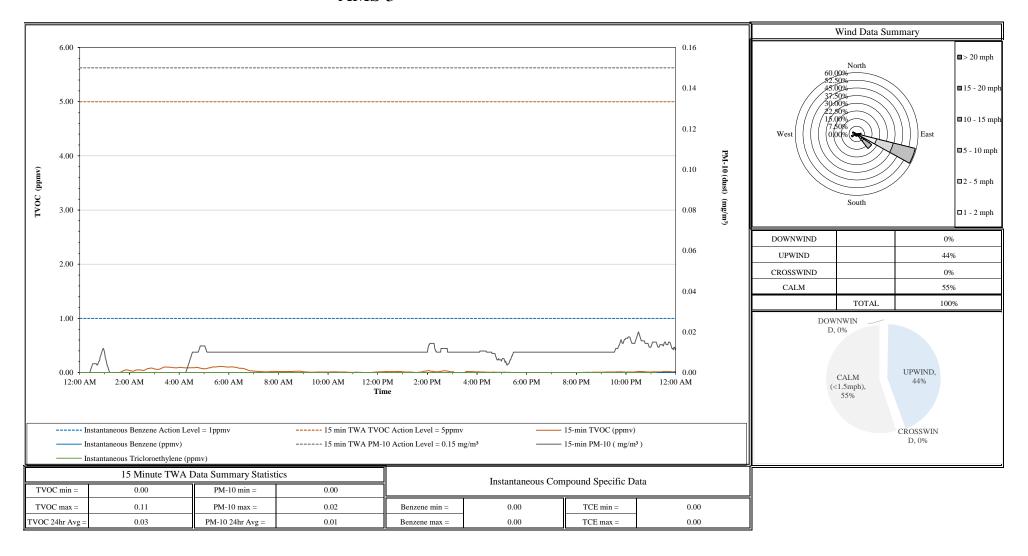
AMS₁



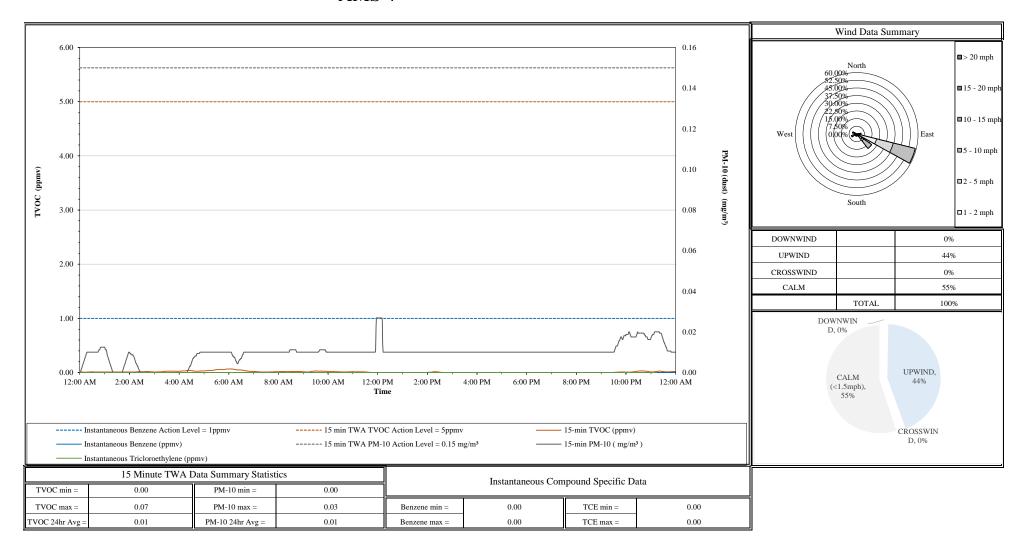
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



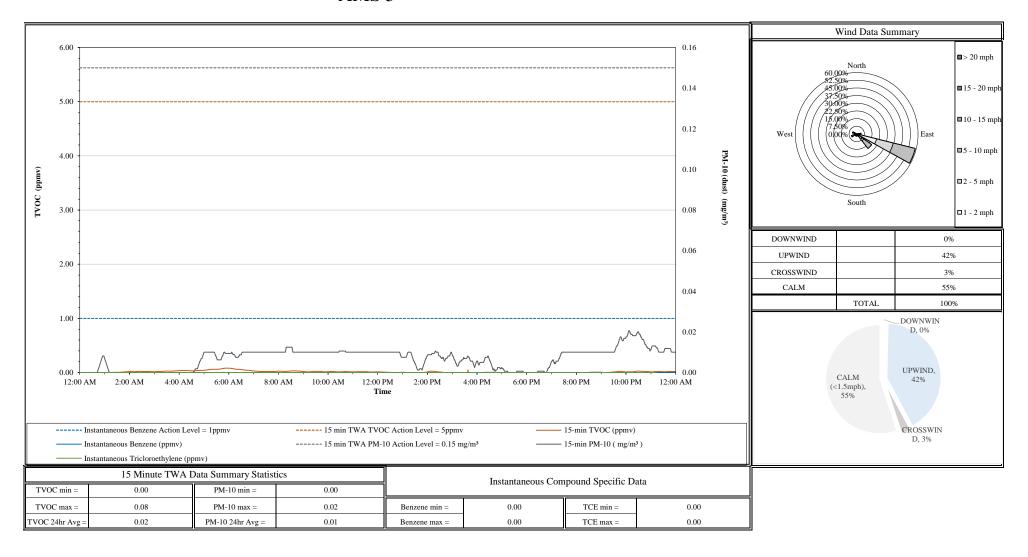
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY





DATE: 04/01/23

FILE NO: 03.0034060.10

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Reporting Period:	Saturday, April 01, 2023				
Weather	Temperature: 51.80 – 71.40°F Preci		cipitation: 0.86 in Relative Humidity: 72%		
	Wind Speed: 0.23 – 12.97 mph		Prevailing Wind Direct	tion: SE	
Concentrations detected	AMS-1: none		AMS-4: none		
above the Action Level	AMS-2: none		AMS-5: none		
	AMS-3: none		HH-1 (handheld readi	ngs along Degraw St): none	
Summary of Site	GZA continued CAMP monitoring 24 hours per day.				
Activities	No work on the Site (weekend).				
Community Inquiries	• None				
Other	• None				

Figure 1 - CAMP Station Locations



Daily Report No.: 229



DATE: 04/01/23 Daily Report No.: 229

FILE NO: 03.0034060.10

TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed

TABLE 2 – ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed

Attachments:

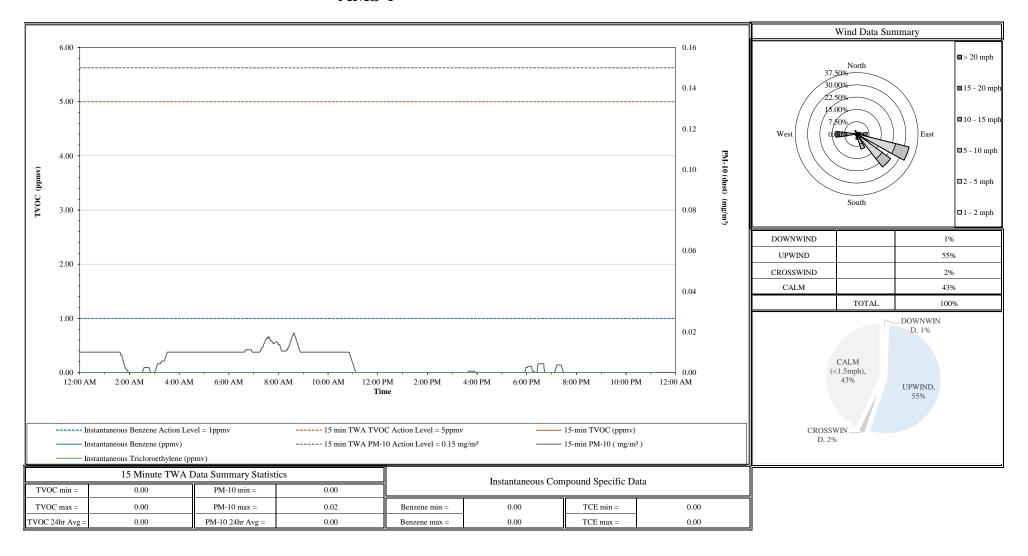
Daily Data Summary – Air Monitoring Stations 1 through 5

Prepared by: Nolan Quinn Reviewed by: Dan Amate

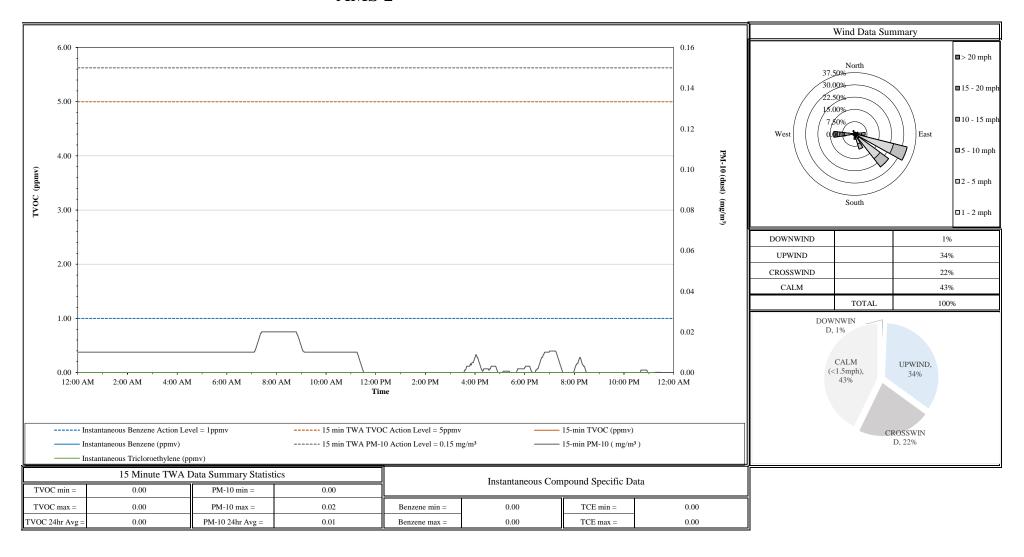
Engineer II Associate Principal

Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY

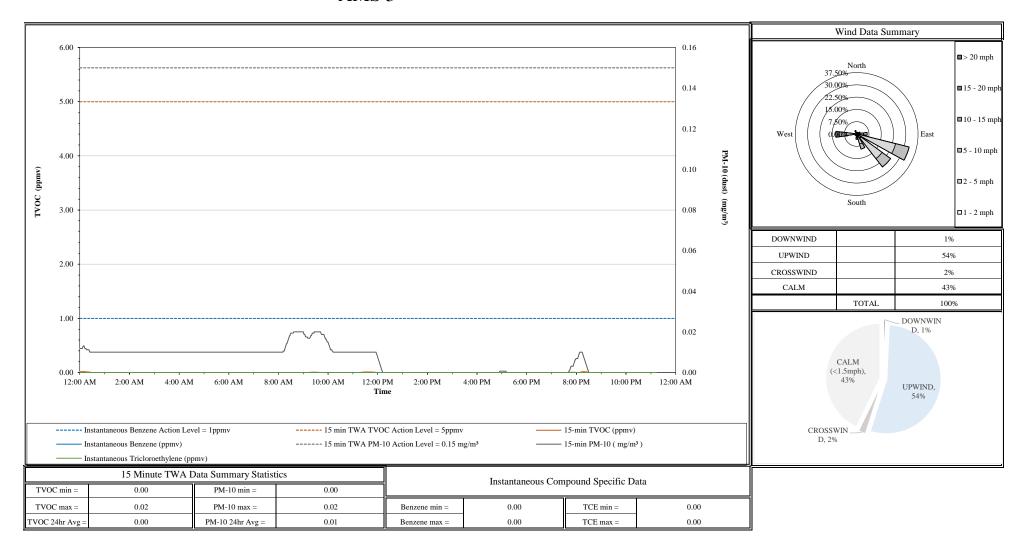
AMS₁



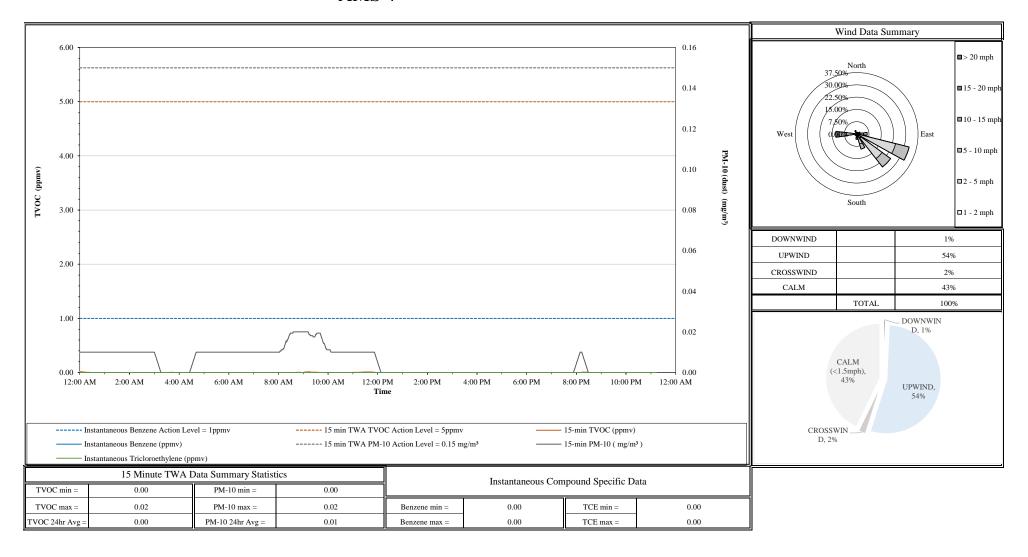
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



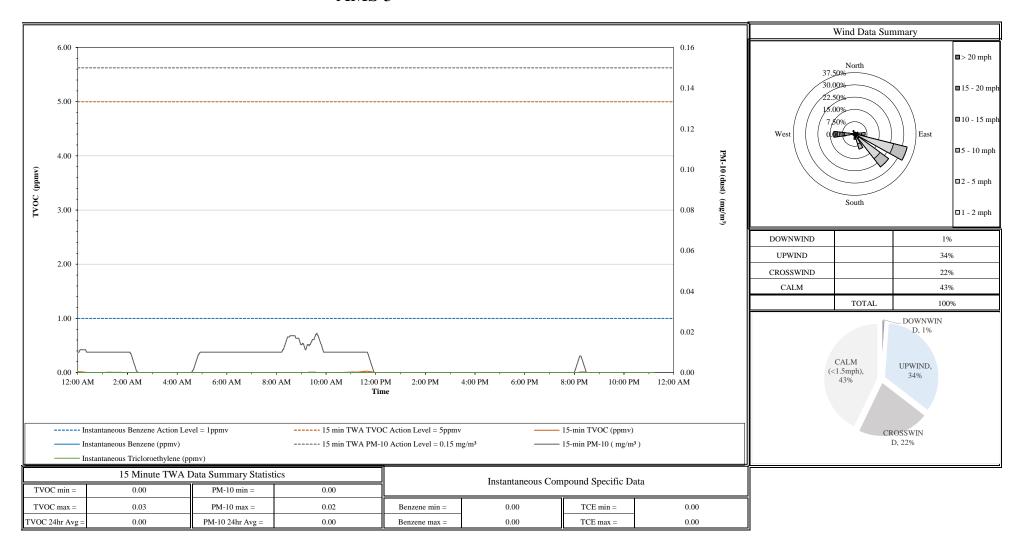
Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY



Former Fulton MGP Site Parcel III and Portion of Parcel IV Brooklyn, NY





DATE: 04/02/23 **FILE NO:** 03.0034060.10

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 NYSDEC approved Remedial Action Work Plan for the Former Fulton Manufactured Gas Plant (MGP) Site – Parcel III and Portion of Parcel IV. Note: the information included in this daily summary is based on preliminary results and is subject to change based on data validation.

Reporting Period:	Sunday, April 2, 2023				
Weather	Temperature: 40.10 – 53.20°F	Preci	pitation: 0.00 in	Relative Humidity: 35%	
	Wind Speed: 0.45 – 16.77 mph		Prevailing Wind Direct	tion: W	
Concentrations detected	AMS-1: none		AMS-4: none		
above the Action Level	AMS-2: none		AMS-5: none		
	AMS-3: none HH-1 (handheld readings along Degraw St):				
Summary of Site	GZA continued CAMP monitoring 24 hours per day.				
Activities	No work on the Site (weekend).				
Community Inquiries	None				
Other	• CAMP station AMS-5 experienced a power outage resulting in no data being recorded from approximately 10:45 AM to 3:05 PM. GZA reported to the Site and restored power to AMS-5. There were no elevated TVOC or PM ₁₀ concentrations recorded at the other stations and there was no work being performed on the Site during this period (weekend).				

Figure 1 - CAMP Station Locations



Daily Report No.: 230, Rev. 1



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TABLE 1 – OFFSITE HANDHELD AIR MONITORING DATA

DATE	TIME	LOCATION	TVOC ppm	PM ₁₀ mg/m ³	NOTES
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed
-	-	-	-	-	No Site Activities/Site Closed

TABLE 2 - ODOR AND VISIBLE DUST MONITORING LOG

DATE	TIME	NUISANCE ODORS (YES/NO)	VISIBLE DUST (YES/NO)	NOTES
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed
-	-	-	-	No Site Activities/Site Closed

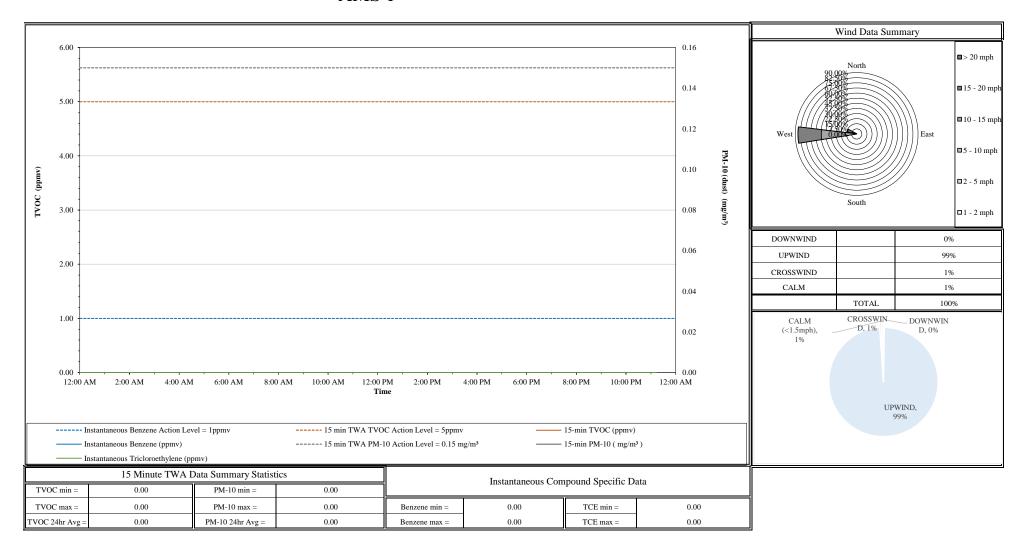
Attachments:

Daily Data Summary – Air Monitoring Stations 1 through 5

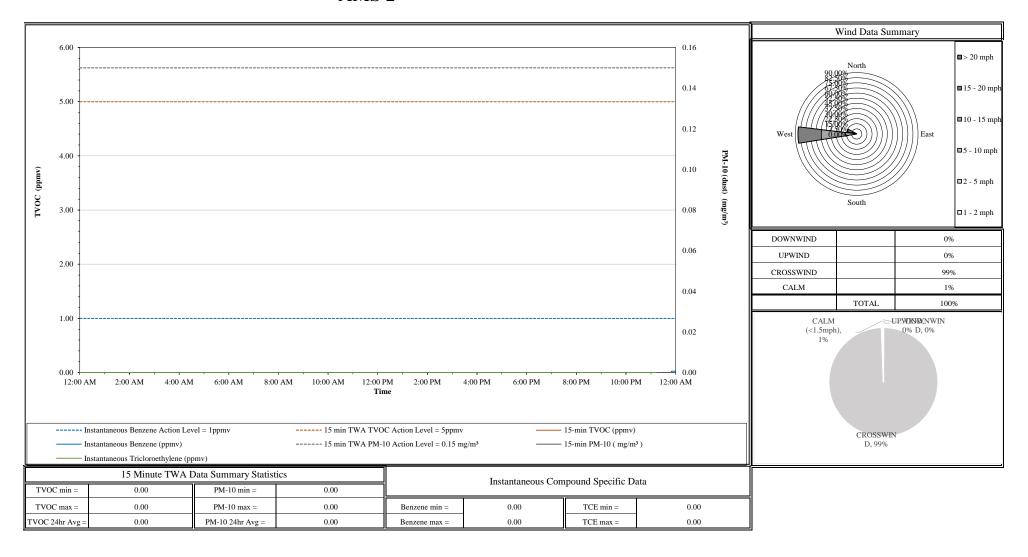
Prepared by: Nolan Quinn Reviewed by: Dan Amate

Engineer II Associate Principal

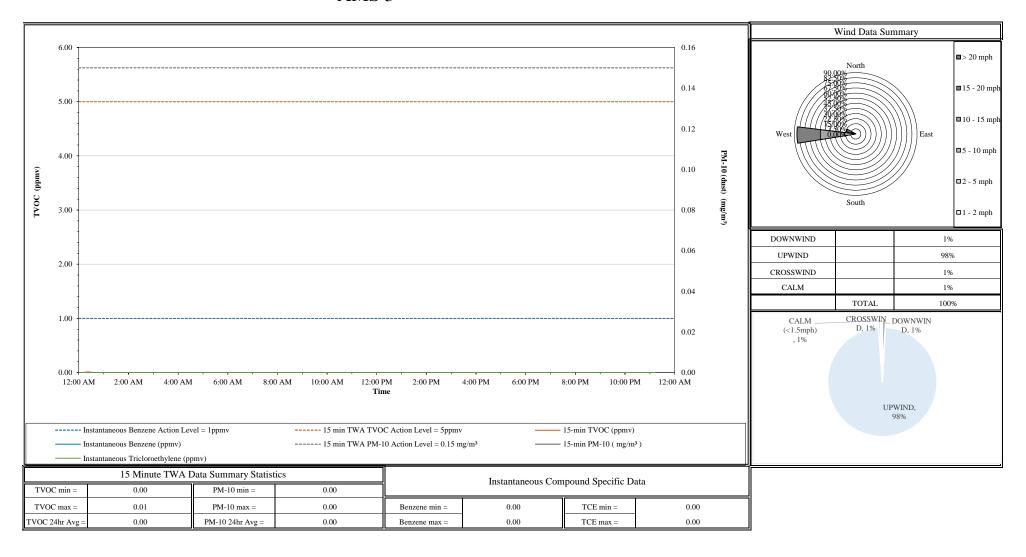
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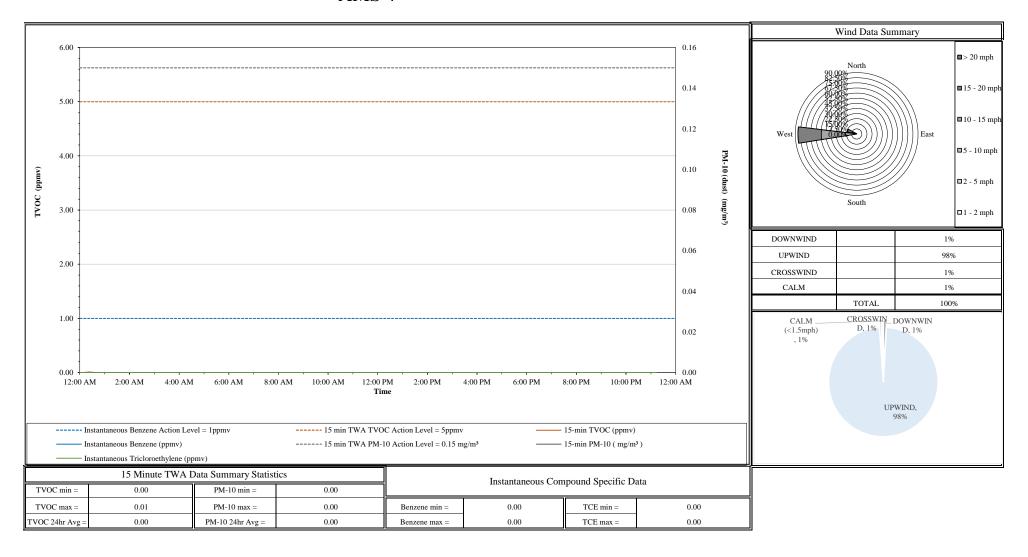
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