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## Memorandum

To: Donald Campbell (National Grid)

From: Melissa Felter

Copy to: David Boram (de maximis)  
Hank Willems and Scott Deyette (NYSDEC)  
Bridget Boyd (NYSDOH)  
Brian Skelly, Chris Gordon, Jonathan Tamargo, and Asher Peltz (GEI)

Date: January 7, 2016

Regarding: Weekly Community Air Monitoring Summary  
Williamsburg Works Former MGP Site, Brooklyn, New York  
December 21, 2015 through December 22, 2016

Dear Donald:

This report includes a summary of data collected during implementation of the Community Air Monitoring Plan (CAMP) at the Williamsburg Works Former MGP Site at 50 Kent Avenue in Brooklyn, New York. This week, four fixed air monitoring stations were positioned along the site perimeter. There were no activities at the Site starting on Wednesday, December 23, 2015. Activities will resume on Monday, January 4, 2016.

### Exceedances

There were no fifteen-minute exceedances of the Total Volatile Organic Compounds (TVOC) or Particulate Matter (PM-10) [dust] associated with ground intrusive site activities during this reporting period.

### Site Construction Activities

Construction activities on Monday, December 21 and Tuesday, December 22 included:

- Excavating and backfilling shallow test pits.
- Pouring concrete pad for the electrical switch box.
- Developing wells.
- General Site housekeeping and shut down activities for the holiday.

### CAMP Monitoring

Real-time fixed station monitoring for TVOC and PM-10 was performed on the site perimeter at four locations (AMS-1, AMS-2, AMS-3, and AMS-4). AirLogics automated air monitoring stations equipped with gas chromatographs (GCs) equipped with photoionization detectors (PIDs) and dust monitors were operated at each location. Supplemental walk-around air monitoring equipment is maintained on site for use on an as-needed basis, and was used on Monday, December 21, 2015 due to a site wide power outage.

Table 1 provides a daily summary of maximum fifteen-minute average ambient air concentrations. Alert limits and action limits are specified in the Air Monitoring Plan for the Site, prepared by AECOM, dated September 21, 2015.

If you have any questions regarding the information in this report, please contact me.

### **References**

AECOM (2015). Community Air Monitoring Plan, Williamsburg Works Former MGP Site in the Williamsburg Neighborhood of Brooklyn, NY. September 21, 2015.

GEI (2015). Community Air Monitoring Plan - Addendum 1, Williamsburg Works Former MGP Site, Brooklyn, New York, December 21, 2015.

**Table 1. Daily Maximum 15-Minute Average Concentrations of TVOC and PM-10  
Williamsburg Works Former MGP Site - Community Air Monitoring Plan  
National Grid  
Brooklyn, NY**

	TVOC (ppmv)			PM-10 (ug/m <sup>3</sup> )		
Alert Limit	3.7 ppm			-		
Response Limit	5.0 ppm			100 ug/m <sup>3</sup>		
Action Limit	25.0 ppm			150 ug/m <sup>3</sup>		
Date	Upwind	Downwind	Difference	Upwind	Downwind	Difference
Mon 12/21/2015	0.1	0.0	0.1	33	28	12

	TVOC (ppmv)				PM-10 (ug/m <sup>3</sup> )			
Alert Limit	3.7 ppm				-			
Response Limit	5.0 ppm				100 ug/m <sup>3</sup>			
Action Limit	25.0 ppm				150 ug/m <sup>3</sup>			
Date	AMS-1	AMS-2	AMS-3	AMS-4	AMS-1	AMS-2	AMS-3	AMS-4
Mon 12/21/2015	0.2	0.1	0.1	0.1	26	83	89	35
Tue 12/22/2015	0.1	0.1	0.1	0.1	14	26	38	13

**Notes:**

AMS = air monitoring station location

ug/m<sup>3</sup> = micrograms per cubic meter

ppm = parts per million by volume

TVOC = total volatile organic compounds

PM-10 = particulate matter (i.e. dust) less than 10 microns in diameter

On Monday, December 21, 2105, a modified CAMP was operated using tripod-mounted PIDs and dust monitors at upwind and downwind localitons during the working hours of onsite construction activity due to power loss at the Site.

Difference is calculated as the maximum 15-minute average concentration of Downwind minus Upwind concentration at each 1-minute time stamp during the work day.