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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: December 21, 2015

Regarding: Weekly Community Air Monitoring Summary
Williamsburg Works Former MGP Site, Brooklyn, New York
December 2, 2015 through December 17, 2015

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. A modified CAMP (GEI, 2015) was operated this month during shallow trenching for electrical sleeve installation and excavation for the wastewater treatment plant pad onsite. The modified CAMP included monitoring at upwind and downwind locations during construction activities.

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 during this reporting period included:

- Mobilization activities including equipment deliveries and fence installation
- Shallow trenching for electrical sleeve installation
- Excavation (asphalt, concrete, and soil) for the wastewater treatment plant pad
- Crushed stone and clean backfill deliveries
- Spraying water for dust suppression
- Using foam for odor suppression

- Stockpiling soil for reuse and offsite disposal

CAMP Monitoring

Real-time monitoring for TVOC and PM-10 was performed upwind and downwind of construction activities at two locations. Tripod-mounted photoionization detectors (PIDs) and dust monitors were operated at each location.

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, NY. December 21, 2015.

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

	TVOC (ppmv)			PM-10 (ug/m ³)		
	Alert Limit			3.7 ppm		
Response Limit			5.0 ppm			100 ug/m ³
Action Limit			25.0 ppm			150 ug/m ³
Date	Upwind	Downwind	Difference	Upwind	Downwind	Difference
12/2/2015	0.1	0.2	0.2	124	131	8
12/9/2015	0.1	0.1	0.1	86	90	16
12/10/2015	0.2	0.2	0.0	88	101	19
12/14/2015	0.2	0.4	0.2	257	107	22
12/15/2015	0.2	0.2	0.2	111	86	77
12/16/2015	0.3	0.2	0.2	28	11	3

Notes:

AMS = air monitoring station location

ug/m³ = 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

During this time period, a modified CAMP was operated using tripod-mounted PIDs and dust

monitors at upwind and downwind locations during the working hours of onsite construction

Difference is calculate as the maximum 15-minute average concentration of Downwind minus

Upwind concentration at each 1-minute time stamp during the work day.