

Community Air Monitoring Program
April 27, 2009 through May 1, 2009

Community air monitoring data is reviewed and compared to specific NYSDEC/NYSDOH approved criteria, known as “Action Limits”. As a result of this evaluation process, site conditions are categorized into two categories, “Operational Condition” and “Action Condition”. The “Operational Condition” is applicable when the data is below the “Action Limits” noted in the table below. The “Action Condition” occurs when one or more fifteen minute average measurement for Dust (PM₁₀), Total Volatile Organic Compounds (TVOC), Naphthalene or Odor Intensity exceeds the background or upwind measurement by the “Action Limits” in the table below. During the period from April 27, 2009 12:00AM through ~11:00AM there were six Fixed Air Monitoring (FAM) locations measuring Total Volatile Organic Compounds (TVOC) and Particulate Matter (PM₁₀). During the period between April 27, 2009 and May 1, 2009 there were three Portable Air Monitoring (PAM) locations measuring TVOC and PM₁₀ during normal work hours. The completion of ground intrusive or impacted soil activities at the Sag Harbor remediation site prompted the site activities to transition into the demobilization phase. At the beginning of the demobilization phase air monitoring for TVOC and PM₁₀ was reduced from six FAM locations to three PAM locations. **Fifteen-minute averages for odor intensity, naphthalene, TVOC, and PM₁₀ data remained in Operational Condition.**

On Tuesday, April 28, 2009 there were periods of elevated concentrations of dust for two minutes at PAM-1. These elevated concentrations of dust were caused by wind blown dust. Watering was conducted onsite routinely throughout the day but gusty winds, low relative humidity and unseasonably warm temperatures caused unusually dry conditions onsite. This dust was not associated with ground intrusive or impacted soil activities; therefore the site conditions remained at the operational condition (less than the Action Limit).

On Friday, May 1, 2008 there were periods of elevated concentrations of dust for thirteen minutes at PAM-3. These elevated concentrations of dust were caused by street sweeping activities associated with offsite road construction in the vicinity of PAM-3. This dust was not associated with ground intrusive or impacted soil activities; therefore the site conditions remained at the operational condition (less than the Action Limit).

Weekly Data Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Friday): Start Date: 4/27/09 End Date: 5/1/09

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		PAM 3		Odor	
	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	PM ₁₀ (µg/m ³)	TVOC (ppm)	Naphthalene (µg/m ³)	Intensity (du)
Maximum 15-minute Averages (Action Limits: PM ₁₀ = 150 µg/m ³ / TVOC = 5 ppm / Naphthalene = 440 µg/m ³ / Odor Intensity = 3)																				
Mon 4/27/09	77.4 ¹	0.1 ¹	43.7 ¹	0.1 ¹	31.2 ¹	0.1 ¹	31.6 ¹	0.1 ¹	68.5 ¹	0.1 ¹	39.1 ¹	0.1 ¹	62.8	0.1	143.3 ²	0.0	88.2	0.1	NA	
Tue 4/28/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	155.7 ²	0.1	94.6	0.1	79.2	0.1	NA	
Wed 4/29/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.1	0.2	29.4	0.1	113.9 ²	0.2	NA	
Thu 4/30/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.7	0.3	38.7	0.3	56.6	0.1	NA	
Fri 5/1/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70.4	0.1	53.8	0.2	202.1 ²	0.3	NA	

PM₁₀ = Respirable Particulate Matter (dust)
TVOC = Total Volatile Organic Compound
ppm = Parts per million (by volume)
µg/m³ = Micrograms per cubic meter

All reported PM₁₀, TVOC, and odor intensity values represent 15-minute averages.
Odor Intensity is measured 0-8 on the n-butanol scale.

¹ Remediation Phase complete, therefore monitoring at the FAM locations stopped. Three PAM locations will be operational through the demobilization phase of the project.

² Highlighted values indicate dates and locations that require further comparison to the Alert and/or Action Limits based on wind direction, off site and on site activities (see Table 2).

FAM # Fixed Air Monitoring Station
PAM # Portable Air Monitoring Station
ND No Data
NA Not Applicable

Weekly Elevated Concentration above the Action Limit Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Friday): Start Date: 4/27/09 End Date: 5/1/09

<i>Summary of Elevated Concentrations</i>															
Parameter	Date	Station	Start Time	End Time	Duration (Mins)	Action Limit	Approx. Start Dir* and speed	Approx. End Dir* and speed	Location of background conc.	Elevated Conc. Max	Background Conc. **	Max Conc. – Background Conc.**	Site Condition	Site Activity During the Period (if applicable)	Actions Taken
<i>Elevated Concentrations Above the Action Limit</i>															
PM₁₀	Tue 4/28/09	PAM 1	3:19PM	3:20PM	2	150	SSW 6.1mph	-	PAM 2	155.7	50.7	105.0	Operational	Waste water treatment (non-ground intrusive) ¹	AM technician contacted the site CM and the site H&S Officer. The elevated concentrations were caused by blowing dust. Watering was conducted routinely throughout the day but gusty winds, low relative humidity and unseasonably warm temperatures caused the ground to quickly dry.
PM₁₀	Fri 5/1/09	PAM 3	1:56PM	2:08PM	13	150	SSW 5.4mph	SSW 5.7mph	PAM 2	202.1	51.3	150.8	Operational	Waste water treatment(non-ground intrusive) ¹	AM technician contacted the site CM and the site H&S Officer. The elevated concentrations were caused by street sweeping activities associated with offsite road construction in the vicinity of PAM3. Concentrations quickly dropped below the Alert Limit.

* Wind Directions are presented by octant (i.e. N, NE, E, SE, S, SW, W, NW)

** Background concentrations are equal to the upwind concentrations unless winds are determined to be variable.

FAM – Real time fixed air monitoring station

PAM – Real time portable air monitoring station

NA – Not applicable

ND – No data available

VAR – Variable winds

PM10 – Particulate matter (reported in µg/m³)

TVOC – Total volatile organic compound (reported in ppm)

¹ In accordance with DER-10 this type of event is not considered to be an exceedance because the activity was not associated with site intrusive activities and/or did not exceed the Action Limit.