

Community Air Monitoring Program
November 24, 2008 through November 30, 2008

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 November 24, 2008 through November 30, 2008 there were six Fixed Air Monitoring (FAM) locations measuring TVOC and PM₁₀. **Fifteen-minute averages for TVOC, odor intensity, and PM₁₀ data remained in Operational Condition.**

On Monday, November 24 there were elevated concentrations of dust for fifteen minutes at upwind FAM-5. These elevated concentrations were caused by gusty winds that picked up dust and transported it onsite. This dust was not associated with intrusive activities, therefore the site condition remained at the Operational Condition (less than the Action Limits).

The elevated concentrations are shown on the following two tables.

Weekly Data Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 11/24/08 End Date: 11/30/08

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		PAM 3		Odor	
	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	Naphthalene	Intensity
	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(0-8)
Maximum 15-minute Averages (Action Limits: PM ₁₀ = 150 µg/m ³ / TVOC = 5 ppm / Naphthalene = 440 µg/m ³ / Odor Intensity = 3)																				
Mon 11/24/08	127.0	0.1	140.5	0.2	118.8	0.7	70.5	0.1	156.0 ¹	1.2	128.2	0.1	NA	NA	NA	NA	NA	NA	ND	ND
Tue 11/25/08	43.5	0.1	50.2	0.1	41.1	0.1	34.7	0.1	31.0	0.5	40.5	0.3	NA	NA	NA	NA	NA	NA	ND	0
Wed 11/26/08	26.0	0.1	30.3	0.1	29.6	0.1	134.6	0.1	32.9	0.1	28.4	0.1	NA	NA	NA	NA	NA	NA	ND	0
Thu 11/27/08	30.0	0.1	36.7	0.1	33.2	0.1	33.2	0.1	33.2	0.1	35.4	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Fri 11/28/08	45.6	0.1	47.3	0.1	47.7	0.1	53.2	0.1	52.7	0.1	50.5	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Sat 11/29/08	43.4	0.1	44.1	0.1	42.8	0.1	43.9	0.1	44.6	0.1	46.3	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Sun 11/30/08	44.4	0.1	50.6	0.1	48.0	0.1	48.8	0.1	49.0	0.1	48.3	0.1	NA	NA	NA	NA	NA	NA	NA	NA

PM₁₀ = Respirable Particulate Matter (dust)

¹ Highlighted values indicate dates and locations that require further comparison to the action limits based on wind direction, off site and on site activities (see Table 2).

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.

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

Weekly Elevated Concentration Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 11/24/08 End Date: 11/30/08

Summary of Elevated Concentrations															
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
Elevated Concentrations Above the Action Level															
PM ₁₀	Monday 11/24/08	FAM 5	8:32 AM 8:36 AM	8:33 AM 8:39 AM	6	150	S Gust 10mph	S Gust 10mph	FAM 5	156.0	156.0	0.0	Operational	There were no site intrusive activities at the time of the elevated concentrations. The AM technician reported gusty winds caused the increase in dust onsite. ¹	The AM technician reported the elevated concentrations to the Construction Manager and to the site Health and Safety officer. No actions taken.

* 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 were caused by off site activities.