

Community Air Monitoring Program
February 2, 2009 through February 8, 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 February 2, 2009 through February 8, 2009 there were six Fixed Air Monitoring (FAM) locations measuring Total Volatile Organic Compounds (TVOC) and Particulate Matter (PM₁₀). **Fifteen-minute averages for odor intensity, naphthalene, TVOC, and PM₁₀ data remained in Operational Condition.**

On Monday, February 2, 2009 there were periods of elevated dust for a combined total of ninety-seven minutes at FAM-3 and FAM-3. These elevated concentrations were caused by exhaust venting from a generator and pump in close proximity to FAM-3. This dust was not associated with intrusive activities; therefore the site condition remained in the Operational Condition (less than the Action Limit).

On Friday, February 6, 2009 there were elevated concentrations of dust for nine minutes at FAM-2. These elevated concentrations were caused by a street sweeper traveling along an adjacent street. This dust was not associated with intrusive activities; therefore the site condition remained in the Operational Condition (less than the Action Limit)

On Friday, February 6, 2009 there were elevated concentrations of dust for ten minutes at FAM-3. These elevated concentrations were caused by exhaust venting from a generator and pump in close proximity to FAM-3. This dust was not associated with intrusive activities; therefore the site condition remained in the Operational Condition (less than the Action Limit).

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: 2/2/09 End Date: 2/8/09

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 (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 2/2/09	98.5	0.8	182.8 ¹	0.2	433.2 ¹	0.1	60.6	0.1	64.1	0.1	60.4	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Tue 2/3/09	81.8	0.2	37.8	0.1	17.0	0.1	12.0	0.1	26.1	0.1	19.9	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Wed 2/4/09	8.5	0.5	61.3	0.8	47.9	0.1	22.7	0.1	43.0	0.1	22.6	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Thu 2/5/09	44.8	0.1	93.0	0.4	45.2	0.1	14.2	0.1	28.3	0.1	15.4	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Fri 2/6/09	51.7	0.1	160.6 ¹	0.3	205.0 ¹	0.1	92.6	0.2	61.9	0.2	49.1	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Sat 2/7/09	58.0	0.1	109.2	0.4	132.3	0.1	73.6	0.1	74.9	0.1	55.1	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Sun 2/8/09	52.7	0.1	55.3	0.1	110.7	0.7	46.0	0.1	55.8	0.1	44.7	0.1	NA	NA	NA	NA	NA	NA	NA	NA

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

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).

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 above the Action Limit Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 2/2/09 End Date: 2/8/09

<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 Level</i>															
PM₁₀	Mon 2/2/09	FAM 3	12:28AM	12:46AM	15	150	VAR	VAR	FAM 6	290.5	22.4	268.1	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and logged into the data base from home. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Mon 2/2/09	FAM 3	2:27AM	2:39AM	13	150	S 3.7mph	S 2.2mph	FAM 4	218.0	18.8	199.2	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and logged into the data base from home. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Mon 2/2/09	FAM 2	5:10AM	5:20AM	11	150	VAR	VAR	FAM 4	182.8	19.7	163.1	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and logged into the data base from home. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Mon 2/2/09	FAM 3	8:06AM	8:30AM	25	150	W 3.4mph	W 2.6mph	FAM 1	262.1	30.6	231.5	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and the site Health and Safety Officer. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Mon 2/2/09	FAM 3	4:16PM	4:15PM	2	150	S 3.0mph	SSW 3.2mph	FAM 5	164.9	35.3	129.6	Operational	Waste water treatment plant in operation (non-site intrusive) ²	The AM technician contacted the site CM and the site Health and Safety Officer. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.

* 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 $\mu\text{g}/\text{m}^3$)

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.

¹ In accordance with DER-10 this type of event is not considered to be an exceedance because the elevated concentrations did not exceed the action limit.

National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY (Continued)
Reporting Period (Monday – Sunday): Start Date: 2/2/09 End Date: 2/8/09

Summary of Elevated Concentrations(continued)															
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															
PM₁₀	Mon 2/2/09	FAM 3	5:45PM	6:05PM	21	150	VAR	VAR	FAM 1	433.2	23.7	409.5	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and the site Health and safety Officer. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Mon 2/2/09	FAM 3	7:02PM	7:11PM	10	150	VAR	VAR	FAM 1	152.5	20.1	132.4	Operational	Waste water treatment plant in operation (non-site intrusive) ²	The AM technician contacted the site CM and logged into the data base from home. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.
PM₁₀	Fri 2/6/09	FAM 2	6:49AM	6:57AM	9	150	WNW 7.9mph	-	FAM 2	160.6	160.6	0	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and the Health and Safety Officer. The AM technician observed a street sweeper traveling along Long Island Ave. The street sweeper was determined to be the cause of the elevated concentrations. Once the street sweeper passed the concentrations quickly returned to normal levels.
PM₁₀	Fri 2/6/09	FAM 3	7:28AM 7:39AM	7:34AM 7:41AM	10	150	WNW 7.4mph	WNW 6.9mph	FAM 2	205.0	39.5	165.5	Operational	Waste water treatment plant in operation (non-site intrusive) ¹	The AM technician contacted the site CM and the site Health and Safety Officer. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump in close proximity to FAM3.

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