

Community Air Monitoring Program
January 19, 2009 through January 25, 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 January 19, 2009 through January 25, 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 Thursday, January 22, 2009 and Saturday, January 24, 2009 there were periods of elevated concentrations of dust for a combined total of 188 minutes at FAM-3. These elevated concentrations were caused by exhaust venting from a generator and pump used for the waste water treatment plant on site. This dust was not associated with intrusive activities; therefore the site remained at 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: 1/19/09 End Date: 1/25/09

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 1/19/09	41.1	0.1	55.7	0.1	46.9	0.1	48.7	0.1	48.4	0.1	45.6	0.1	NA	NA	NA	NA	NA	NA	ND	0
Tue 1/20/09	41.3	0.1	74.8	0.1	46.5	0.1	42.4	0.1	71.2	0.1	44.4	0.1	NA	NA	NA	NA	NA	NA	ND	0
Wed 1/21/09	22.6	0.1	36.7	0.1	28.6	0.1	26.1	0.1	56.1	0.1	26.7	0.1	NA	NA	NA	NA	NA	NA	0.0	0
Thu 1/22/09	46.2	0.1	47.8	0.1	257.2 ¹	0.1	41.6	0.1	46.5	0.1	43.4	0.1	NA	NA	NA	NA	NA	NA	0.0	0
Fri 1/23/09	92.1	0.1	106.7	0.1	95.2	0.1	59.3	0.1	105.7	0.1	104.0	0.1	NA	NA	NA	NA	NA	NA	0.0	0
Sat 1/24/09	32.1	0.1	52.5	0.1	463.1 ¹	0.1	47.9	0.1	50.5	0.2	44.7	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Sun 1/25/09	5.1	0.1	14.4	0.1	11.4	0.1	12.8	0.1	18.3	0.1	16.1	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 Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 1/19/09 End Date: 1/25/09

<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	Thu 1/22/09	FAM 3	4:16PM 6:03PM 6:08PM 6:13PM 6:47PM	6:01PM – – 6:27PM 7:33PM	170	150	W 12.2mph	WSW 6.3 mph	FAM 6	257.2	28.9	228.3	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 associated with the waste water treatment plant. The AM unit was moved 10 feet to the south and the blow-off from the diesel pump was extended and muffled to help mitigate the risk for future emissions.
PM₁₀	Sat 1/24/09	FAM 3	2:24PM	2:41PM	18	150	WNW 16.7mph (gusty)	WNW 16.0mph (gusty)	FAM 2	463.1	9.3	453.8	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 and logged into the database from home. The AM technician reported that the elevated concentrations were due to exhaust venting from the generator/pump associated with the waste water treatment plant.

* 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 and/or did not exceed the action limit.