

Community Air Monitoring Program  
March 2, 2009 through March 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 (PM<sub>10</sub>), 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 March 2, 2009 through March 8, 2009 there were six Fixed Air Monitoring (FAM) locations and two Portable Air Monitoring locations measuring Total Volatile Organic Compounds (TVOC) and Particulate Matter (PM<sub>10</sub>). **Fifteen-minute averages for odor intensity, naphthalene, TVOC, and PM<sub>10</sub> data remained in Operational Condition.**

On Friday, March 6, 2009 there were elevated concentrations of dust for seven minutes at FAM-2. These elevated concentrations were caused by steam venting off the carbon filter vessel in close proximity to FAM-2. Light winds caused steam/fog to remain concentrated around FAM-2. This dust/steam was not associated with ground intrusive or impacted soil activities; therefore the site conditions 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: 3/2/09 End Date: 3/8/09**

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		PAM 3		Odor	
	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	PM <sub>10</sub> (µg/m <sup>3</sup> )	TVOC (ppm)	Naphthalene (µg/m <sup>3</sup> )	Intensity (0-8)
Maximum 15-minute Averages (Action Limits: PM <sub>10</sub> = 150 µg/m <sup>3</sup> / TVOC = 5 ppm / Naphthalene = 440 µg/m <sup>3</sup> / Odor Intensity = 3)																				
Mon 3/2/09	4.7	0.1	16.2	0.1	10.1	0.1	9.3	0.1	20.5	0.1	14.9	0.1	NA	NA	NA	NA	NA	NA	ND	ND
Tue 3/3/09	6.7	0.1	19.6	0.1	13.2	0.1	7.1	0.1	35.9	0.1	10.3	0.1	NA	NA	NA	NA	NA	NA	0.0	1
Wed 3/4/09	1.0	0.1	22.6	0.1	16.7	0.1	25.3	0.1	31.0	0.1	17.5	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Thu 3/5/09	14.7	0.1	67.5	0.1	22.9	0.1	20.5	0.1	44.2	0.1	97.6	0.1	NA	NA	NA	NA	NA	NA	0.0	1
Fri 3/6/09	13.4	0.1	171.2 <sup>1</sup>	0.1	42.7	0.1	26.6	0.1	39.2	0.1	31.8	0.1	27.1	0.1	NA	NA	48.7	1.0	0.0	2
Sat 3/7/09	66.0	0.1	110.4	0.1	103.3	0.4	71.3	0.1	86.2	0.1	67.4	0.1	NA	NA	NA	NA	NA	NA	0.0	2
Sun 3/8/09	47.4	0.1	105.4	0.1	69.0	0.3	49.8	0.1	63.2	0.1	50.6	0.1	NA	NA	NA	NA	NA	NA	NA	NA

PM<sub>10</sub> = Respirable Particulate Matter (dust)  
TVOC = Total Volatile Organic Compound  
ppm = Parts per million (by volume)  
µg/m<sup>3</sup> = Micrograms per cubic meter

<sup>1</sup> Highlighted values indicate dates and locations that require further comparison to the action limits based on wind direction, offsite and onsite activities (See Table 2).

All reported PM<sub>10</sub>, 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: 3/2/09 End Date: 3/8/09**

<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>															
PM <sub>10</sub>	Fri 3/6/09	FAM 2	9:20PM	9:23PM	4	150	SW 5.2 mph	SSE 2.4 mph	FAM 5	171.2	35.1	136.10	Operational	Waste water treatment plant in operation <sup>1</sup>	The AM Technician contacted the CM and logged into database from home. The AM Technician determined elevated concentrations were due to steam venting off of the carbon vessel. Weather conditions caused dust to remain concentrated in the vicinity of FAM2.
PM <sub>10</sub>	Fri 3/6/09	FAM 2	11:16PM 11:18PM	- 11:19PM	3	150	VAR	VAR	FAM 1	152.5	9.3	143.2	Operational	Waste water treatment plant in operation <sup>1</sup>	The AM Technician contacted the CM and logged into database from home. The AM Technician determined elevated concentrations were due to steam venting off of the carbon vessel. Weather conditions caused dust to remain concentrated in the vicinity of FAM2.

\* 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

PM<sub>10</sub> – Particulate matter (reported in  $\mu\text{g}/\text{m}^3$ )

TVOC – Total volatile organic compound (reported in ppm)

<sup>1</sup> 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.