

Community Air Monitoring Program
03/16/09 through 03/22/09

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 03/16/09 through 03/22/09 there were six Fixed and two Portable Air Monitoring locations measuring TVOC and PM₁₀. **Fifteen-minute averages for TVOC and PM10 data remained in Operational Condition.**

On Monday, March 16, 2009 there were intermittent elevated concentrations of dust for thirty four minutes at FAM-1. These elevated concentrations were caused by regional influences. This dust was not associated with ground intrusive activities; therefore the site 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 – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 03/16/09 End Date: 03/22/09

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 03/16/09	181.6 ²	0.6	104.4	1.2	117.3	0.1	106.4	0.2	105.2	0.1	90.3	0.1	128.2	0.2	NA	NA	NA	NA	2.6	1
Tue 03/17/09	20.0 ¹	0.1 ¹	39.8	0.2	28.7	0.1	26.7	0.1	26.2	0.1	24.9	0.3	51.0	0.2	50.3	0.1	NA	NA	NA	NA
Wed 03/18/09	42.3 ¹	0.2 ¹	112.2	0.1	40.1	0.2	30.4	0.1	33.3	0.1	24.5	0.1	51.9	0.1	95.0	0.5	NA	NA	NA	NA
Thu 03/19/09	27.3 ¹	0.2 ¹	68.8	0.1	29.7	0.1	28.7	0.1	31.1	0.2	27.6	0.1	43.4	0.1	57.6	0.3	NA	NA	NA	NA
Fri 03/20/09	40.7	0.2	46.2	0.1	39.5	0.1	36.8	0.3	38.8	0.2	35.3	0.1	33.0	0.1	NA	NA	NA	NA	0.0	2
Sat 03/21/09	19.9	0.1	16.2	0.1	25.1	0.1	21.4	0.1	17.8	0.1	14.8	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Sun 03/22/09	35.2	0.1	33.2	0.1	36.7	0.1	35.4	0.1	37.5	0.1	33.7	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

All reported PM₁₀, TVOC, and odor intensity values represent 15-minute averages.
Fixed Air Monitoring Station

¹ Data collection interrupted while FAM1 was moved, PAM2 collected data during move in vicinity of FAM1

3/17 (07:41-15:02), 3/18 (06:56-14:44) and 3/19 (08:25-13:40)

² 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)

Weekly Elevated Concentration above the Action Limit Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 03/16/09 End Date: 03/22/09

<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	Mon 3/16/09	FAM 1	9:57AM	10:09AM	13	150	NE 6.5mph	–	FAM 6	181.6	86.1	95.5	Operational	Regional influences	On site PM and Health and Safety officer notified, levels decreased as humidity dropped.
			10:36 AM	10:56 AM	21		NE 6.9mph	ENE 4.5mph	FAM 6	180.6	89.1	91.5			

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

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.

** 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)