

Community Air Monitoring Program
8/30/10 through 9/5/10

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 8/30/10 through 9/5/10 there were six Fixed and two Portable Air Monitoring locations measuring TVOC and PM₁₀. **Fifteen-minute averages for PM₁₀ and TVOC data remained in the Operational Condition**

There were no elevated TVOC or PM₁₀ concentrations during the monitoring period.

Weekly Data Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 8/30/10 End Date: 9/5/10

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		HCN	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)	HCN (ppm)	Naphth alene (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 / HCN = 1 ppm)																			
Mon 8/30/10	94.9	0.1	109.9	0.1	135.8	0.1	91.6	0.1	108.5	0.1	122.7	0.1	76.7	0.1	NA	NA	NA	NA	NA
Tue 8/31/10	96.8	0.1	89.7	0.1	124.6	0.1	92.6	0.1	155.1 ¹	0.1	101.8	0.1	ND ²	0.1	NA	NA	NA	NA	NA
Wed 9/1/10	112.1	0.1	153.4 ¹	0.1	212.0 ¹	0.1	142.8	0.1	169.9 ¹	0.1	151.8 ¹	0.1	152.4 ¹	0.0	NA	NA	NA	NA	NA
Thu 9/2/10	91.3	0.1	75.5	0.1	147.5	0.1	80.3	0.1	86.6	0.1	108.3	0.1	103.0	0.0	NA	NA	NA	NA	NA
Fri 9/3/10	23.9 ³	0.1 ³	36.9 ³	0.1 ³	101.7 ³	0.1 ³	37.9 ³	0.1 ³	44.5 ³	0.1 ³	70.3 ³	0.1 ³	53.2	0.0	NA	NA	NA	NA	NA
Sat 9/4/10	31.9 ³	0.1 ³	36.0 ³	0.1 ³	29.8 ³	0.1 ³	38.3 ³	0.1 ³	18.8 ³	0.1 ³	77.1 ³	0.1 ³	NA	NA	NA	NA	NA	NA	NA
Sun 9/5/10	14.6	0.1	10.0	0.1	6.1	0.1	9.7	0.1	13.8	0.1	8.2	0.1	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.

ND No Data

NA Not Applicable

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.

² PAM1 PM₁₀ data invalid 8/31/10 entire day due to instrument malfunction.

³ Instruments were taken out of service Friday, September 3 after work hours and re started Saturday @ ~11:00am due to the potential weather hazards from Hurricane Earl..

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: 8/30/10 End Date: 9/5/10

<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	Tue 8/31/10	FAM5	8:44PM 9:17PM	8:52PM 9:21PM	14	150	Variable	Variable	FAM4	155.0	67.9	87.1	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.
PM₁₀	Wed 9/1/10	FAM3	3:32AM 4:05AM 5:29AM	3:52AM 4:18AM 5:43AM	50	150	SW 3.0 mph	W 3.1 mph	FAM6	212.0	136.7	75.3	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.
PM₁₀	Wed 9/1/10	FAM5	3:33AM	3:43AM	11	150	SW 3.0 mph	Variable	FAM4	169.9	134.4	35.5	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.
PM₁₀	Wed 9/1/10	FAM2	3:40AM	3:43AM	4	150	Variable	Variable	FAM6	153.4	130.1	23.3	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.
PM₁₀	Wed 9/1/10	FAM6	5:31AM	5:33AM	3	150	Variable	Variable	FAM2	151.8	92.3	59.5	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.
PM₁₀	Wed 9/1/10	PAM1	8:40AM	8:42AM	3	150	NNW 3.6 mph	NNW 3.6 mph	FAM1	152.4	67.5	84.9	Operational ¹	High relative humidity.	Determined background would reduce concentrations below the Alert Limit.

* 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.

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.

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)