

Community Air Monitoring Program
11/8/10 through 11/14/10

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 11/8/10 through 11/14/10 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.** However, there were elevated concentrations above the Action Limit as described in the following paragraph.

On Saturday, November 13, 2010 there was a period of elevated PM₁₀ concentrations at a Fixed Air Monitoring Sites 5 and 6 (FAM 5 and FAM6). The elevated concentrations were caused by atmospheric conditions. No action was required because all of the elevated concentrations were reduced below the Action Limit after background subtraction. Therefore, the site remained in the operational condition (see Table 2).

Weekly Data Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 11/8/10 End Date: 11/14/10

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)	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 / HCN = 1 ppm)																			
Mon 11/8/10	10.1	0.1	13.6	0.1	24.0	0.1	9.5	0.1	20.7	0.1	12.8	0.1	25.8	0.1	NA	NA	NA	NA	NA
Tue 11/9/10	23.2	0.2	26.3	0.1	27.7	0.1	24.4	0.1	20.9	0.1	11.3	0.1	11.5	0.1	NA	NA	NA	NA	NA
Wed 11/10/10	21.0	0.6	21.4	1.2	14.1	0.2	11.0	0.5	21.4	0.8	11.8	0.1	14.5	0.1	NA	NA	NA	NA	NA
Thu 11/11/10	52.4	0.1	13.3	0.1	13.3	0.4	12.1	0.1	15.9	0.1	10.2	0.1	17.8	0.1	NA	NA	NA	NA	NA
Fri 11/12/10	53.0	0.1	20.3	0.1	15.5	0.9	15.1	0.1	22.0	0.2	13.7	0.1	16.4	0.1	NA	NA	NA	NA	NA
Sat 11/13/10	101.5	0.1	110.3	0.4	114.6	1.1	121.1	0.1	172.1 ¹	0.5	178.1 ¹	0.2	NA	NA	NA	NA	NA	NA	NA
Sun 11/14/10	81.8	0.1	74.7	1.0	60.6	2.5	61.6	0.1	65.9	0.7	56.4	0.2	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.

ND No Data

NA Not Applicable

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: 11/8/10 End Date: 11/14/10

<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	Sat 11/13/10	FAM6	6:50 PM	7:02 PM	13	150	Variable	Variable	FAM1	178.1	84.4	93.7	Operational ¹	Atmospheric conditions.	Background reduced levels below the Action Limit.
PM₁₀	Sat 11/13/10	FAM5	6:51 PM	7:06 PM	16	150	Variable	Variable	FAM1	172.1	84.3	87.8	Operational ¹	Atmospheric conditions.	Background reduced levels below the Action 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)