

Community Air Monitoring Program
8/9/10 through 8/15/10

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 8/9/10 through 8/15/10 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 Tuesday, August 10, 2010 there was a period of elevated PM₁₀ concentrations at Fixed Air Monitoring Site 1 (FAM 1). The elevated concentrations were caused by high relative humidity. On Wednesday, August, 11, 2010 there were periods of elevated PM₁₀ concentrations caused by the operation of heavy equipment in the vicinity of FAM1 as well as high relative humidity. The area was watered and concentrations were reduced. All 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: 8/9/10 End Date: 8/15/10

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 8/9/10	77.8	0.1	60.8	0.1	106.1	0.1	75.5	0.1	66.4	0.1	61.6	0.1	88.4	0.0	NA	NA	NA	NA	NA
Tue 8/10/10	177.8 ¹	0.1	81.6	0.1	109.8	0.1	80.0	0.1	82.7	0.1	88.0	0.1	80.5	0.0	NA	NA	NA	NA	NA
Wed 8/11/10	182.7 ¹	1.2	113.8	0.3	94.4	1.2	113.2	0.1	116.0	0.1	117.3	0.1	110.4	0.0	NA	NA	NA	NA	NA
Thu 8/12/10	59.3	0.1	32.9	0.1	40.3	0.1	28.7	0.1	30.4	0.1	34.2	0.1	27.4	0.0	NA	NA	NA	NA	NA
Fri 8/13/10	15.3	0.1	12.7	0.1	30.0	0.1	10.7	0.1	21.2	0.1	17.4	0.1	19.2	0.0	NA	NA	NA	NA	NA
Sat 8/14/10	21.5	0.1	18.8	0.1	7.1	0.1	17.7	0.1	15.3	0.1	27.9	0.1	NA	NA	NA	NA	NA	NA	NA
Sun 8/15/10	17.3	0.1	17.2	0.1	8.1	0.1	19.2	0.1	14.3	0.1	19.7	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

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: 8/9/10 End Date: 8/15/10

<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 8/10/10	FAM1	2:44PM	3:00PM	17	150	SW 9.2 mph	SW 8.1 mph	FAM6	177.8	80.6	97.2	Operational ¹	High relative humidity	Background reduced levels below the Action Limit.
PM₁₀	Wed 8/11/10	FAM1	2:38PM 3:07PM	2:51PM 3:19PM	27	150	Variable	Variable	FAM5	182.7	48.9	133.8	Operational ¹	Heavy equipment operating in the vicinity of FAM1 and high relative humidity.	Watering performed in area. 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)