

Community Air Monitoring Program
01/17/11 through 01/23/11

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 01/17/11 through 01/23/11 there were six Fixed and one Portable Air Monitoring locations measuring TVOC and PM₁₀. **Fifteen-minute averages for PM₁₀ and TVOC data remained in the Operational Condition during work hours.**

On Wednesday evening, January 19, 2011 there was a period of elevated PM₁₀ concentrations at a Fixed Air Monitoring Site 1 (FAM1). The elevated concentrations were caused by an off- site unknown source. No action was required because all of the elevated concentrations quickly reduced below the Action Limit. Therefore, the site remained in the operational condition during work hours (see Table 2).

Weekly Data Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 01/17/11 End Date: 01/23/11

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 01/17/11	30.0	0.1	20.1	0.1	17.0	0.1	17.7	0.1	17.0	0.2	12.4	0.1	ND ²	ND ²	NA	NA	NA	NA	NA
Tue 01/18/11	108.3	0.2	33.8 ³	2.1	99.8 ³	0.1	53.5 ³	0.1	21.2	0.8	15.3	0.4	ND ²	ND ²	NA	NA	NA	NA	NA
Wed 01/19/11	164.7 ¹	0.1	33.1	0.1	44.2	0.1	30.7	0.1	47.5	0.1	50.8	0.1	70.8 ²	0.1 ²	NA	NA	NA	NA	NA
Thu 01/20/11	64.3	0.1	45.6	0.1	50.6	0.3	26.4	0.1	16.7	0.1	16.3	0.1	28.7	0.1	NA	NA	NA	NA	NA
Fri 01/21/11	35.8	0.1	53.9	0.1	27.4	0.4	39.6	0.1	25.5	0.1	26.6	0.1	54.2	0.1	NA	NA	NA	NA	NA
Sat 01/22/11	40.3	0.1	85.4	0.1	20.3	0.1	30.7	0.1	18.8	0.1	17.5	0.1	NA	NA	NA	NA	NA	NA	NA
Sun 01/23/11	59.3	0.1	64.1	0.1	23.4	0.1	32.2	0.1	22.1	0.1	20.9	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 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).

² PAM1 1/17/11 through 1/20/11 @ 12:00PM data invalid due to instrument malfunction.

³ invalid PM₁₀ data because the sample line was removed due to .extreme moisture in line from rain and snow.
Data invalid at;

- FAM2 1/18/11 @ 9:32AM – 2:49PM;
- FAM3 1/18/11 @ 9:32AM – 2:49PM; and
- FAM4 1/18/11 @ 8:37AM – 2:49PM.

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: 01/17/11 End Date: 01/23/11

<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	WED 01/19/11	FAM1	8:17 PM	8:35 PM	19	150	NNW 13.9mph	NNW 13.9mph	FAM6	164.7	11.0	153.7	Operational	No site activity, off-site unknown source.	No action taken. Concentration quickly dropped below 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.

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)