

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 1/4/10 through 1/10/10 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.**

On Friday, January 8, 2010 there was a period of elevated PM₁₀ concentrations after work hours at Fixed Air Monitoring Site 5 (FAM 5). There were no site activities but gusty winds most likely transported dust from site locations (i.e. wind blown clean fill from the surface of back filled areas along the southern portion of the site) upwind of FAM 5. The elevated concentrations were not associated with ground intrusive activity and therefore the site remained in the Operational Condition (not associated to ground intrusive activity) (see table 2).

Weekly Data Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 1/4/10 End Date: 1/10/10

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 1/4/10	95.6	1.7	25.1	0.2	43.3 ²	0.1	33.3	0.1	45.7	0.1	34.1	0.1	13.1	0.7	NA	NA	NA	NA	NA
Tue 1/5/10	10.6	1.7	21.1	0.2	68.0	0.1	22.4	0.1	23.0	0.2	77.2	0.1	14.6	1.4	NA	NA	NA	NA	NA
Wed 1/6/10	9.7	1.2	15.6	0.2	75.3	0.1	30.5	0.1	56.6	0.2	54.9	0.1	9.8	2.0	NA	NA	NA	NA	NA
Thu 1/7/10	16.3	1.5	23.0	0.2	66.7	0.1	15.9	0.1	31.1	0.3	25.1	0.1	18.1	0.3	NA	NA	NA	NA	NA
Fri 1/8/10	36.2	2.4	43.5	0.2	61.5	0.1	39.6	0.1	174.7 ¹	0.7	49.3	0.1	53.4	1.1	NA	NA	NA	NA	NA
Sat 1/9/10	10.4	0.3	29.9	0.2	75.5	0.1	8.4	0.1	9.9	0.5	8.7	0.1	NA	NA	NA	NA	NA	NA	NA
Sun 1/10/10	23.4	0.1	34.4	0.2	94.7	0.1	13.6	0.1	12.5	0.4	15.3	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 Period of invalid PM₁₀ data was caused by intermittent equipment problems, equipment was replaced

FAM3 between 1/3/10 @ 12:00AM - 7:01AM.

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: 1/4/10 End Date: 1/10/10

<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	Fri 1/8/10	FAM5	6:55PM	7:04PM	10	150	NNW 24.4 mph	NNW 24.4 mph	FAM1	174.7	2.6	172.1	Operational ¹	Wind blowing clean fill	None

* 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 were not caused by ground intrusive activities.

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)