

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 1/25/10 through 1/31/10 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 Monday, January 25, 2010 there were periods of elevated PM₁₀ concentrations at Fixed Air Monitoring Sites 2 (FAM 2), 5 (FAM 5), and 6 (FAM 6). Heavy rain and fog contributed to / interfered with the true measurement of PM₁₀. Background concentrations were great enough to reduce all the elevated PM₁₀ concentrations below the Action Limit. Therefore the site remained in the Operational Condition (Particulate levels less than the Action Limit).

On Thursday and Friday January 28 and January 29, 2010 there were periods of elevated PM₁₀ concentrations at Site 5 (FAM 5). Gusty winds 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. During the work day event, water was applied and concentrations were reduced below the Alert Limit. The elevated concentrations were not associated with work activity and therefore the site remained in the Operational Condition.

Weekly Data Summary Report
National Grid – Rockaway Park Former MGP Site – Rockaway Park, NY
Reporting Period (Monday – Sunday): Start Date: 1/25/10 End Date: 1/31/10

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		HCN	Odor	
	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	HCN	Naphth alene	Intensity
	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(ppm)	(µg/m ³)	(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 1/25/10	24.2 ²	1.3	166.8 ^{1,2}	0.1	81.0 ²	0.1	109.7	0.1	150.6 ¹	1.1	270.1 ¹	0.1	ND ⁴	ND ⁴	NA	NA	NA	NA	NA
Tue 1/26/10	45.5 ²	0.7	26.1	0.1	74.6 ²	0.1	12.7	0.1	12.2	0.1	23.9	0.2	59.7	0.1	NA	NA	NA	NA	NA
Wed 1/27/10	30.7	0.4	36.8	0.1	71.5	0.1	30.1	0.1	23.7	0.1	29.4	0.1	5.0	0.1	NA	NA	NA	NA	NA
Thu 1/28/10	42.4	1.3	41.5	0.1	71.4	0.1	121.1	0.1	345.2 ¹	0.1	49.2	0.1	1.0	0.1	NA	NA	NA	NA	NA
Fri 1/29/10	27.4	0.4	29.9	0.1	74.9 ³	0.1	112.3	0.1	224.2 ¹	0.1	43.5	0.1	1.9	0.1	NA	NA	NA	NA	NA
Sat 1/30/10	11.5	0.6	37.9	0.1	ND ³	0.1	18.8	0.1	30.2	0.1	29.0	0.2	NA	NA	NA	NA	NA	NA	NA
Sun 1/31/10	22.3	0.6	43.4	0.1	ND ³	0.1	18.2	0.1	26.1	0.1	22.8	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

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 next table)

² Periods of invalid PM₁₀ data was caused by heavy rain collecting in inlet;

FAM 1 1/25 @ 10:00AM through 1/26/10 @ 12:23PM.

FAM 2 1/25/10 @ 10:06AM through 3:13PM and 1/26/10 1:49AM through 7:21AM.

FAM 3 1/25 @ 10:20AM through 1/26/10 @ 6:52AM.

³ Period of invalid PM₁₀ due to lose communication cable at FAM 3 1/29 @ 1:02PM through 1/31/10 @ 11:59PM.

⁴ PAM 1 unit not in operation due to severe weather (Heavy rain and high winds).

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: 1/25/10 End Date: 1/31/10

<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	Mon 1/25/10	FAM6	9:35PM	9:52PM	18	150	W 2.7 mph	SW 3.3 mph	FAM6	270.1	270.1	0.0	Operational ¹	Heavy rain and fog.	None
PM₁₀	Mon 1/25/10	FAM5	9:41PM	9:42PM	2	150	SW 3.3 mph	SW 3.3 mph	FAM5	150.6	150.6	0.0	Operational ¹	Heavy rain and fog.	None
PM₁₀	Mon 1/25/10	FAM2	9:43PM	9:48PM	6	150	SW 3.3 mph	SW 3.3 mph	FAM2	166.8	166.8	0.0	Operational ¹	Heavy rain and fog.	None
PM₁₀	Thu 1/28/10 Fri 1/29/10	FAM5	9:03PM 10:41PM 10:47PM 12:41AM 1:46AM 3:05AM 7:44AM	9:06PM 10:45PM 11:19PM 12:46AM 2:05AM 3:18AM “	83	150	NNW 25.9 mph	NNW 17.2 mph	FAM1	345.2	14.6	330.6	Operational ¹	Wind blowing clean fill	None
PM₁₀	Fri 1/29/10	FAM5	5:08PM	5:18PM	11	150	NNW 18.2 mph	NNW 20.4 mph	FAM1	206.8	9.1	197.7	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 The elevated concentrations were not associated with work activity and therefore the site remained in the Operational Condition.

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)