

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 06/18/12 through 06/24/12 there were six Fixed Air Monitoring locations measuring PM₁₀. **Fifteen-minute averages for PM₁₀ data remained in the Operational Condition**

On Wednesday, June 20 and Friday, June 22, 2012 there were periods of elevated PM₁₀ concentrations at FAM 1 and FAM 2. The elevated concentrations measured onsite were caused by atmospheric conditions (high humidity) and at FAM 1 on Wednesday, June 20 a combination of clay being dumped in a trench as well as the atmospheric conditions. Dust suppression was in use at the time of the event at FAM 1 and background did reduce all of the elevated PM₁₀ concentrations below the Action Limit. 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: 06/18/12 End Date: 06/24/12

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 06/18/12	63.6	ND ¹	19.7	ND ¹	26.0	ND ¹	26.4	ND ¹	18.5	ND ¹	21.0	ND ¹	NA	NA	NA	NA	NA	NA	NA
Tue 06/19/12	40.8 ³	ND ¹	38.0	ND ¹	6.4	ND ¹	24.8	ND ¹	26.1	ND ¹	29.1	ND ¹	NA	NA	NA	NA	NA	NA	NA
Wed 06/20/12	187.1 ^{2,3}	ND ¹	105.0	ND ¹	40.1 ⁴	ND ¹	91.0	ND ¹	79.0	ND ¹	89.0	ND ¹	NA	NA	NA	NA	NA	NA	NA
Thu 06/21/12	108.5 ³	ND ¹	87.3	ND ¹	33.1 ⁴	ND ¹	99.9	ND ¹	75.9	ND ¹	83.1	ND ¹	NA	NA	NA	NA	NA	NA	NA
Fri 06/22/12	197.3 ^{2,3}	ND ¹	154.5 ²	ND ¹	132.1	ND ¹	137.4	ND ¹	134.5	ND ¹	141.4	ND ¹	NA	NA	NA	NA	NA	NA	NA
Sat 06/23/12	117.9 ³	ND ¹	74.1	ND ¹	67.7	ND ¹	75.1	ND ¹	63.9	ND ¹	69.3	ND ¹	NA	NA	NA	NA	NA	NA	NA
Sun 06/24/12	52.2 ³	ND ¹	26.0	ND ¹	18.8	ND ¹	54.3	ND ¹	22.6	ND ¹	28.8	ND ¹	NA	NA	NA	NA	NA	NA	NA

PM₁₀ = Respirable Particulate Matter (dust)

TVOC = Total Volatile Organic Compounds

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 TVOC sampling concluded Sunday, June 3, 2012 through the end of the program.

² 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).

³ PAM 1 used in place of FAM 1 beginning 6/19/12 @ 7:31 am through the remainder of the program, all data reported as FAM 1.

⁴ FAM 3 6/20 @ 4:23 pm – 6/21/12 @ 6:33 am telemetry problem.

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: 06/18/12 End Date: 06/24/12

Summary of Elevated Concentrations															
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
Elevated Concentrations Above the Action Limit															
PM₁₀	WED 06/20/12	FAM 1	10:57AM	11:11AM	15	150	SSW 6.0 mph	SW 7.7 mph	FAM 6	187.1	81.8	105.3	Operational ¹	Elevated concentrations were due to clay being dumped in trench and atmospheric conditions.	On-site staff was notified, watering was being performed and the site remained in Operational Condition because the concentrations remained below the action limit after background subtraction.
PM₁₀	FRI 06/22/12	FAM 1	10:01AM 11:44AM 1:29PM	11:02AM 1:19PM 1:48PM	178	150	S 3.6 mph	SSW 7.0 mph	FAM 6	197.3	123.1	74.2	Operational ¹	Elevated concentrations were due to atmospheric conditions. (high humidity).	Site remained in the Operational Condition because the concentrations remained below the action limit after background subtraction and concentrations were due to atmospheric conditions.
PM₁₀	FRI 06/22/12	FAM 2	12:41PM	12:50PM	10	150	SW 10.2 mph	SW 10.2 mph	FAM 6	154.5	141.2	13.3	Operational ¹	Elevated concentrations were due to atmospheric conditions. (high humidity).	Site remained in the Operational Condition because the concentrations remained below the action limit after background subtraction and concentrations were due to atmospheric conditions.

* 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)

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.