

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 12/28/09 through 1/3/10 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 Tuesday, December 29, 2009 there were periods of elevated PM₁₀ concentrations before, during, and after work activity at Fixed Air Monitoring Sites 4, 5, and 6 (FAM 4, FAM 5, and FAM 6). The elevated concentrations were caused by blowing dust from a clean fill stockpile. Watering was instituted and the clean fill stockpile was covered during the work day. The concentrations dropped below the Action Limit and were not caused by ground intrusive activity. Additionally, there were periods of elevated PM₁₀ concentrations at Sites 4 and 5 (FAM 4 and FAM 5) on Saturday and Sunday, January 2 and 3, 2010. The elevated PM₁₀ concentrations were caused by blowing clean fill. There was no site activity, but upon a site visit by the field technician on Saturday, January 2, 2010 in response to the elevated concentrations it was observed that gusty winds were most likely transporting 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 4 and FAM 5. During this period the stockpile of clean fill was covered with a tarp and there were no apparent leaks; however, the cold and dry conditions continued to generate dust (see table 2). 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: 12/28/09 End Date: 1/3/10

| 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 12/28/09 | 80.1 | 2.1 | 73.9 | 0.6 | 110.6 ² | 0.3 | 68.9 | 0.1 | 83.1 | 0.4 | 62.0 | 0.8 | 43.7 | 0.2 | NA | NA | NA | NA | NA |
| Tue 12/29/09 | 23.9 | 0.1 | 35.3 | 0.2 | 124.9 ² | 0.1 | 489.7 ¹ | 0.2 | 573.1 ¹ | 0.4 | 270.9 ¹ | 0.1 | 47.5 | 0.1 | NA | NA | NA | NA | NA |
| Wed 12/30/09 | 29.9 | 0.1 | 23.9 | 0.3 | 116.3 ² | 0.1 | 22.0 | 0.1 | 38.1 | 0.6 | 125.3 | 0.4 | 18.8 | 0.1 | NA | NA | NA | NA | NA |
| Thu 12/31/09 | 45.1 | 0.6 | 55.2 | 0.1 | 61.1 ² | 0.2 | 49.8 | 0.1 | 52.4 | 0.8 | 55.3 | 0.2 | 39.9 | 0.5 | NA | NA | NA | NA | NA |
| Fri 1/1/10 | 68.5 | 0.5 | 65.8 | 0.1 | ND ² | 0.1 | 61.2 | 0.1 | 64.3 | 0.5 | 70.5 | 0.3 | ND ³ | ND ³ | NA | NA | NA | NA | NA |
| Sat 1/2/10 | 77.8 | 0.2 | 19.3 | 0.1 | 131.4 ² | 0.1 | 157.0 ¹ | 0.2 | 505.9 ¹ | 0.2 | 96.4 | 0.1 | NA | NA | NA | NA | NA | NA | NA |
| Sun 1/3/10 | 88.4 | 0.1 | 19.2 | 0.1 | ND ² | 0.1 | 119.9 | 0.2 | 184.7 ¹ | 0.1 | 77.7 | 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

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 Periods of invalid PM₁₀ data were caused by intermittent equipment problems, equipment was replaced

FAM3 between 12/28/09 @ 12:14PM and 12/28/09 @ 12:38PM.

FAM3 between 12/29/09 @ 4:30PM and 12/30/09 @ 8:54AM.

FAM3 between 12/31/09 @ 6:26PM and 1/2/10 @ 1:37PM.

FAM3 between 1/2/10 @ 7:09PM and 1/3/10 @ 11:59PM.

³ No site activities because of the holiday break. Therefore, no PAM data collected on 1/1/10.

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: 12/28/09 End Date: 1/3/10

| <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 12/29/09 | FAM5 | 3:20AM 4:10AM 4:13AM 5:08AM 5:28AM 6:27AM 8:43AM 10:29AM 10:32AM | 4:06AM 4:11AM 4:46AM 5:23AM 5:42AM 7:49AM 8:50AM 10:30AM 10:33AM | 209 | 150 | WNW 18.3 mph | NW 24.2 mph | PAM1 | 573.1 | 40.4 | 532.7 | Operational ¹ | Wind blowing clean fill | Watering and stock pile covered |
| PM₁₀ | Tue 12/29/09 | FAM4 | 3:36AM 5:08AM 6:28AM 7:19AM 8:23AM 8:46AM 9:06AM 9:22AM 9:34AM 9:36AM 11:01AM | 4:45AM 5:43AM 7:04AM 7:52AM 8:31AM 9:01AM 9:20AM 9:29AM " " 11:06AM | 233 | 150 | NW 20.0 mph | NNW 30.5 mph | FAM2 | 489.7 | 84.9 | 404.8 | Operational ¹ | Wind blowing clean fill | Watering and stock pile covered |
| PM₁₀ | Tue 12/29/09 | FAM6 | 3:47AM 3:49AM 4:21AM 5:12AM 5:19AM 6:44AM 7:20AM | " 3:56AM 4:29AM " 5:21AM 7:00AM 7:26AM | 46 | 150 | NW 22.5 mph | NNW 26.6 mph | PAM1 | 270.9 | 38.9 | 232.0 | Operational ¹ | Wind blowing clean fill | Watering and stock pile covered |
| PM₁₀ | Tue 12/29/09 | FAM5 | 2:09PM | 2:18PM | 10 | 150 | NNW 28.3 mph | NNW 28.3 mph | FAM1 | 165.7 | 6.7 | 159.0 | Operational ¹ | Wind blowing clean fill | Watering and stock pile covered |
| PM₁₀ | Tue 12/29/09 | FAM4 | 2:10PM | 2:13PM | 4 | 150 | NNW 28.3 mph | NNW 28.3 mph | FAM2 | 163.4 | 21.5 | 141.9 | Operational ² | Wind blowing clean fill | Watering and stock pile covered |

* 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 were not caused by ground intrusive activities.

² 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.

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: 12/28/09 End Date: 1/3/10

| <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 | Sat 1/2/10 | FAM5 | 10:20AM 11:32AM 1:10PM 3:18PM 4:00PM 4:52PM 6:11PM 6:46PM 10:37PM 10:39PM | 10:21AM 11:47AM 1:15PM 3:52PM 4:12PM 5:15PM 6:27PM 8:05PM " 10:48PM | 203 | 150 | NNW 22.7 mph | NW 26.1 mph | FAM1 | 505.9 | 60.3 | 445.6 | Operational ¹ | Wind blowing clean fill | None |
| PM₁₀ | Sat 1/2/10 | FAM4 | 6:56PM | 6:58PM | 3 | 150 | NW 26.5 mph | NW 26.5 mph | FAM1 | 157.0 | 66.9 | 90.1 | Operational ² | Wind blowing clean fill | None |
| PM₁₀ | Sun 1/3/10 | FAM5 | 10:23AM 11:39AM | 10:29AM 11:53AM | 22 | 150 | NNW 29.0 mph | NNW 28.1 mph | FAM1 | 184.7 | 67.2 | 117.5 | Operational ² | Wind blowing clean fill | None |

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PM₁₀ – Particulate matter (reported in µg/m³)

TVOC – Total volatile organic compound (reported in ppm)

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