

# Weekly Community Air Monitoring Program Update

Location: National Grid – Former Rockaway Park MGP Site, Bulkhead Area

Period: October 19 through October 25, 2015

CAMP 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 “Alert, Response and Action Limits”, and means that normal operations can continue. The “Action Condition” occurs when one or more of the fifteen minute average measurements for Dust (PM<sub>10</sub>), Total Volatile Organic Compounds (TVOC) or Odor Intensity are greater than the background or upwind measurement by the specified “Action Limits.” Reaching an Action Level requires corrective action or stopping work until the condition is addressed or abates. During the period from October 19, 2015 through October 25, 2015, four portable CAMP stations were in-use and measured TVOC and PM<sub>10</sub>. **Fifteen-minute averages for TVOC and PM<sub>10</sub> data remained below the Action Limit.**

On Friday, October 23, 2015 there was a period of elevated 15-minute average PM<sub>10</sub> concentrations greater than the Action Limit. These concentrations were caused by soil grading activities in close proximity to the PAM station. These elevated PM<sub>10</sub> concentrations were evaluated further in accordance with the NYSDOH Guidelines (DER-10) and after accounting for background concentrations it remained above the Response Limit.

## Weekly Real-Time Maximum PM<sub>10</sub> and TVOC and Periodic Hand-Held PM<sub>10</sub>, TVOC and Odor Concentration Summary

	PAM-1		PAM-2		PAM-3		PAM-4		Hand-Held		
	PM <sub>10</sub> µg/m <sup>3</sup>	TVOC ppm	PM <sub>10</sub> µg/m <sup>3</sup>	TVOC ppm	PM <sub>10</sub> µg/m <sup>3</sup>	TVOC ppm	PM <sub>10</sub> µg/m <sup>3</sup>	TVOC ppm	PM <sub>10</sub> µg/m <sup>3</sup>	TVOC ppm	Odor (0-8)
<i>Maximum 15-Minute Average Concentrations (Action Limits: PM<sub>10</sub> = 150 µg/m<sup>3</sup> / TVOC = 25 ppm / Odor Intensity = 3)</i>											
Mon 10/19/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tue 10/20/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Wed 10/21/15	36.7	0.1	69.7	1.5	64.7	0.1	42.5	0.1	NA	NA	NA
Thu 10/22/15	28.1	0.1	69.8	1.5	65.9	0.1	50.8	0.1	NA	NA	NA
Fri 10/23/15	63.9	0.1	88.1	2.0	162.0	0.1	25.7	0.1	NA	NA	NA
<div> <div> PAM = Portable Air Monitoring Station  PM<sub>10</sub> = Respirable Particulate Matter (µg/m<sup>3</sup>)  TVOC = Total Volatile Organic Compounds (ppm)  NA = Not Applicable  ND = No Data </div> <div> <ul style="list-style-type: none"> <li>Highlighted concentrations were reported above the Action Limits and were subject to further analysis based on background concentrations and onsite and offsite activities (shown in following table, if applicable).</li> <li>PAM stations collect average 15-minute PM<sub>10</sub> and TVOC concentrations updated every one minute during periods of Site activities (estimated to be Monday – Friday between 7AM and 4PM).</li> </ul> </div> </div>											

**Concentrations Above the Action Limits**

Parameter	Date	Station	Start Time	End Time	Duration (Mins)	Action Limit	Wind Conditions Start	Wind Conditions End	Location of Background Conc.	Max Elevated Conc.	Background Conc.	Max Conc. – Background Conc.	Site Condition	Comments
<b>TVOC</b>	NA	NA	NA	NA	NA	25 ppm	NA	NA	NA	NA	NA	NA	NA	TVOC concentrations remained below the Action Limit.
<b>PM<sub>10</sub></b>	Fri 10/23/15	PAM-3	11:15AM	11:25AM	11	150 µg/m <sup>3</sup>	NNE 7.3 mph	-	PAM-1	162.0	39.1	122.9	Response	Elevated PM <sub>10</sub> concentrations were caused by soil grading activities.
<p> PAM = Portable Air Monitoring Station  PM<sub>10</sub> = Respirable Particulate Matter (µg/m<sup>3</sup>)  TVOC = Total Volatile Organic Compounds (ppm)  VAR = Variable winds (wind direction changed more than 180 degrees between consecutive measurements and/or wind speeds less than 3.0 mph)  NA = Not Applicable  ND = No Data </p> <ul style="list-style-type: none"> <li>Background concentrations are determined using the current upwind concentrations unless winds are determined to be variable.</li> </ul>														