

## Community Air Monitoring Program

DATE	DATA		ANALYSIS
	Background Corrected Particulate Concentrations (mg/m <sup>3</sup> )		Response Required?
	Daily Average	Daily Max	
April 17, 2017	0.016	0.054	No
April 18, 2017	0.010	0.019	0.0
April 19, 2017	0.012	0.014	No
April 20, 2017	Inclement weather		0.0
April 21, 2017	Inclement weather		No
April 24, 2017	0.044	0.053	No
April 25, 2017	Inclement weather		No
April 26, 2017	Inclement weather		No
April 27, 2017	0.024	0.043	No
April 28, 2017	0.011	0.027	No

### Air Quality Action Levels

Background corrected particulate concentration data from the site is compared to particulate action levels. This correction is calculated by subtracting the upwind concentration from the downwind concentration and provides the concentration of particulates being generated by site activities. The specific action levels and their response are as follows:

- Between 0.100 mg/m<sup>3</sup> and 0.150 mg/m<sup>3</sup> – Particulate suppression techniques instituted.
- Greater than 0.150 mg/m<sup>3</sup> – Stop work and reevaluate activities.

### Inclement Weather

Monitoring is not conducted during rain and heavy snow events as precipitation acts as a natural suppressant and prevents the migration of particulates. In addition, moisture can impact the accuracy of the data from the monitors.

111 8<sup>th</sup> Avenue #302  
New York, NY 10011

T (212) 309 9020  
F (212) 255 8529

tech.cornell.edu

