

COMMUNITY ADVISORY GROUP (CAG)

Air Quality Monthly Updates

SANDRESM1 | Project Area 1

2022

AIR QUALITY SUMMARY

- **January 2022 | CAG MTG #18, February 24, 2022**
- **February 2022 | CAG MTG #19, March 24, 2022**
- **March 2022 | CAG MTG #20, April 28, 2022**
- **April 2022 | CAG MTG #21, May 26, 2022**
- **May 2022 | CAG MTG #22, June 23, 2022**
- **June 2022 | CAG MTG #23, July 28, 2022**
- **July 2022 | CAG MTG #24, August 18, 2022**
- **August 2022 | CAG MTG #25, September 29, 2022**
- **September 2022 | CAG MTG #26, October 26, 2022**
- **October 2022 | CAG MTG #27, November 17, 2022**
- **November 2022 | CAG MTG #28, December 15, 2022**
- **December 2022 | CAG MTG #29, January 26, 2023**

PA1 AQM | JANUARY 2022 UPDATE

Work activities East River Park focused on site preparation, including clearing and grubbing, and removals as well as the removal of the Delancey Street Pedestrian Bridge Ramps towards the middle to end of the month. Two air quality monitors were installed for the entire month of January. Three additional monitors were installed towards the end of the month, and a sixth monitor was installed in February.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of January.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on two occasions:

- **Air Monitor 1:** high PM2.5 readings were recorded on the morning of January 25 for two short durations (up to 15 minutes), and for one 15-minute duration on January 29, after hours (3:45 am).
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | FEBRUARY 2022 UPDATE

Work activities at East River Park focused on site preparation, including clearing and grubbing, and removals, ConEd utility work, and the removal of the Delancey Street Pedestrian Bridge Ramps.

There were no instances where Particulate Matter surpassed the PEL for the 15-min TWA or the daily value (24-hour TWA) for the month of February.

- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | MARCH 2022 UPDATE

Work activities at East River Park focused on site preparation, ConEd utility work, and the removal of the Delancey Street Bridge center span over the FDR Dr.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of March.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on one occasion:

- On March 19, PM 2.5 levels surpassed the PEL at AQM-3 (monitor at Delancey Street) for a duration of less than 15 minutes outside of construction work hours.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | APRIL 2022 UPDATE

Work activities at East River Park focused on site preparation, utility work and test pits. Site preparation activities began at Corlears Hook Park.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of April.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on 8 unique occasions:

- PM 2.5 levels surpassed the PEL at AQM-1 (monitor near Montgomery Street in Reach A) on 4/13, 4/14, 4/15, 4/26, and 4/28 for durations varying from 15 to 30 minutes.
- PM 10 levels surpassed the PEL at AQM-1 on 4/13, 4/26, and 4/28 for durations varying from 15 to 30 minutes.
- AQM-1 is near the construction entrance and these levels occurred due to delivery trucks waiting to enter/exit the site. Trucks have been informed not to idle.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | MAY 2022 UPDATE

Work activities at East River Park focused on site preparation, utility work, temporary bridge construction, slip ramp construction and soil stabilization test work.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of May.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on 4 unique occasions:

- PM 2.5 levels surpassed the PEL at AQM-5 on 5/12 and at AQM-1 on 5/20 and 5/21, each for durations of 20 minutes or less.
- PM 10 levels surpassed the PEL at AQM-5 on 5/12 for 20 minutes.
- on 5/22, an outlier reading occurred at AQM-3. The reading was extremely high and was recorded for 2 minutes. It was determined to be an anomaly as the readings before and after were extremely low and it occurred at 9pm on a Sunday, when no construction was taking place.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | JUNE 2022 UPDATE

Work activities at East River Park focused on site preparation, soil stabilization and esplanade removal along the waterfront. ConEd utility work along Greenway, around ferry landing and at Montgomery Street. Corlears Hook site prep and construction of temporary bridge as well as preparation activities for dismantling of permanent bridge. Slip ramp construction is ongoing.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of June.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on 1 occasion:

- PM 2.5 levels surpassed the PEL at AQM-1 on 6/27 for 14 minutes.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | JULY 2022 UPDATE

Work activities at East River Park focused on soil stabilization, deep sewer excavation and esplanade removal along the waterfront. ConEd utility work along Greenway and at Montgomery Street. Corlears Hook dismantling of permanent bridge. Slip ramp construction is ongoing. Nightwork site prep operations around Montgomery Street for the start of floodwall construction operations started.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of July.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on 2 occasions:

- PM 10 levels surpassed the PEL on 7/21 for 3 minutes.
- PM 2.5 and PM 10 levels surpassed the PEL on 7/27 for 1 minute.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | AUGUST 2022 UPDATE

Work activities at East River Park focused on soil stabilization, deep sewer excavation and esplanade removal along the waterfront. Corlears Hook bridge removal activities and start of pile work. Delancey Street Bridge start of pile work on park side. ConEd utility work along Greenway, at E 10th Street and Avenue D and at Montgomery Street. Nightwork site prep operations around Montgomery Street for the start of floodwall construction operations started. Start of Amphitheater asbestos abatement towards end of the month.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of August.

Levels of Particulate Matter surpassed the PEL for 15-min TWA on 16 occasions:

- PM 10 levels surpassed the PEL on 8/13, 8/16, 8/17, and 8/25, all for 20 minutes or less, and on 8/26 for 40 minutes.
- PM 2.5 levels surpassed the PEL on 8/5, 8/10, 8/12, 8/13, 8/17, 8/25, and 8/26, all for 18 minutes or less.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA1 AQM | SEPTEMBER 2022 UPDATE

Montgomery Street to Jackson Street: PM2.5:

- 9/16/2022: 17 minutes; vehicle traffic at FDR on-ramp – staged trucks relocated to Pier 42
- 9/25/2022: 17 minutes; overnight – no mitigation

Jackson Street to Williamsburg Bridge:

PM2.5:

- 9/8/2022: 2 minutes; construction activities – dust suppression techniques applied
- 9/20/2022: 19 minutes; construction activities – dust suppression techniques applied
- 9/26/2022: 9 minutes; construction activities – dust suppression techniques applied

PM10:

- 9/8/2022: 4 minutes; construction activities – dust suppression techniques applied
- 9/20/2022: 19 minutes; construction activities – dust suppression techniques applied

Williamsburg Bridge to Northern Project Limit

- No exceedances

ConEd Oil-O-Static Work/East River Park:

PM2.5:

- 9/3/2022: 15 minutes; overnight – no mitigation
- 9/19/2022: 16 minutes; overnight – no mitigation
- 9/22/2022: 16 minutes; condensation/water droplet anomaly – no mitigation

PM10:

- 9/19/2022: 15 minutes; overnight – no mitigation
- 9/22/2022: 16 minutes; condensation/water droplet anomaly – no mitigation
- The PM daily value (24-hour TWA) did not surpass the PEL for the month of September.

PA1 AQM | MONITORING LOCATION SEPTEMBER 2022



PA1 AQM | OCTOBER 2022 UPDATE

Montgomery Street to Jackson Street: PM2.5:

- 10/12/2022: 14 minutes*; vehicle traffic at FDR on-ramp
- 10/14/2022: 49 minutes; overnight – no mitigation
- 10/16/2022: 14 minutes*; overnight – no mitigation
- 10/21/2022: 6 minutes; vehicle traffic at FDR on-ramp

Jackson Street to Williamsburg Bridge: PM2.5:

- 10/12/2022: (2) 33 & 54 minutes; construction activities – dust suppression techniques applied
- 10/13/2022: (3) 15 & 36 & 45 minutes; construction activities – dust suppression techniques applied
- 10/17/2022: 17 minutes; construction activities – dust suppression techniques applied
- 10/26/2022: (2) around 35 minutes; construction activities – dust suppression techniques applied
- 10/26/2022: 21 minutes*; construction activities – dust suppression techniques applied

* = net exceedances

Jackson Street to Williamsburg Bridge continued: PM10:

- 10/12/2022: (2) 30 & 54 minutes; construction activities – dust suppression techniques applied
- 10/13/2022: (2) around 30 minutes; construction activities – dust suppression techniques applied
- 10/17/2022: 14 minutes; construction activities – dust suppression techniques applied

Williamsburg Bridge to Northern Project Limit

- No exceedances

ConEd Oil-O-Static Work/East River Park: PM2.5:

- 10/17/2022: 17 minutes; overnight – no mitigation
- 10/26/2022: 19 minutes; overnight – no mitigation

The PM daily value (24-hour TWA) did not surpass the PEL for the month of October.

PA1 AQM | NOVEMBER 2022 UPDATE

The PM daily value (24-hour TWA) did not surpass the PEL for the month of October.

* = net exceedances

Montgomery Street to Jackson Street:

PM2.5:

- *11/1/2022: 27 minutes; vehicle traffic at FDR on-ramp – no mitigation
- *11/3/2022: 19 minutes; vehicle traffic/construction vehicles at FDR on-ramp – no mitigation
- *11/9/2022: 18 minutes; vehicle traffic/construction vehicles at FDR on-ramp – no mitigation
- 11/17/2022: 16 minutes; anomalous reading caused by condensation/water droplet

PM10:

- 11/17/2022: 16 minutes; anomalous reading caused by condensation/water droplet

Jackson Street to Williamsburg Bridge:

PM2.5:

- 11/4/2022: 16 minutes; construction activities (onsite demolition and vehicle traffic) – dust suppression techniques applied
- 11/15/2022: 22 minutes; construction activities (onsite demolition and vehicle traffic) – dust suppression techniques applied

PM10: None.

Williamsburg Bridge to Northern Project Limit

PM2.5:

- 11/8/2022: 27 minutes; construction activities – dust suppression techniques applied

PM10:

- 11/8/2022: 27 minutes; construction activities – dust suppression techniques applied

ConEd Oil-O-Static Work/East River Park:

PM2.5:

- 11/3/2022: 15 minutes; after construction hours – no mitigation
- *11/4/2022: 31 minutes; after construction hours – no mitigation
- *11/5/2022: 38 minutes; after construction hours – no mitigation
- 11/28/2022: 16 minutes; anomalous reading caused by condensation/water droplet

PM10:

- *11/4/2022: 31 minutes; after construction hours – no mitigation
- *11/5/2022: 38 minutes; after construction hours – no mitigation
- 11/28/2022: 16 minutes; anomalous reading caused by condensation/water droplet

PA1 AQM | DECEMBER 2022 UPDATE

The PM daily value (24-hour TWA) did not surpass the PEL for the month of December.

* = net exceedances

Montgomery Street to Jackson Street:

PM2.5:

- *12/2/2022: n/a; anomalous reading due to power supply issues
- *12/21/2022: 6 minutes; anomalous reading due to power supply issues
- *12/30/2022: 23 minutes; vehicle traffic at FDR on-ramp after construction hours – no mitigation

PM10:

- *12/21/2022: 6 minutes; anomalous reading due to power supply issues
- 12/31/2022: 13 minutes; vehicle traffic after construction hours – no mitigation

Jackson Street to Williamsburg Bridge:

PM2.5 & PM10: None

Williamsburg Bridge to Northern Project Limit

PM2.5:

- *12/27/2022: 37 minutes; constructive activities – dust suppression techniques applied
- *12/27/2022: 15 minutes; constructive activities – dust suppression techniques applied
- *12/30/2022: 23 minutes; constructive activities – dust suppression techniques applied

PM10: *12/30/2022: 23 minutes; constructive activities – dust suppression techniques applied*

ConEd Oil-O-Static Work/East River Park:

PM2.5:

- 12/5/2022: 25 minutes; vehicle traffic/third party impacts after construction hours – dust suppression techniques applied next day

PM10:

- 12/5/2022: 25 minutes; vehicle traffic/third party impacts after construction hours – dust suppression techniques applied next day

PA1 AQM | MONITORING LOCATION DECEMBER 2022

