

COMMUNITY ADVISORY GROUP (CAG)

Air Quality Monthly Updates

SANDRESM2 | Project Area 2

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 #30, February 23, 2022**

PA2 AQM | JANUARY 2022 UPDATE

Work activities at E23rd Street and Stuyvesant Cove Park focused on pile installation and floodwall foundation construction. At Asser Levy Playground, work focused on floodwall construction and park restoration.

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 five occasions:

- **ALP Monitors: January 6, 25, and 28:** high PM2.5 readings were recorded on January 6 for a 10-minute duration at the end of the work shift and were not attributed to construction activities. PM2.5 levels slightly above the PEL were recorded in the morning of January 25 and the afternoon of January 28. On neither occasion did the Net PM exceed the PEL and on the 28th, the higher readings continued after the end of the work shift and were not attributed to construction activities.
- **S0 Monitors: January 13 and 27:** PM2.5 readings above the PEL were recorded for short durations (under 20 minutes) after construction activities had concluded on both days.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | FEBRUARY 2022 UPDATE

Work activities at E23rd Street and Stuyvesant Cove Park focused on pile installation and floodwall construction. At Asser Levy Playground, work focused on park restoration.

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

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

- **ALP Monitors: February 9, 11, 17, 22, 24:** elevated PM readings on February 9, 11, 17 and 24 occurred for a duration of 15 minutes or less, at which point the PM levels decreased. High levels on February 22 were due to exhaust from an excavator working directly next to the monitor, however the Net PM did not surpass the PEL.
- **SO Monitors:** PM levels were below the PEL at Solar One 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.

PA2 AQM | MARCH 2022 UPDATE

Work activities at E23rd Street and Stuyvesant Cove Park focused on floodwall construction. At Asser Levy Playground, work focused on park restoration.

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 several occasions:

- **ALP Monitors:** elevated PM readings were recorded on March 1, 7, 10, 15, 17, 18, 23, and 31. The Net PM surpassed the PEL (15-min TWA) for less than 15 minutes each on March 1, 18, and 23. Upon investigation of these occurrences, dust mitigation measures were employed such as removing idling vehicles and additional watering, and PM levels decreased.
- **SO Monitors:** PM levels were below the PEL at Solar One 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.

PA2 AQM | APRIL 2022 UPDATE

Work activities at E23rd Street and Stuyvesant Cove Park focused on floodwall construction. At Asser Levy Playground, work focused on park restoration.

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 5 occasions:

- **ALP Monitors:** on April 4, 12, 14, and 16, high PM 2.5 readings occurred for a duration of 15 minutes or less, either outside of construction hours, or when no construction was taking place in the work zone. On April 5, the elevated readings lasted for 45 minutes while a machine was in use near monitor ALP-S2, however the Net PM did not exceed the PEL.
- **SO Monitors:** PM levels were below the PEL at Solar One for the month of April.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | MAY 2022 UPDATE

Work activities at E23rd Street and Stuyvesant Cove Park focused on floodwall construction. On May 13, the ALP monitors were relocated south to 18th Street to reflect current construction.

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 8 occasions:

- **ALP Monitors:** on May 1, 9, 12, 14, 15, 16, 20, and 21 high PM 2.5 readings were recorded, however none of these readings were determined to be caused by construction, with most occurring outside of construction hours.
- **SO Monitors:** PM levels were below the PEL at Solar One for the month of May.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | JUNE 2022 UPDATE

Work activities at E23rd Street focused on floodwall construction and while work activities at Stuyvesant Cove Park focused on park reconstruction.

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 3 occasions:

- **ALP Monitors:** on June 5 and 14, PM levels exceeded the PEL for 15 minutes or less. June 5th was a Sunday when no work occurred. On June 14, a vehicle was idling. The Contractors informed the vehicle not to idle and levels decreased.
- **SO Monitors:** On June 4, PM levels exceeded the PEL for 12 minutes near the 23rd Street intersection. No work was happening in the vicinity of that monitor, however heavy traffic congestion was observed.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | JULY 2022 UPDATE

Work activities at E23rd Street focused on floodwall construction, while work activities at Stuyvesant Cove Park north focused on park reconstruction and at Stuyvesant Cove south focused on clearing and pile installation.

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 3 occasions:

- ALP-S2 - PM2.5 levels surpassed PEL for 15 min on 7/4 into 7/5 (4th of July). There were no work activities occurring.
- ALP-S2 - PM2.5 levels surpassed PEL for 15 minutes on 7/17. There were no work activities occurring after hours.
- SO-S4 – PM2.5 levels surpassed PEL for 13 minutes due to a concrete truck idling near sensor. Concrete dispatch was alerted not to idle.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | AUGUST 2022 UPDATE

Work activities at E23rd Street focused on floodwall construction. At Stuyvesant Cove Park north, work focused on park reconstruction and at Stuyvesant Cove south, work focused on clearing and pile installation.

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 2 occasions:

- ALP-S1 and S2 - PM2.5 and PM10 levels surpassed the PEL on 8/12 for 58 minutes due to staged trucks for asphalt paving operations. Flaggers directed the public away from the trucks.
- ALP-S2 - PM2.5 and PM10 levels surpassed the PEL on 8/18 into 8/19 after hours when there was no construction activity.
- Construction activity was closely monitored, and dust mitigation techniques were continuously implemented to contain airborne particles due to construction activities.

PA2 AQM | SEPTEMBER 2022 UPDATE

Work activities included floodwall construction at E23rd Street, park reconstruction at Stuyvesant Cove Park and pile installation at Stuyvesant Cove south. Murphy Brothers clearing started at the end of the month.

Avenue C Loop/Murphy Brothers Playground:

PM2.5:

- 9/13/2022: 6 minutes; overnight – no mitigation
- 9/24/2022: 15 minutes; off-site sources – no mitigation
- 9/29/2022: 12 minutes; construction activities – dust suppression techniques applied

PM10:

- 9/29/2022: 15 minutes; construction activities – dust suppression techniques applied
- The PM daily value (24-hour TWA) did not surpass the PEL for the month of September.

PA2 AQM | OCTOBER 2022 UPDATE

Work activities included floodwall construction at E23rd Street, park reconstruction at Stuyvesant Cove Park and pile installation at Stuyvesant Cove south. Murphy Brothers clearing has been in progress.

Avenue C Loop/Murphy Brothers Playground:

PM2.5:

- 10/17/2022: 4 minutes; after work hours – no mitigation as not attributed to construction activity

PM10:

- None.

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

PA2 AQM | NOVEMBER 2022 UPDATE

Work activities included floodwall construction at E23rd Street, park reconstruction at Stuyvesant Cove Park north and pile installation at Stuyvesant Cove south. Murphy Brothers clearing and sheet pile installation.

The PM daily value (24-hour TWA) did not surpass the PEL for the month of October. There were no net exceedances for this month.

* = net exceedances

Murphy Brothers Playground:

PM2.5:

- 11/4/2022: 197 minutes; idling construction vehicles unloading massive sheet piles for Murphy Brothers Playground

PM10:

- None



PA2 AQM | DECEMBER 2022 & JANUARY 2023 UPDATE

The PM daily value (24-hour TWA) did not surpass the PEL for the month of December.
There were no net exceedances for this month.

* = net exceedances

Solar One:

PM2.5:

- 12/2/22: 36 minutes; construction operations related to cleaning a dewater tank using a vacuum truck; dust control measures were enacted to mitigate dust impacts.
- 12/14/22: 22 minutes and 35 minutes; exceedance recorded after construction hours; conditions monitored, and no further actions required.

PM10:

- 12/14/22: 22 minutes and 35 minutes; exceedance recorded after construction hours; conditions monitored, and no further actions required.

Murphy Brothers Playground:

PM2.5 and PM10:

- Multiple PM2.5 exceedances were recorded during the latter part of December and early part of January from one monitor. PCC and their subcontractor investigated the exceedances and noted alerts were most likely due to non-construction related factors including ConEd steam, extreme cold weather, and condensation within the monitors. Dust control measures were enacted to mitigate dust impacts when visible dust emissions were observed.