



DEEDX, PLLC
749 Front Street
Hempstead, NY 11550

**QUEENS BOROUGH-BASED JAIL
INDEPENDENT ENVIRONMENTAL MONITORING SEPTEMBER REPORT # 1**

CLIENT'S REPR.: <u>DDC/AHJV</u>	DEEDX REPR.: <u>Fnu Anshul, Santunu Barua</u>
DESIGN BUILDER'S REPR.: <u>DeMattis</u>	REPORTING PERIOD: <u>9/22/2026 to 9/30/2026</u>
PROJECT #: <u>BBJ-QN-FAC</u>	PROJECT NO.: <u>BBJ-QN-FAC</u>
	LOCATION: <u>Queens, NY</u>

AIR / NOISE MONITORING PERSONNEL ONSITE

DEEDX

Fnu Anshul & Santunu Barua

DeMattis

EXECUTIVE SUMMARY

Independent noise and dust monitoring was conducted throughout September 2026 during active construction activities at the Queens project site located at 80-25 126th Street, Kew Gardens, New York. Monitoring results were generally consistent with observed construction activities and environmental conditions, with no significant dust or noise exceedances identified during the reporting period.

Construction activities included excavation, trench shoring, and sewer relocation work. Elevated readings were periodically observed at monitoring locations near the Van Wyck Expressway and may have been influenced by surrounding traffic and weather conditions, including periods of moderate to high winds and precipitation. No appreciable dust or noise generation attributable to onsite construction activities was observed.

For more detail, photographs, monitoring location maps, field observations, and summaries of noise and dust monitoring results are provided in Daily Reports.

DEEDX WORK SCOPE DURING REPORTING PERIOD

During September 2026, DEEDX provided independent environmental monitoring during active construction operations. Activities included coordination with site personnel, daily field observations, noise and dust monitoring, documentation of construction and environmental conditions, review of monitoring results, and preparation of monitoring reports.

DB WORK IN PROGRESS - 09/22/26-09/30/26

N/A

Excavation, shoveling, and trenching associated with sewer relocation work were performed by Unicorn Construction Enterprises during the reporting period.



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BEST MANAGEMENT PRACTICES IN USE DURING CONSTRUCTION

No additional BMPs were required during the reporting period due to the limited nature and extent of construction activities.

DEEDX STATIONARY AIR MONITORING SUMMARY

VOCs	-
PM 10	-
Notes/Comments	Data is not yet available. Review of results will be included in proceeding reports.

DEEDX HANDHELD AIR AND NOISE MONITORING SUMMARY

PM-10 (Avg.)	Average PM-10 Reading: 16.0 $\mu\text{g}/\text{m}^3$
PM-10 (Max)	Average Maximum PM-10 Reading: 70.0 $\mu\text{g}/\text{m}^3$
Noise (Leq)	Average Leq Reading: 63.9 dBA
Noise (Lmax)	Average Lmax Reading: 74.8 dBA
Notes/Comments	Limited construction activities, elevated readings may be attributed to high winds, light rain, other weather conditions associated with the nor'easter, as well as traffic from the nearby Van Wyck Expressway.

REMOTE REVIEW OF DB ENVIRONMENTAL MONITORING DATA SUMMARY

VOCs *	Data is not yet available. Review of results will be included in proceeding reports.
PM 10 *	Data is not yet available. Review of results will be included in proceeding reports.
Noise **	Average Leq Reading: 66.5 dBA
Notes/Comments	Review of results will be included in proceeding reports, along with all discovered exceedances.

*** 15-Minute Time Weighted Average (TWA) Action and Stop Work Levels:**

Parameter	TWA Action Levels	TWA Stop Work Levels
PM-2.5 ($\mu\text{g}/\text{m}^3$) ***	Not Applicable***	Not Applicable***
PM-10 ($\mu\text{g}/\text{m}^3$)	100 $\mu\text{g}/\text{m}^3$ greater than upwind	150 $\mu\text{g}/\text{m}^3$ greater than upwind

**** Community Noise Monitoring Alert Limits**

Lmax alert limits (5-min, dBA Slow): 85 daytime; 75 off-hours.

Leq, weekdays 07:00–18:00: sensitive receptors 75 dBA; commercial/industrial 80 or Background + 5, whichever is higher

Leq (10-min), sensitive receptors: weekday 65; Sat 7am–6pm = 65; Sat 6pm–Mon 7am = 55 dBA. Commercial/industrial 80 or Background + 5, whichever is higher



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ENVIRONMENTAL / COMPLIANCE ISSUES / CORRECTIVE ACTIONS

No open environmental or compliance issues.

CONCERNS, CHANGES, OR UNANTICIPATED CONDITIONS

None, minimal site activity. Unanticipated conditions included various instances of light rain and heavy winds.

RECOMMENDATIONS

None.