



**BROOKLYN BOROUGH-BASED JAIL
INDEPENDENT ENVIRONMENTAL MONITORING MONTHLY REPORT # 2**

CLIENT'S REP.: DDC/ AHJV - Jarrad Morris (AHJV)

DISTINCT REP.: N. Wieme

DESIGN BUILDER'S REP.: Tutor Perini Corporation (TPC)

REPORTING PERIOD: Sat 8/1/2026 to Mon 8/31/2026

PROJECT #: BBJ-BK-FAC

DISTINCT PROJECT NO.: 26032.01

of Shifts Worked: 47

275 Atlantic Ave,
LOCATION: Brooklyn, NY

AIR / NOISE MONITORING PERSONNEL ONSITE

Distinct Engineering	Sharath Pillai, Riya Patel, Shamar Christie
Tutor Perini Corporation (TPC)	Brendan Brophy, Mark Irvin, Greg Baumann, Jonathan Queen, Edward Bonventre, Saad Naeem

EXECUTIVE SUMMARY

DESI has been hired as the Independent Environmental Manager (IEM) for the BBJ-BK (Brooklyn) job to provide environmental oversight, specifically as it applies to air and noise compliance for community receptors. DESI utilizes a proactive approach that includes handheld readings conducted inside and outside the immediate work site.

DESI on site field representative(s) were present for 47 total shifts from Sat 8/1/2026 to Mon 8/31/2026.

DESI field representatives conducted handheld noise and dust measurements at multiple locations each shift, at various times throughout the shift. Handheld noise and dust readings are conducted both inside the work area (aka interior) and outside the work area (also referred to as perimeter readings). DESI evaluates both interior and perimeter readings to determine compliance with regulations, address potential concerns for off-site receptors, and more accurately identify potential environmental concerns at the source.

Dust readings are obtained for a duration of 15 minutes; the 15-min time-weighted average (TWA) is documented.

Noise readings are obtained for a duration of 10 minutes; Leq(10m) is documented on CML; Lmax is reviewed for compliance with site limits. Details of handheld measurements are provided in the Community Monitoring Log (CML) provided via Weekly Reports.

Environmental compliance issues are brought to the attention of the DB superintendent (or equivalent) for correction. Additionally, information on observances, recommendations and corrective actions applied are provided to AHJV/DDC personnel for review. Details of environmental compliance issues relative to IEM scope of work are included below in section "Environmental / Compliance Issues / Corrective Actions".

During this period, DESI tracked ECI as noted below.

DISTINCT WORK SCOPE DURING REPORTING PERIOD

DESI on site field representative(s) were present for 47 total shifts from Sat 8/1/2026 to Mon 8/31/2026.

During this period, DESI tracked Environmental Compliance Issues (ECI) as noted below. Additional details are provided in section 'ENVIRONMENTAL / COMPLIANCE ISSUES / CORRECTIVE ACTIONS'.

Environmental compliance issues are brought to the attention of the DB superintendent (or equivalent) for correction. Additionally, information on observances, recommendations and corrective actions applied are provided to AHJV/DDC personnel for review. Details of environmental compliance issues relative to IEM scope of work are included below in section "Environmental / Compliance Issues / Corrective Actions".

0 ECI remained open from the previous reporting period: None.

During the month, 11 additional ECIs were documented: BK-004, BK-005, BK-006, BK-007, BK-008, BK-009, BK-010, BK-011, BK-012, BK-013, BK-014.

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DISTINCT WORK SCOPE DURING REPORTING PERIOD (cont.)

During the month, DESI closed a total of 10 ECIs: BK-004, BK-005, BK-006, BK-007, BK-008, BK-009, BK-010, BK-011, BK-013, BK-014. The average number of days to resolve items closed during the month of August 2026 was 2.3 days.

As of the end of the month, 1 remained open / pending resolution: BK-012.

The following IEM Weekly Reports were provided during the reporting period for this project:

Weekly Report #02	BBJ-BK-FAC DESI_Weekly WE260802	
Weekly Report #03	BBJ-BK-FAC DESI_Weekly WE260807	<i>(adjusted to week end Friday instead of Sunday)</i>
Weekly Report #04	BBJ-BK-FAC DESI_Weekly WE260814	
Weekly Report #05	BBJ-BK-FAC DESI_Weekly WE260821	
Weekly Report #06	BBJ-BK-FAC DESI_Weekly WE260828	

Weekly Reports include Community Monitoring Log (CML) and Site Plans showing approximate handheld reading locations & DB stationary noise monitor locations.

DESI attended various meetings throughout the month, including meetings with Community Advisory Board (CAB), Council Member (CM) office, DDC/AHJV, DB Tutor Perini Corporation (TPC) and their subcontractor(s) including Vibranalysis.

During the reporting period, DESI reviewed DB monitoring data and certain BBJ-BK project documents.

TPC July 2026 Report reviewed. DESI notes the following:

TPC clarified that "Maximum Noise Reading Before Corrective Action" reflects Leq8hr data collected.

The baseline graphs included are clearer compared to what was provided on previous monthly reports.

Potential for improvement: where possible, provide information / summary relative to handheld readings obtained or spot checks conducted by DB.

Potential for improvement: provide information on current noise mitigation measures (these may include administrative controls such as quantity or placement of equipment).

As of August 31, 2026, DESI is reviewing baseline noise data downloaded by DESI via DB monitoring website. Notes, if any, will be provided upon completion of review process by DESI.

DESI is reviewing certain DB materials, applications, and procedures and may provide recommendations and/or suggestions for improvement where appropriate. Currently DESI is reviewing Spray-on Fireproofing (SOFP) material and evaluating the material and application, including Safety Data Sheet (SDS). Additional information has been requested and discussions are ongoing.

DB WORK IN PROGRESS - Sat 8/1/2026 to Mon 8/31/2026

Noted activities include use of machinery including elevator/hoist and trucks, CMU cutting, masonry wall construction, cell delivery, fireproofing, concrete pour, steel wire mesh cutting, core drilling, drilling slab, drilling holes for hanger installation, clean up and housekeeping, use of jackhammer to deconstruct concrete structure, pipe/ HVAC duct installation, glass curtain wall installation.

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BEST MANAGEMENT PRACTICES IN USE DURING CONSTRUCTION

Air quality control measures according to statements and/or plans provided by or on behalf of TPC for use on site includes covering loose materials, use of water, and debris management.

Debris management according to TPC include, but is not limited to, orange perimeter protection, black debris netting, enhanced housekeeping procedures, enhanced inspection and monitoring procedures, increased inspection frequency, reinforced weather preparedness procedures, enhanced supervisory oversight and monitoring, and retraining.

Dust mitigation noted by DESI / IEM during one or more shifts: Use of sweeping compound, netting used related to fireproofing - full or 5 ft depending on area, use of vacuum, use of tarp around masonry areas, use of water spray to suppress dust.

Noise control measures according to statements and/or plans provided by or on behalf of TPC for use on site includes restrictions on idling time for on- and off-road equipment, minimize use of equipment that generates more than 80 dBA of noise and use such equipment only during daylight hours, utilize noise barriers to contain noise where practicable, require impact devices to be equipped with acoustically attenuating shields or shrouds recommended by the manufacturer.

Noise mitigation noted by DESI / IEM during one or more shifts: perimeter construction solid fence installed, noise blankets at hoist, limitation on number of concrete trucks staging during concrete pours.

DISTINCT STATIONARY AIR MONITORING SUMMARY

VOCs	<i>VOC monitoring not required.</i>
PM 10	-
Notes/Comments	Stationary CAMP monitors will be installed after DOT permits are secured.

DISTINCT HANDHELD AIR AND NOISE MONITORING SUMMARY

VOCs	<i>VOC monitoring not required.</i>
PM 10	Average reading 18 mcg/m ³ ; range 1 to 104 mcg/m ³ . No exceedances recorded via DESI handheld measurements.
Noise	Average Leq reading approximately 71.8 dBA; range 61.9 to 91.5 dBA. No Leq exceedances recorded via DESI handheld measurements attributed to construction activities. One Leq10m exceedance 8/25/26 7:15pm near DB NM 944A (Smith St & Atlantic Ave). DESI field representative noted audible sounds while conducting the reading at this location included traffic and emergency service vehicles; no noticeable noise from construction/project sources documented during this reading. Lmax range 66.8 to 116.2 dBA. No Lmax exceedances recorded via DESI handheld measurements attributed to construction activities.
Notes/Comments	Duration of DESI handheld readings may vary; average and range values provided irrespective of specific location or duration. Some handheld PM-10 readings obtained within work area where noted on CML; CAMP limits are not directly comparable to these readings. No visible dust documented by IEM Field Representative(s). Some handheld noise readings obtained within work area; noise reduction calculations used to approximate noise levels at public receptor(s). Noise levels calculated were determined to be at or within site limits, except where ambient levels may be higher than site limits. Lmax due to ambient sources including traffic / emergency vehicles where noted on CML.

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REMOTE REVIEW OF DB ENVIRONMENTAL MONITORING DATA SUMMARY

VOCs *	<i>VOC monitoring not required.</i>
PM 10 *	<i>PM-10 not performed by DB.</i>
Noise **	DB has six (6) stationary noise monitoring locations. Subcontractor Vibranalysis provides noise monitoring services for DB. Several Lmax and Leq exceedance alert emails were received during the reporting period.
Notes/Comments	Access to noise monitoring data available to DESI via website access. DESI reviews data via website daily during days when work is scheduled. DB noise monitoring data Report provided on a monthly basis. Per TPC noise exceedance response protocol, following notification to TPC by their monitoring device of an exceedance, the cause of the exceedance is assessed. If the exceedance is determined to be due to construction, CCL and DDC are notified and corrective actions are implemented as necessary. No notification of construction-related exceedances were received for the reporting period.

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

Parameter	TWA Action Levels	TWA Stop Work Levels
PM-10 (ug/m ³)	100 ug/m ³ greater than upwind	150 ug/m ³ greater than upwind
VOC (ppm)	5 ppm greater than upwind	25 ppm greater than upwind

** Community Noise Monitoring Alert Limits

Daytime 7:00 am - 6:00 pm: 85 dBA Lmax and Leq (8 Hr.)

Nighttime 6:00 pm - 7:00 am: 75 dBA Lmax and Leq (8 Hr.)

ENVIRONMENTAL / COMPLIANCE ISSUES / CORRECTIVE ACTIONS

DESI on site field representative(s) were present for 47 total shifts from Sat 8/1/2026 to Mon 8/31/2026.

0 ECI remained open from the previous reporting period: None. During the month, 11 additional ECIs were documented: BK-004, BK-005, BK-006, BK-007, BK-008, BK-009, BK-010, BK-011, BK-012, BK-013, BK-014. During the month, DESI closed a total of 10 ECI: BK-004, BK-005, BK-006, BK-007, BK-008, BK-009, BK-010, BK-011, BK-013, BK-014.

As of the end of the month, 1 remained open / pending resolution: BK-012.

'Days Since Opened' calculated as of end of day Mon, Aug 31, 2026.

Number: BK-004, Closed.

Date Observed: 8/3/2026 Night.

Date Closed: 8/6/2026.

Days to Resolve: 3.

Item Description: Localized dust migration observed; compromised setup and tattered plastic sheeting. Multiple openings in the plastic tarp and a poorly netted façade opening left active CMU and mortar mixing operations directly exposed to the exterior.

Applied Corrective Action: Tarp replaced.

Number: BK-005, Closed.

Date Observed: 8/10/2026 Day.

Date Closed: 8/10/2026.

Days to Resolve: 0.

Item Description: Some openings were observed for built containment during fireproofing activity at floor 15

Applied Corrective Action: The containment was properly secured to minimize fireproofing material leaks.

Number: BK-006, Closed.

Date Observed: 8/12/2026 Day.

Date Closed: 8/12/2026.

Days to Resolve: 0.

Item Description: Observed containment opening for fireproofing and CMU cutting activity.

Applied Corrective Action: Issue was resolved by fixing the containment and no additional opening were noted.

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ENVIRONMENTAL / COMPLIANCE ISSUES / CORRECTIVE ACTIONS (cont.)

Number: BK-007, Closed.

Date Observed: 8/13/2026 Night.

Date Closed: 8/24/2026.

Days to Resolve: 11.

Item Description: Observed significant opening to orange netting on the 12th floor facing Atlantic Avenue; with CMU station located close in proximity.

Applied Corrective Action: Issue was resolved by fixing the containment and no additional opening were noted.

Number: BK-008, Closed.

Date Observed: 8/20/2026 Day.

Date Closed: 8/20/2026.

Days to Resolve: 0.

Item Description: No notifications received via email yesterday (8/19). Reviewing data on website showed last data collected for all six stationary meters was 8/19 06:00 (944A, 969A, 976A, 984A, 988A, 990A).

Applied Corrective Action: TPC response: 'There was a delay with the data pusher. It has been rebooted and is now operating normally and no data was lost during this time period.'

Number: BK-009, Closed.

Date Observed: 8/21/2026 Day.

Date Closed: 8/24/2026.

Days to Resolve: 3.

Item Description: Observed significant openings to orange netting on floors 15th, 14th, 12th and 10th.

Applied Corrective Action: Netting/containment repaired.

Number: BK-010, Closed.

Date Observed: 8/21/2026 Night.

Date Closed: 8/24/2026.

Days to Resolve: 3.

Item Description: Fire proofing Material Observed by/in close proximity to net opening on the 14th floor. Fire proofing material observed on the floor of the 13th floor Mezzanine.

Applied Corrective Action: Netting/containment repaired.

Number: BK-011, Closed.

Date Observed: 8/24/2026 Day.

Date Closed: 8/27/2026.

Days to Resolve: 3.

Item Description: Leq8h not recording on website graph for noise meters; Lmax not current reading for one location. Update 8/26: NMs online; confirm availability of data.

Applied Corrective Action: Meeting with IEM, DDC/AHJV, TPC, Vibra to discuss NM operation, data reporting. As of 8/26 check in morning, all 6 DB noise meters had data within the past hour available on the website.

Number: BK-012, Open.

Date Observed: 8/25/2026

Days Since Opened: 6.

Date Closed: N/A

Item Description: Observed significant opening to orange netting and loose tarp on floor 15. Located at the SW corner of the building (towards intersection of Boerum and Atlantic), facing South towards Atlantic Ave. Opening more significant 08/29/26; informed TPC.

Applied Corrective Action: tbd

Number: BK-013, Closed.

Date Observed: 8/25/2026 Night.

Date Closed: 8/25/2026.

Days to Resolve: 0.

Item Description: Fire Proofing material was observed on the 14th floor's mezzanine level.

Applied Corrective Action: Fire proofing material removed/cleaned up

Number: BK-014, Closed.

Date Observed: 8/26/2026 Night.

Date Closed: 8/26/2026.

Days to Resolve: 0.

Item Description: Fire Proofing material was observed on the 13th floor's mezzanine level.

Applied Corrective Action: Fire proofing material removed/cleaned up

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CONCERNS, CHANGES, OR UNANTICIPATED CONDITIONS

DESI is reviewing several materials and work procedures observed in the field and is in active discussions regarding the same with the DB Team. Discussions that are pending resolution / final disposition include: DESI review of Spray On Fireproofing (SOPF) material, specifically as it pertains to community receptors. DESI is reviewing the SDS

RECOMMENDATIONS

Continue dust and noise mitigation measures in use.
Maintain orange netting full and 5 ft., except if actively performing operations that require temporary removal.
Ensure debris, including fireproofing debris, is cleaned promptly.
Ensure dust minimization during cleanup of fireproofing materials.
Dry sweeping is generally not recommended; use of sweeping compounds or vacuuming may reduce migration of dust during cleanup.
Ensure properly secured containment to minimize fireproofing material leaks.
Use noise control methods as necessary for activities performed throughout various work areas.
Schedule noise-producing activities to less-sensitive hours (e.g., daytime) whenever feasible.