

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **06/24/2025**

Site Conditions: **High 90s – Sunny and Humid**

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner - HSE Leader
Geosource	Nigel Blakey - PM Jarren Ball - Site Supervisor
Salas O'Brien	Aaron Walker - Acoustics
Behrens and Associates · Environmental Noise Control (BAENC)	Mike Fedorka – Foreman Mike Stapleton – Site Supervisor David Sands – Laborer Cory Kesler – Laborer James Estepp – Laborer Domenic Damien - Laborer
Others	Catherine Picard (Geo Engineers) Victor Valles – RBT Bob Dillion – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Measurement 1: 7:00:00 – 11:49:41

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
74	55	0

Measurement 2: 12:50:00-19:00:00¹

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
72	51	0

¹Due to excessive heat, equipment experienced loss of power between 11:49:41 and 12:50:00

Lmax-slow: Maximum sound level measured using the slow time averaging window. Window is one second and is responsive to intermittent or impulsive events while still acknowledging the full ambient noise picture.

Leq: Average sound pressure level over the time window. It represents the same total sound energy as the fluctuating level that was measured.

Events: Count of how many seconds had an average sound level that exceeded 86 dBA* over the measured time window.

Air Quality Measurements

	Min	Max	Avg
PM10 (15 min) µg/m3	1.3960	7.9297	1.9571
VOC (15 min) ppm	0.0029	0.6435	0.0712

PM10: 10-micron diameter particle, measured in µg/m3.

PM10 Action Level = 150 µg/m3.

VOC: Volatile Organic Compound, measured in parts per million (ppm).

VOC Action Level = 5 ppm

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0022	0.0928	0.0085
Transverse in/sec	0.0025	0.0723	0.0080
Vertical in/sec	0.0022	0.0506	0.0082

Threshold Level = 0.50 inches per second

Limit Level = 1.00 inches per second

Time Weighted Average (TWA) = Average vibration over a 15-minute interval.

PPV = Peak Particle Velocity

DELIVERY – Borehole Completion Status

Installation Notes: Today, Behrens and Associates · Environmental Noise Control (BAENC) arrived on site to receive their equipment in preparation for erecting the sound wall. Additionally, Geosource was present on site, beginning the layout of their boreholes.

Drilling Progress (Green = Complete, Yellow = Drilling, Grouting = Orange)

Bore Number																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Productivity:		15,300 Total feet remaining								XX Average feet per day								XX Estimated days to completion.					

UPCOMING EVENTS FOR THE WEEK

- 06/25/2025 Site Setup & Installation of Sound Wall, Drilling Equipment Deliveries.
- 06/26/2025 Site Setup & Installation of Sound Wall, Drilling Equipment Deliveries.
- 06/27/2025 Site Setup & Installation of Sound Wall, Drilling Equipment Deliveries.
- 06/30/2025 Tentative Drilling Start Date
- 07/01/2025 Tentative Drilling/Grouting