

# Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 06/25/2025

Site Conditions: High 80s - Partly Cloudy and Humid

Onsite Personnel	
Honeywell	Mark Rahall - PM
	Marcia Turner - HSE Leader
	Sam McEwan – Director of HSE
	Greg Valente – Sr HSE Manager
	Peter Burgio – Sr HSE Manager
Geosource	Nigel Blakey - PM
	Jarren Ball - Site Supervisor
Salas O'Brien	Austin Pratt – Geo Instruments
Behrens and Associates ·	Mike Fedorka – Foreman
<b>Environmental Noise</b>	Mike Stapleton – Site Supervisor
Control (BAENC)	David Sands – Laborer
	Cory Kesler – Laborer
	James Estepp – Laborer
	Domenic Damien - Laborer
Others	Bob Dillion – City Clerk

## **SAFETY - MONITORING DATA**

#### **Sound Measurements**

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
79	56	0

<u>Lmax-slow</u>: 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.

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

<u>Events</u>: 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	1.8200	4.0067	3.0438
VOC (15 min) ppm	0.0198	0.6341	0.1462

**PM10**: 10-micron diameter particle, measured in  $\mu$ g/m3.

**PM10 Action Level** =  $150 \mu g/m3$ .

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

VOC Action Level = 5 ppm

#### Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.3022	0.0117
Transverse <sup>1</sup> in/sec	0.0022	0.3966	0.0123
Vertical in/sec	0.0016	0.193	0.0110

Threshold Level = 0.50 inches per second

<u>Limit Level</u> = 1.00 inches per second

<u>Time Weighted Average (TWA)</u> = Average vibration over a 15-minute interval.

**PPV** = Peak Particle Velocity

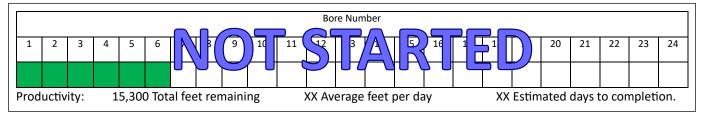
<sup>1</sup>Spike in vibration data due to battery being serviced



## **DELIVERY – Borehole Completion Status**

Installation Notes: Today, Behrens and Associates · Environmental Noise Control continued their site preparation for the upcoming sound wall project, which is set to commence tomorrow. Throughout the day, Geosource made significant progress by receiving their remaining equipment and coordinating for tomorrow's activities.

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



## **UPCOMING EVENTS FOR THE WEEK**

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
07/02/2025	Tentative Drilling/Grouting