

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 - Environmental Noise Control (BAENC)	Mike Fedorka – Foreman Mike Stapleton – Site Supervisor 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

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	1.8200	4.0067	3.0438
VOC (15 min) ppm	0.0198	0.6341	0.1462

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	0.0019	0.3022	0.0117
Transverse ⁴ in/sec	0.0022	0.3966	0.0123
Vertical in/sec	0.0016	0.193	0.0110

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

⁴Spike 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)

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
Green	Green	Green	Green	Green	Green																		
Productivity:						15,300 Total feet remaining						XX Average feet per day						XX Estimated days to completion.					

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