

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/03/2025

Site Conditions: *High 80s – Hot/Humid*

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner - HSE Leader
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand
Salas O'Brien	
Others	PJ Lynch – City Clerk Adilson Texeria – RBT PM

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
88	60	1 ¹

¹Spike in dBA due to metal-to-metal contact when changing out drilling rods. Mitigation steps have been taken to ensure rods are fully prepped.

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/m ³	1.5482	10.6848	5.4343
VOC (15 min) ppm	0.0012	0.1219	0.0161

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	0.0022	0.0019
Transverse in/sec	0.0388	0.0323	0.0534
Vertical in/sec	0.0055	0.0058	0.0066

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: Geosource received the replacement pump that was needed. They installed and tested before their drilling activities began. They were able to accomplish 300ft of drilling before shutting down for the day.

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: 15,000 Total feet remaining 300 Average feet per day 30 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/07/2025 Drilling/Looping/Grout Installation
- 07/08/2025 Drilling/Looping/Grout Installation
- 07/09/2025 Drilling/Looping/Grout Installation
- 07/10/2025 Drilling/Looping/Grout Installation
- 07/11/2025 Drilling/Looping/Grout Installation