

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/25/2025

Site Conditions: **High 80s – Sunny/Rain**

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner - HSE
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand Peter Reitsma - Foreman
Salas O'Brien	Aaron Walker - Engineer
Others	PJ Lynch – City Clerk Adam Mullen – PM RBT Victo Valles – PM RBT

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
104	64	2 ¹

¹Upon investigation both exceedances appear to be digital pops. The time frame for the pops were at 14:45 and 15:55, both pops being 1 single 1 second measurement with normal levels on the measurements both before and after them.

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	0.8068	6.1481	3.5844
VOC (15 min) ppm	0.0036	0.0332	0.0198

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	0.0394	0.0096
Transverse in/sec	0.0022	0.0382	0.0082
Vertical in/sec	0.0022	0.0413	0.0097

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 completed 380ft of drilling today which helped finish the 4th hole for this summer and 10 overall. They intend to grout that hole on Monday and continue to make progress on the remaining holes.

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: 11,030 Total feet remaining 267 Average feet per day 18 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/28/2025 Drilling/Looping/Grout Installation
- 07/29/2025 Drilling/Looping/Grout Installation
- 07/30/2025 Drilling/Looping/Grout Installation
- 07/31/2025 Drilling/Looping/Grout Installation
- 08/01/2025 Drilling/Looping/Grout Installation