

## Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/09/2025

Site Conditions: Mid 70s – Cloudy/Rain

Onsite Personnel	
Honeywell	Mark Rahall – PM
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand
Salas O'Brien	Rick Opelt – Construction Specialist Tia Hardrick – Construction Specialist
Others	PJ Lynch – City Clerk

### SAFETY – MONITORING DATA

#### Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
83	60	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	2.1990	6.7674	4.9033
VOC (15 min) ppm	0.0177	0.0440	0.0276

**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	0.0025	0.0019
Transverse in/sec	0.0158	0.0149	0.0137
Vertical in/sec	0.0051	0.0054	0.0058

**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: Potential thunderstorms early gave us a delayed start to the drilling. They were able to complete an additional 190ft giving us a total of 610ft drilled to date.

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: 14,710 Total feet remaining 150 Average feet per day 28 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/10/2025 Drilling/Looping/Grout Installation
- 07/11/2025 Drilling/Looping/Grout Installation
- 07/14/2025 Drilling/Looping/Grout Installation
- 07/15/2025 Drilling/Looping/Grout Installation
- 07/16/2025 Drilling/Looping/Grout Installation