

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

Date: 08/04/2025

Site Conditions: High 80s – Hazy

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	
Others	PJ Lynch – City Clerk

### SAFETY – MONITORING DATA

#### Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
77	64	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	18.1194	86.4856 <sup>1</sup>	39.7848
VOC (15 min) ppm	1.3558	1.5354	1.4319

<sup>1</sup>Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday at the ground/work zone monitor between 2:36 PM and 2:41 PM. The dust action level is 150 µg/m3 as a 24-hour time-weighted average (TWA). Yesterday’s 24-hour TWA for the ground/work zone monitor was 35.15 µg/m3, which is well below the dust action level.

**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	0.0338	0.0087
Transverse in/sec	0.0028	0.0366	0.0086
Vertical in/sec	0.0019	0.0254	0.0082

**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

DELIVERY – Borehole Completion Status

Installation Notes: Geosource completed drilling one hole today and grouted two more holes. Daily total for today was 660ft drilled.

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: 7,730 Total feet remaining 344 Average feet per day 15 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 08/05/2025 Drilling/Looping/Grout Installation
- 08/06/2025 Drilling/Looping/Grout Installation
- 08/07/2025 Drilling/Looping/Grout Installation
- 08/08/2025 Drilling/Looping/Grout Installation
- 08/11/2025 Drilling/Looping/Grout Installation