

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

Date: 08/06/2025

Site Conditions: Low 70s – 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 Fabrice Felix – BPS PM Jake Lacey – BPS PM Isreal Timberlake – BPS PM

### SAFETY – MONITORING DATA

#### Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
86	65	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	22.5729	127.7818 <sup>1</sup>	42.2038
VOC (15 min) ppm	1.3592	1.5673	1.4311

**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**

<sup>1</sup>Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday at the lower roof monitor between **8:06 AM and 8:11 AM**. 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 49.63 µg/m3, which is well below the dust action level.

#### Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.0611	0.0121
Transverse in/sec	0.0028	0.0453	0.0111
Vertical in/sec	0.0022	0.0503	0.0105

**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 had their best day yet, drilling 910ft and grouting one hole.

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: 6,540 Total feet remaining      365 Average feet per day      12 Estimated working days to completion.

**UPCOMING EVENTS FOR THE WEEK**

- 08/07/2025      Drilling/Looping/Grout Installation
- 08/08/2025      Drilling/Looping/Grout Installation
- 08/11/2025      Drilling/Looping/Grout Installation
- 08/12/2025      Drilling/Looping/Grout Installation
- 08/13/2025      Drilling/Looping/Grout Installation