

# Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: *08/04/2025* Site Conditions: **High 8***0s* – *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

<u>Lmax-slow</u>: 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.

<u>Leq</u>: Average sound pressure level over the time window. It represents the same total sound energy as the fluctuating level that was measured.

<u>Events</u>: 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 ug/m3 as a 24-hour time-weighted average (TWA). Yesterday's 24-hour TWA for the ground/work zone monitor was 35.15 ug/m3, which is well below the dust action level.

#### PM10: 10-micron diameter particle, measured in μg/m3. PM10 Action Level = 150 μg/m3.

<u>VOC</u>: Volatile Organic Compound, measured in parts per million (ppm). <u>VOC Action Level</u> = 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

<u>Limit Level</u> = 1.00 inches per second

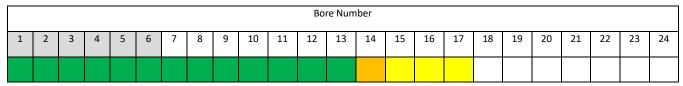
<u>Time Weighted Average (TWA)</u> = Average vibration over a 15-minute interval



## **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)



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