

# Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/30/2025 Site Conditions: *Mid 90s – Sunny* 

Onsite Personnel		
Honeywell	Mark Rahall - PM Marcia Turner – HSE	
	Alix Orton – PML	
	John Connolly - PL	
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)
78	66	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	18.1996	117.3313 <sup>1</sup>	32.6700
VOC (15 min) ppm	1.5956	1.7279	1.6531

<sup>1</sup>Elevated "instantaneous" PM10 dust concentrations (measured over 60 seconds) were detected on several occasions yesterday between 12:58 PM and 2:34 PM. The dust action level is 150 ug/m3 as a 24-hour timeweighted average (TWA). Yesterday's 24-hour TWA for the lower roof monitor was 32.65 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	0.0019	0.0369	0.0089
Transverse in/sec	0.0025	0.0326	0.0081
Vertical in/sec	0.0019	0.0369	0.0086

Threshold Level = 0.50 inches per second

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

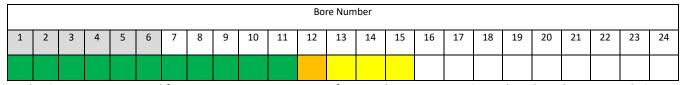
<u>Time Weighted Average (TWA)</u> = Average vibration over a 15-minute interval



## **DELIVERY – Borehole Completion Status**

Installation Notes: Geosource completed 590ft today onsite and completed grouting 1 of the holes that were completed.

Drilling Progress (Green = Complete, Yellow = Drilling, Grouting = Orange)



Productivity: 9,650 Total feet remaining 297 Average feet per day 17 E

### 17 Estimated working days to completion.

### **UPCOMING EVENTS FOR THE WEEK**

07/31/2025	Drilling/Looping/Grout Installation
08/01/2025	Drilling/Looping/Grout Installation
08/04/2025	Drilling/Looping/Grout Installation
08/05/2025	Drilling/Looping/Grout Installation
08/06/2025	Drilling/Looping/Grout Installation
08/07/2025	Drilling/Looping/Grout Installation