

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/29/2025 Site Conditions: Mid 90s – Sunny

Onsite Personnel		
Honeywell	Mark Rahall - PM	
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)
72	62	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	19.2463	88.8700 ¹	24.5520
VOC (15 min) ppm	0.8344	1.6979	1.1859

¹The maximum PM10 reading occurred right after the unit came online, so it was likely related to us working on the instrument.

PM10: 10-micron diameter particle, measured in μg/m3.

PM10 Action Level = $150 \mu g/m3$.

VOC: Volatile Organic Compound, measured in parts per million (ppm).

VOC Action Level = 5 ppm

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.0282	0.0067
Transverse in/sec	0.0025	0.0242	0.0066
Vertical in/sec	0.0022	0.0220	0.0067

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.

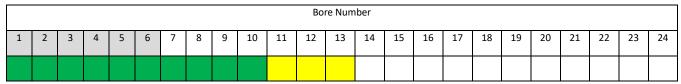
PPV = Peak Particle Velocity



DELIVERY – Borehole Completion Status

Installation Notes: Geosource completed 370 feet of drilling today. They are near the bottom on 2 of their holes and anticipate finishing those around mid-day tomorrow.

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



Productivity: 10,240 Total feet remaining 281 Average feet per day 18 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

07/30/2025	Drilling/Looping/Grout Installation
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