

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

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	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 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	0.0019	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

Limit Level = 1.00 inches per second

Time Weighted Average (TWA) = 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)

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: 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