

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/24/2025

Site Conditions: *High 80s - 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)
76	64	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	0.6614	4.7039	1.5575
VOC (15 min) ppm	0.0059	0.0237	0.0164

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	0.0465	0.0111
Transverse in/sec	0.0022	0.0289	0.0078
Vertical in/sec	0.0019	0.0506	0.0110

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 was able to complete the drilling of 450 across 2 separate holes. They did experience a maintenance issue with one of the water pump towards the end of the day and will have it repaired tomorrow morning.

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: 11,410 Total feet remaining 277 Average feet per day 19 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/25/2025 Drilling/Looping/Grout Installation
- 07/28/2025 Drilling/Looping/Grout Installation
- 07/29/2025 Drilling/Looping/Grout Installation
- 07/30/2025 Drilling/Looping/Grout Installation
- 07/31/2025 Drilling/Looping/Grout Installation
- 08/01/2025 Drilling/Looping/Grout Installation