

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **07/23/2025**

Site Conditions: **Mid 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	65	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	0.5833	9.5769	0.9724
VOC (15 min) ppm	0.0085	0.0206	0.0148

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	0.0627	0.0097
Transverse in/sec	0.0022	0.0633	0.0407
Vertical in/sec	0.0125	0.0104	0.0108

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: The Geosource team started the day by getting the second rig set up for drilling and made good progress into the afternoon. They were able to complete 610ft of drilling today with both rigs running.

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: 11,860 Total feet remaining 246 Average feet per day 20 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

07/24/2025	Drilling/Looping/Grout Installation
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