

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **07/01/2025**

Site Conditions: **Mid 80 - Humid**

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner - HSE Leader
Geosource	Nigel Blakey – Foreman Jarren Ball - Site Supervisor Darren Zimmerman – Drilling Technician
Salas O'Brien	
Others	PJ Lynch – City Clerk Adilson Texeira – PM Carlton Jones – Director PFD

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
75	52	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	2.4283	6.5534	4.2061
VOC (15 min) ppm	0.0053	0.1385	0.0182

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	0.0022	0.0143	0.0045
Transverse in/sec	0.0025	0.0121	0.0052
Vertical in/sec	0.0019	0.0115	0.0054

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 began their site work yesterday by setting up their drill rig and laying out their hoses and safety. During their start up on the drill their mud pump experienced an unforeseen electrical issue. The expectation is for Geosource to work with their technician to identify the problem and begin drilling on Wednesday.

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:		15,300 Total feet remaining								XX Average feet per day								XX Estimated days to completion.					

UPCOMING EVENTS FOR THE WEEK

- 07/01/2025 Drilling/Looping/Grout Installation
- 07/02/2025 Drilling/Looping/Grout Installation
- 07/03/2025 Drilling/Looping/Grout Installation
- 07/07/2025 Drilling/Looping/Grout Installation
- 07/08/2025 Drilling/Looping/Grout Installation