

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/10/2025

Site Conditions: Mid 70s – Cloudy/Rain

Onsite Personnel	
Honeywell	George Saint-Amant - PM
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand
Salas O'Brien	Rick Opelt – Construction Specialist Tia Hardrick – Construction Specialist
Others	PJ Lynch – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
92	62	2 ¹

¹ At 14:39 – 88.7 dBA sound of metal on metal, like a hammer on an anvil

At 17:21:32 – 92.9 dBA there is a mechanical whine

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/m ³	1.5905	6.9506	4.2598
VOC (15 min) ppm	0.0186	0.0519	0.0344

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	0.0025	0.0019
Transverse in/sec	0.0332	0.0202	0.0205
Vertical in/sec	0.0060	0.0059	0.0059

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 accomplish 150ft of drilling today. They had to pull the rods out towards the end of the day to analyze the drill bit and replace if needed.

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: 14,540 Total feet remaining 150 Average feet per day 28 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/11/2025 Drilling/Looping/Grout Installation
- 07/14/2025 Drilling/Looping/Grout Installation
- 07/15/2025 Drilling/Looping/Grout Installation
- 07/16/2025 Drilling/Looping/Grout Installation
- 07/17/2025 Drilling/Looping/Grout Installation
- 07/18/2025 Drilling/Looping/Grout Installation