

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **07/21/2025**

Site Conditions: **Mid 70s - Cool**

Onsite Personnel	
Honeywell	Mark Rahall – PM Marcia Turner – HSE Manager
Geosource	Nigel Blakey – Site Supervisor Jarren Ball – Drilling Technician Darren Zimmerman – Site Hand Shannan Wheatcroft – Site Hand
Salas O’Brien	
Others	PJ Lynch – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
72	56	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/m ³	0.5174	8.8423	2.8289
VOC (15 min) ppm	0.0076	0.0284	0.0153

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	0.1058	0.0061
Transverse in/sec	0.0025	0.1406	0.0070
Vertical in/sec	0.0019	0.1440	0.0068

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: Due to a mechanical issue there was no drilling activity today. They were able to fix the issue and start to pull some casing from the existing holes in preparation of setting casing in new holes on Tuesday.

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: 12,750 Total feet remaining 220 Average feet per day 23 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

- 07/22/2025 Drilling/Looping/Grout Installation – 2nd rig and equipment arrive on site
- 07/23/2025 Drilling/Looping/Grout Installation – 2nd rig begins drilling/site will now contain 2 active rigs
- 07/24/2025 Drilling/Looping/Grout Installation
- 07/25/2025 Drilling/Looping/Grout Installation
- 07/28/2025 Drilling/Looping/Grout Installation