

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/16/2025

Site Conditions: **High 80s - Humid**

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

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
82	62	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	1.8731	6.3449	3.0931
VOC (15 min) ppm	0.0000	0.0023	0.0002

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	0.0289	0.0078
Transverse in/sec	0.0025	0.0292	0.0072
Vertical in/sec	0.0022	0.0258	0.0079

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

Dust and VOC data is not available for July 16, 2025 from the lower roof and upper roof units due to cellular connection issues. Team will be on site today to change out the monitoring devices.

DELIVERY – Borehole Completion Status

Installation Notes: Geosource was able to accomplish another 420ft of drilling today and completed the grouting for the 8th hole.

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: 13,600 Total feet remaining 215 Average feet per day 26 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

07/17/2025	Drilling/Looping/Grout Installation
07/18/2025	Drilling/Looping/Grout Installation
07/21/2025	Drilling/Looping/Grout Installation
07/22/2025	Drilling/Looping/Grout Installation
07/23/2025	Drilling/Looping/Grout Installation
07/24/2025	Drilling/Looping/Grout Installation
07/25/2025	Drilling/Looping/Grout Installation