

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 07/31/2025

Site Conditions: Low 70s – Cool/Rainy

Onsite Personnel	
Honeywell	Mark Rahall - PM Marcia Turner – HSE
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)
83	67	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	19.6002	88.9757 ¹	39.9395
VOC (15 min) ppm	1.2599	1.7464	1.5688

¹Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday between 10:54am and 10:56am. The dust action level is 150 µg/m3 as a 24-hour time-weighted average (TWA). Yesterday’s 24-hour TWA for the lower roof monitor was 40.24 µg/m3, which is well below the dust action level.

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	0.0475	0.0086
Transverse in/sec	0.0022	0.0496	0.0086
Vertical in/sec	0.0022	0.0369	0.0092

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

DELIVERY – Borehole Completion Status

Installation Notes: Geosource completed 580ft today onsite and completed grouting 1 of the holes that were completed in prior days.

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: 9,070 Total feet remaining 312 Average feet per day 16 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

08/01/2025	Drilling/Looping/Grout Installation
08/04/2025	Drilling/Looping/Grout Installation
08/05/2025	Drilling/Looping/Grout Installation
08/06/2025	Drilling/Looping/Grout Installation
08/07/2025	Drilling/Looping/Grout Installation
08/08/2025	Drilling/Looping/Grout Installation