

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 08/20/2025

Site Conditions: Mid 60s– Rain

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
Salas O'Brien	
Others	PJ Lynch – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
106	65	1

The exceedance appears to be a digital pop in the equipment and not a sound from the yard. The audio is attached. After the pop the equipment is silent for several seconds and then comes back on again.

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	11.1637	54.3524	19.3172
VOC (15 min) ppm	1.1579	1.3728	1.2465

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	0.0366	0.0086
Transverse in/sec	0.0025	0.0289	0.0078
Vertical in/sec	0.0019	0.0348	0.0085

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 was able to complete 540ft of drilling today.

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: 80 Total feet remaining 465 Average feet per day 3 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

08/21/2025	Drilling/Looping/Grout Installation
08/22/2025	Equipment cleaning and site organization
08/25/2025	GeoSource to start de-mobilization & BAE back on site for wall removal
08/26/2025	GeoSource de-mobilization & BAE wall removal
08/27/2025	BAE de-mobilization and GeoSource asphalt repair
08/28/2025	Asphalt repair
08/29/2025	Site cleaning
09/02/2025	Remaining site work (cleaning/asphalt repair)