

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 08/05/2025

Site Conditions: High 80s – Hazy

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)
80	66	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	31.6881	86.5526 ¹	49.9619
VOC (15 min) ppm	1.4055	1.5614	1.4862

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

¹We reviewed the PM10 data for August 5, 2025 – elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) and “average” PM10 dust concentrations (measured over 15 minutes) were not detected from the air quality monitors. The dust action level is 150 ug/m3 as a 24-hour time-weighted average (TWA); the dust action level was not exceeded.

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.0025	0.0019
Transverse in/sec	0.0676	0.0562	0.0475
Vertical in/sec	0.0093	0.0091	0.0091

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 spent some time yesterday performing some maintenance on their equipment as well as pulling and setting casing. They were able to accomplish 280ft of drilling as well.

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: 7,450 Total feet remaining 342 Average feet per day 13 Estimated working days to completion.

UPCOMING EVENTS FOR THE WEEK

08/06/2025	Drilling/Looping/Grout Installation
08/07/2025	Drilling/Looping/Grout Installation
08/08/2025	Drilling/Looping/Grout Installation
08/11/2025	Drilling/Looping/Grout Installation
08/12/2025	Drilling/Looping/Grout Installation
08/13/2025	Drilling/Looping/Grout Installation