

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **08/25/2025**

Site Conditions: **Mid 70s– Partly Cloudy**

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
BAE	Mike Fedorka – Foreman Mike Stapleton – Site Supervisor David Sands – Laborer Cory Kesler – Laborer James Estepp – Laborer Domenic Damien - Laborer
Others	PJ Lynch – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
79	64	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	15.1375	141.7134	49.2509
VOC (15 min) ppm	1.2520	1.3988	1.3279

Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday at the ground/work zone monitor between 11:11 AM and 11:12 AM, between 4:02 PM and 4:03 PM, and between 5:25 PM and 5:28 PM. The dust action level is 150 ug/m3 as a 24-hour time-weighted average (TWA). Yesterday’s 24-hour TWA for the ground/work zone monitor was 39.16 ug/m3, which is well below the dust action level.

Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday at the lower roof monitor between 8:37 AM and 8:40 AM. The dust action level is 150 ug/m3 as a 24-hour time-weighted average (TWA). Yesterday’s 24-hour TWA for the lower roof monitor was 45.54 ug/m3, which is well below the dust action level.

Elevated “instantaneous” PM10 dust concentrations (measured over 60 seconds) were detected yesterday at the upper roof monitor at 4:36 AM, between 4:44 AM and 4:46 AM, at 4:58 AM, at 5:03 AM, between

12:34 PM and 12:37 PM, and at 4:07 PM. The dust action level is 150 ug/m3 as a 24-hour time-weighted average (TWA). Yesterday's 24-hour TWA for the upper roof monitor was 48.21 ug/m3, which is well below the dust action level.

PM10: 10-micron diameter particle, measured in ug/m3.

PM10 Action Level = 150 ug/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	0.0022	0.0133	0.0040
Transverse in/sec	0.0025	0.0112	0.0045
Vertical in/sec	0.0022	0.0152	0.0047

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 had a few trucks on site today loading up equipment to get off site. BAE mobilized today to start removing the sound walls. The 12ft section was removed to day with the 24ft wall to be completed tomorrow.

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

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)