

## Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **08/27/2025**

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

Onsite Personnel	
Honeywell	Mark Rahall - PM
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)
78	57	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

**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**

Dust and VOC data as well as the summary tables below for August 27, 2025. As noted on the summary figures, elevated concentrations of PM10 were measured during the sound barrier deconstruction, which we understand is ongoing. The dust action level is 150 ug/m3 as a 24-hour time-weighted average (TWA). The TWAs for each monitor were below the dust action level, as noted on the attached CSV files.

#### Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0022	0.0869	0.0097
Transverse in/sec	0.0031	0.0726	0.0103
Vertical in/sec	0.0028	0.0742	0.0100

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: BAE was able to get all their equipment off site and re-install the basketball hoop in the playground area. Tomorrow we will have a street sweeper on site as well as asphalt repairs taking place.

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.

08/28/2025 Asphalt repair

08/29/2025 Site cleaning

09/02/2025 Remaining site work (cleaning/asphalt repair)