

# 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			
	Nicel Distance Cite Conserving			
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

<u>Lmax-slow</u>: 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.

<u>Leq</u>: Average sound pressure level over the time window. It represents the same total sound energy as the fluctuating level that was measured.

<u>Events</u>: 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.

#### <u>PM10: 10-micron diameter particle, measured in $\mu$ g/m3.</u> <u>PM10 Action Level = 150 $\mu$ g/m3.</u>

<u>VOC</u>: Volatile Organic Compound, measured in parts per million (ppm). <u>VOC Action Level</u> = 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			

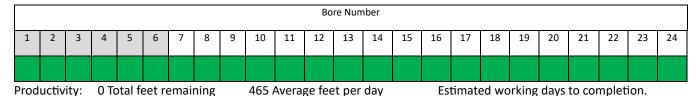
<u>Threshold Level</u> = 0.50 inches per second <u>Limit Level</u> = 1.00 inches per second

<u>Time Weighted Average (TWA)</u> = Average vibration over a 15-minute

## **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)



GeoSource de-mobilization & BAE wall removal BAE de-mobilization and GeoSource asphalt repair

08/27/2025 BAE de-mobiliz 08/28/2025 Asphalt repair 08/29/2025 Site cleaning

08/26/2025

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