

# Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: 06/30/2025 Site Conditions: High 80s - Sunny

Onsite Personnel		
Honeywell	Mark Rahall - PM	
	Marcia Turner - HSE Leader	
Geosource	Nigel Blakey – Foreman	
	Jarren Ball - Site Supervisor	
	Darren Zimmerman – Drilling Technician	
Salas O'Brien	Aaron Walker – Audio Technician	
Behrens and Associates ·	Mike Fedorka – Foreman	
<b>Environmental Noise</b>	Mike Stapleton – Site Supervisor	
Control (BAENC)	David Sands – Laborer	
	Cory Kesler – Laborer	
	James Estepp – Laborer	
	Domenic Damien - Laborer	
Others	PJ Lynch – City Clerk	
	Adam Mullen – RBT PM	

## **SAFETY - MONITORING DATA**

#### **Sound Measurements**

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
78	57	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>**Leg:**</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	1.0192	43364	2.7386
VOC (15 min)	0.0000	0.0318	0.0076
ppm			

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

**PM10 Action Level** =  $150 \mu g/m3$ .

<u>VOC</u>: 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	0.0965	0.0101
Transverse in/sec	0.0028	0.0813	0.0093
Vertical in/sec	0.0019	0.0568	0.0093

<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

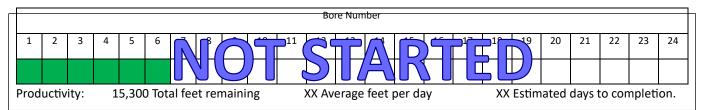
**PPV** = Peak Particle Velocity



# **DELIVERY – Borehole Completion Status**

Installation Notes: Behrens and Associates, specializing in Environmental Noise Control, are complete with the entire installation of the sound wall. Tomorrow, Geosource will begin to layout the job site and they will start their drilling.

Drilling Progress (Green = Complete, Yellow = Drilling, Grouting = Orange)



## **UPCOMING EVENTS FOR THE WEEK**

07/01/2025	Drilling/Looping/Grout Installation
07/02/2025	Drilling/Looping/Grout Installation
07/03/2025	Drilling/Looping/Grout Installation
07/07/2025	Drilling/Looping/Grout Installation