

Renew Boston Trust | JFK Elementary Geothermal | Daily Report

Date: **08/28/2025**

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
Marichi Paving	Dave Marichi - Owner Pat Murray - Laborer
Others	PJ Lynch – City Clerk

SAFETY – MONITORING DATA

Sound Measurements

Lmax – Slow (dBA)	Leq (dBA)	Events (Seconds)
76	59	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	5.4944	4664.2144	440.4976
VOC (15 min) ppm	1.1021	1.3825	1.2168

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 table below for August 28, 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 24-hour TWA for the ground/work zone monitor was 434 ug/m3, which exceeds the action level. The upper and lower roof level dust monitors also had elevated detections, but their TWAs (shown on the csv files) did not exceed the action level.

Vibration Measurements

PPV	Min	Max	Avg
Longitudinal in/sec	0.0019	0.0649	0.0097
Transverse in/sec	0.0025	0.0689	0.0087
Vertical in/sec	0.0022	0.0915	0.0102

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 their asphalt repair company on site today. They were able to sweep the site and make the necessary repairs. Tomorrow we will power wash and perform a final clean up. We may still need to complete repairs on Tuesday 9/2 after we finish our site cleanup on Friday.

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.

08/29/2025 Site cleaning

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