

Holloway Park, London

Construction Monitoring Report

Client: London Square
Ref: CM93-22405-R0
Date: 6 November 2024
Note by: Anthony Coraci, MSc DipIOA MIOA, Senior Acoustics Consultant

1. INTRODUCTION

1.1 This Technical Note sets out results of the construction monitoring being carried out at the above site between Monday 14th & Saturday 26th October 2024. The monitoring is being carried out in general agreement with the methodology in the current Section 61 Consent between the London Borough of Islington and OHOB.

2. SITE ACTIVITIES

2.1 The following activities have been carried during the period covered by this report, in addition to the usual use of the Haul Road with site vehicles:

OHOB

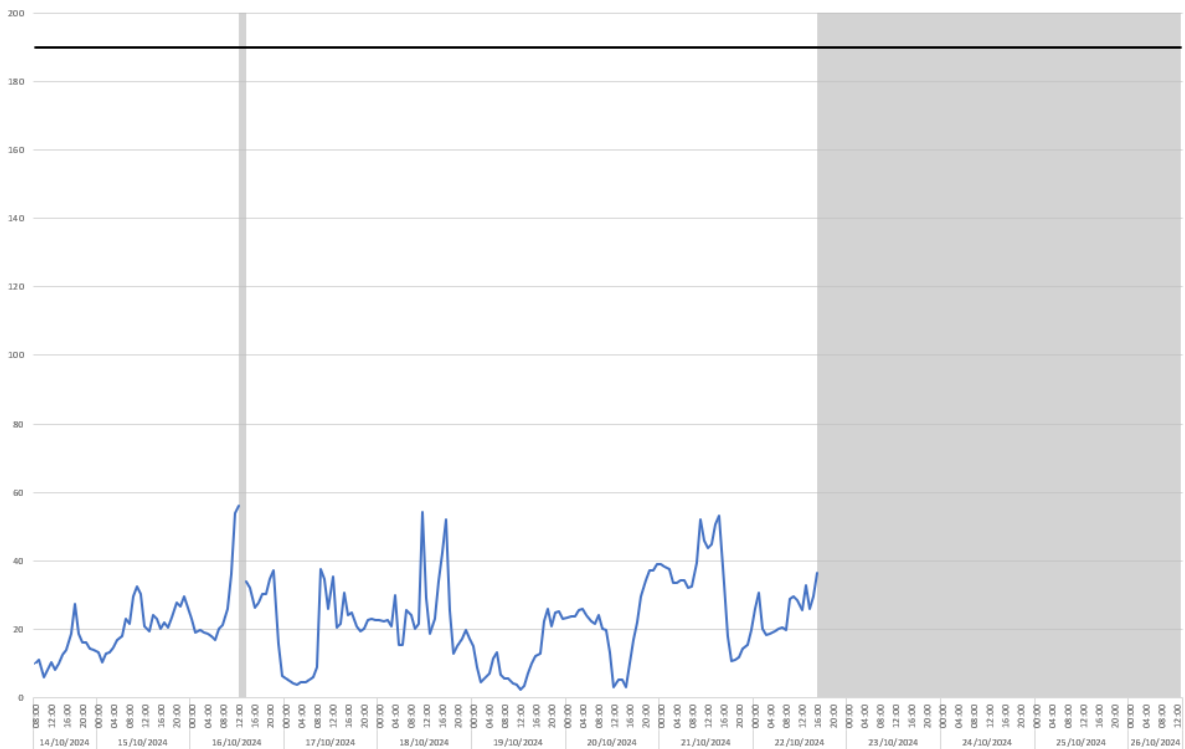
- Work continuing on the Block C decking
- Installation of drainage at Blocks D & E
- Excavation & installation of pilecaps in Block D
- Tarmac installed in front of Block D3 (due to be completed by 18th October)
- Mobile plant used around the site where required
- Installing vertical elements including retaining walls – Block D

3. MONITORING DATA

3.1 This section sets out a summary of the monitoring data that has been recorded onsite and provides a discussion of any exceedances and best practicable means incorporated by the site team if exceedances were believed to be construction related.

Dust Monitoring Results

Location 1 (meter ref. TNO4728)



- Dust trigger level, 190 $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
- Dust level, $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
- Data unavailable

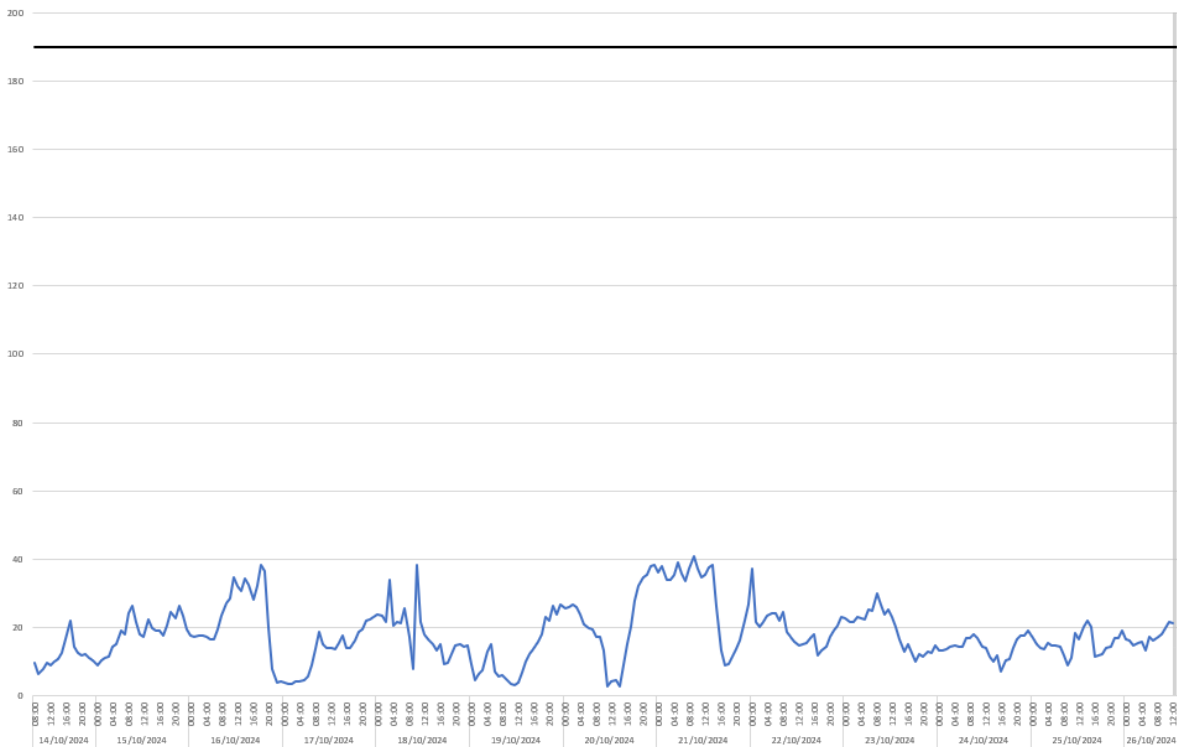
3.2 There was 66% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor went offline after 16:00 on the 22nd October due to a power outage, which has since been resolved.

3.3 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

Location 2 (meter ref. TNO4778)

3.4 The dust monitor at this location was offsite for the monitoring period covered by this report. Cass Allen attended site on Thursday 26th September, to investigate a potential fault with the instrument. It was not possible to resolve the issue during the site visit, so the monitor was removed to be sent to the manufacturer for further investigation. The manufacturer has since identified the issue, and the monitor is due to be returned to Cass Allen imminently. A further update will be provided as soon as possible.

Location 3 (meter ref. TNO4475)



Dust trigger level, 190 $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
 Dust level, $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
 Data unavailable

3.5 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.

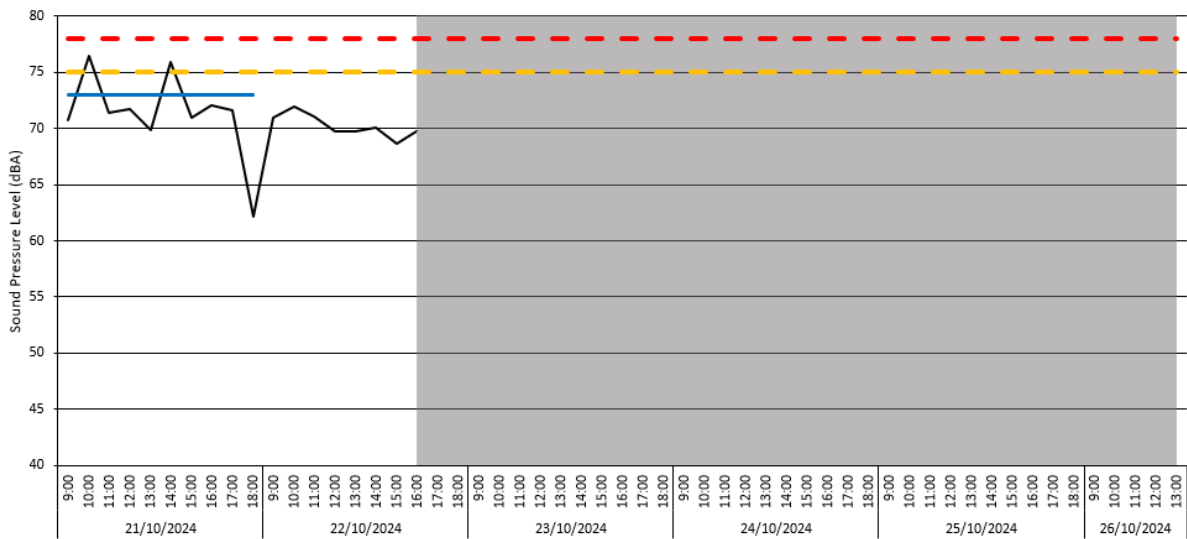
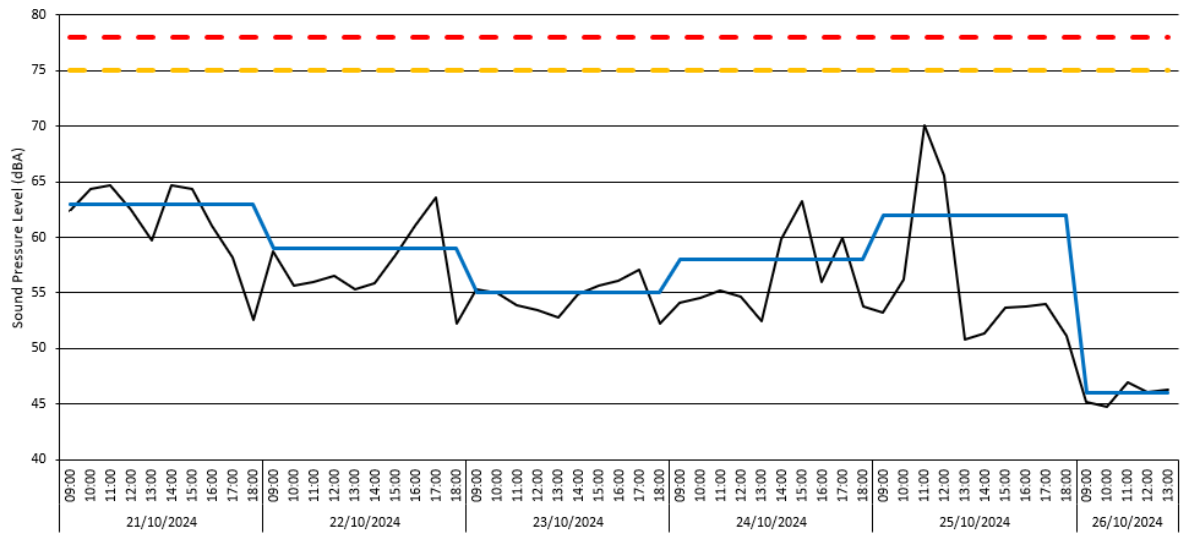
3.6 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

Noise Monitoring Results

Location 1 (meter ref. SMENK-9E5DF) – Raw Data

# Broadband Results	Date	Time	LAeq(60min)	LAeq(7hr)	LAeq(10hr)	LAeq(5hr)
	[YYYY-MM-DD]	[hh:mm:ss]	[dB]	[dB]	[dB]	[dB]
	2024-10-14	09:00:00	68.6	--	--	--
	2024-10-14	10:00:00	62.3	--	--	--
	2024-10-14	11:00:00	61.1	--	--	--
	2024-10-14	12:00:00	59.0	--	--	--
	2024-10-14	13:00:00	58.5	--	--	--
	2024-10-14	14:00:00	61.8	--	--	--
	2024-10-14	15:00:00	57.5	--	--	--
	2024-10-14	16:00:00	57.8	--	--	--
	2024-10-14	17:00:00	56.8	--	--	--
	2024-10-14	18:00:00	57.5	--	61.9	--
	2024-10-15	09:00:00	72.1	--	--	--
	2024-10-15	10:00:00	74.8	--	--	--
	2024-10-15	11:00:00	73.0	--	--	--
	2024-10-15	12:00:00	72.7	--	--	--
	2024-10-15	13:00:00	69.6	--	--	--
	2024-10-15	14:00:00	73.4	--	--	--
	2024-10-15	15:00:00	71.0	--	--	--
	2024-10-15	16:00:00	69.0	--	--	--
	2024-10-15	17:00:00	72.9	--	--	--
	2024-10-15	18:00:00	65.5	--	72.0	--
	2024-10-16	09:00:00	70.9	--	--	--
	2024-10-16	10:00:00	71.7	--	--	--
	2024-10-16	11:00:00	70.2	--	--	--
	2024-10-16	12:00:00	68.4	--	--	--
	2024-10-16	13:00:00	63.5	--	--	--
	2024-10-16	14:00:00	72.2	--	--	--
	2024-10-16	15:00:00	74.6	--	--	--
	2024-10-16	16:00:00	72.4	--	--	--
	2024-10-16	17:00:00	76.8	--	--	--
	2024-10-16	18:00:00	64.5	--	72.0	--
	2024-10-17	09:00:00	73.2	--	--	--
	2024-10-17	10:00:00	74.0	--	--	--
	2024-10-17	11:00:00	71.4	--	--	--
	2024-10-17	12:00:00	72.5	--	--	--
	2024-10-17	13:00:00	71.5	--	--	--
	2024-10-17	14:00:00	73.1	--	--	--
	2024-10-17	15:00:00	73.2	--	--	--
	2024-10-17	16:00:00	69.5	--	--	--
	2024-10-17	17:00:00	68.7	--	--	--
	2024-10-17	18:00:00	66.5	--	71.9	--
	2024-10-18	09:00:00	74.3	--	--	--
	2024-10-18	10:00:00	74.3	--	--	--
	2024-10-18	11:00:00	76.1	--	--	--
	2024-10-18	12:00:00	74.5	--	--	--
	2024-10-18	13:00:00	70.4	--	--	--
	2024-10-18	14:00:00	79.0	--	--	--
	2024-10-18	15:00:00	71.5	--	--	--
	2024-10-18	16:00:00	72.6	--	--	--
	2024-10-18	17:00:00	72.6	--	--	--
	2024-10-18	18:00:00	62.9	--	74.3	--
	2024-10-19	09:00:00	57.3	--	--	--
	2024-10-19	10:00:00	57.9	--	--	--
	2024-10-19	11:00:00	57.7	--	--	--
	2024-10-19	12:00:00	55.1	--	--	--
	2024-10-19	13:00:00	56.7	--	--	57.1
	2024-10-20	18:00:00	--	--	56.3	--
	2024-10-21	09:00:00	70.7	--	--	--
	2024-10-21	10:00:00	76.5	--	--	--
	2024-10-21	11:00:00	71.4	--	--	--
	2024-10-21	12:00:00	71.7	--	--	--
	2024-10-21	13:00:00	69.9	--	--	--
	2024-10-21	14:00:00	75.9	--	--	--
	2024-10-21	15:00:00	71.0	--	--	--
	2024-10-21	16:00:00	72.1	--	--	--
	2024-10-21	17:00:00	71.6	--	--	--
	2024-10-21	18:00:00	62.1	--	72.5	--
	2024-10-22	09:00:00	71.0	--	--	--
	2024-10-22	10:00:00	71.9	--	--	--
	2024-10-22	11:00:00	71.1	--	--	--
	2024-10-22	12:00:00	69.7	--	--	--
	2024-10-22	13:00:00	69.8	--	--	--
	2024-10-22	14:00:00	70.1	--	--	--
	2024-10-22	15:00:00	68.7	--	--	--
	2024-10-22	16:00:00	69.8	--	--	--

Location 1 (meter ref. SMENK-9E5DF) – Time History Data



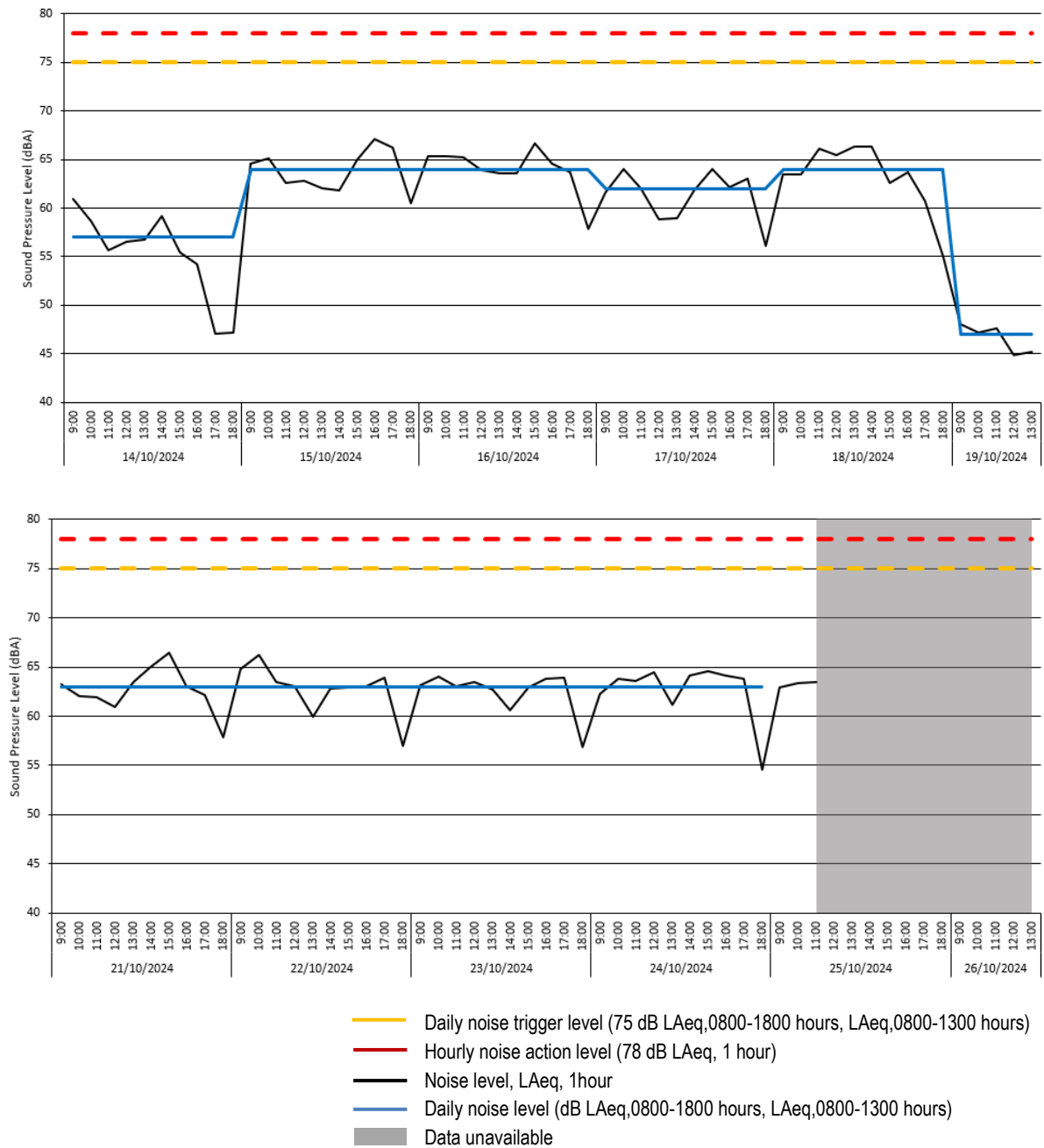
- Daily noise trigger level (75 dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- - - Hourly noise action level (78 dB LAeq, 1 hour)
- Noise level, LAeq, 1hour
- Daily noise level (dBA LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- Data unavailable

- 3.7 There was 66% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor went offline after 16:00 on the 22nd October due to a power outage, which has since been resolved.
- 3.8 No exceedances of both the project daily noise trigger level of 75 dB LAeq,T and hourly noise action level of 78 dB LAeq,1hr were recorded during the monitoring period covered by this report.

Location 2 (meter ref. VFHMP-7XSY7) – Raw Data

# Broadband Results				
Date	Time	LAeq(60min)	LAeq(10hr)	LAeq(5hr)
[YYYY-MM-DD]	[hh:mm:ss]	[dB]	[dB]	[dB]
2024-10-14	09:00:00	60.9	--	--
2024-10-14	10:00:00	58.6	--	--
2024-10-14	11:00:00	55.6	--	--
2024-10-14	12:00:00	56.5	--	--
2024-10-14	13:00:00	56.7	--	--
2024-10-14	14:00:00	59.2	--	--
2024-10-14	15:00:00	55.4	--	--
2024-10-14	16:00:00	54.2	--	--
2024-10-14	17:00:00	47.1	--	--
2024-10-14	18:00:00	47.2	56.8	--
2024-10-15	09:00:00	64.6	--	--
2024-10-15	10:00:00	65.1	--	--
2024-10-15	11:00:00	62.6	--	--
2024-10-15	12:00:00	62.8	--	--
2024-10-15	13:00:00	62.0	--	--
2024-10-15	14:00:00	61.8	--	--
2024-10-15	15:00:00	65.0	--	--
2024-10-15	16:00:00	67.1	--	--
2024-10-15	17:00:00	66.2	--	--
2024-10-15	18:00:00	60.5	64.3	--
2024-10-16	09:00:00	65.3	--	--
2024-10-16	10:00:00	65.3	--	--
2024-10-16	11:00:00	65.2	--	--
2024-10-16	12:00:00	63.9	--	--
2024-10-16	13:00:00	63.6	--	--
2024-10-16	14:00:00	63.6	--	--
2024-10-16	15:00:00	66.7	--	--
2024-10-16	16:00:00	64.6	--	--
2024-10-16	17:00:00	63.7	--	--
2024-10-16	18:00:00	57.9	64.4	--
2024-10-17	09:00:00	61.6	--	--
2024-10-17	10:00:00	64.0	--	--
2024-10-17	11:00:00	62.0	--	--
2024-10-17	12:00:00	58.8	--	--
2024-10-17	13:00:00	59.0	--	--
2024-10-17	14:00:00	61.8	--	--
2024-10-17	15:00:00	64.0	--	--
2024-10-17	16:00:00	62.2	--	--
2024-10-17	17:00:00	63.0	--	--
2024-10-17	18:00:00	56.1	61.8	--
2024-10-18	09:00:00	63.5	--	--
2024-10-18	10:00:00	63.5	--	--
2024-10-18	11:00:00	66.1	--	--
2024-10-18	12:00:00	65.5	--	--
2024-10-18	13:00:00	66.3	--	--
2024-10-18	14:00:00	66.3	--	--
2024-10-18	15:00:00	62.6	--	--
2024-10-18	16:00:00	63.7	--	--
2024-10-18	17:00:00	60.7	--	--
2024-10-18	18:00:00	55.0	64.2	--
2024-10-19	09:00:00	48.1	--	--
2024-10-19	10:00:00	47.2	--	--
2024-10-19	11:00:00	47.6	--	--
2024-10-19	12:00:00	44.9	--	--
2024-10-19	13:00:00	45.2	--	46.8
2024-10-20	18:00:00	--	50.2	--
2024-10-21	09:00:00	63.2	--	--
2024-10-21	10:00:00	62.0	--	--
2024-10-21	11:00:00	61.9	--	--
2024-10-21	12:00:00	60.9	--	--
2024-10-21	13:00:00	63.5	--	--
2024-10-21	14:00:00	65.0	--	--
2024-10-21	15:00:00	66.4	--	--
2024-10-21	16:00:00	63.0	--	--
2024-10-21	17:00:00	62.2	--	--
2024-10-21	18:00:00	57.9	63.1	--
2024-10-22	09:00:00	64.8	--	--
2024-10-22	10:00:00	66.2	--	--
2024-10-22	11:00:00	63.5	--	--
2024-10-22	12:00:00	63.0	--	--
2024-10-22	13:00:00	59.9	--	--
2024-10-22	14:00:00	62.8	--	--
2024-10-22	15:00:00	62.9	--	--
2024-10-22	16:00:00	63.0	--	--
2024-10-22	17:00:00	63.9	--	--
2024-10-22	18:00:00	57.0	63.3	--
2024-10-23	09:00:00	63.1	--	--
2024-10-23	10:00:00	64.0	--	--
2024-10-23	11:00:00	63.0	--	--
2024-10-23	12:00:00	63.5	--	--
2024-10-23	13:00:00	62.7	--	--
2024-10-23	14:00:00	60.6	--	--
2024-10-23	15:00:00	62.9	--	--
2024-10-23	16:00:00	63.8	--	--
2024-10-23	17:00:00	63.9	--	--
2024-10-23	18:00:00	56.9	62.8	--
2024-10-24	09:00:00	62.3	--	--
2024-10-24	10:00:00	63.8	--	--
2024-10-24	11:00:00	63.6	--	--
2024-10-24	12:00:00	64.5	--	--
2024-10-24	13:00:00	61.2	--	--
2024-10-24	14:00:00	64.1	--	--
2024-10-24	15:00:00	64.6	--	--
2024-10-24	16:00:00	64.1	--	--
2024-10-24	17:00:00	63.8	--	--
2024-10-24	18:00:00	54.6	63.3	--
2024-10-25	09:00:00	62.9	--	--
2024-10-25	10:00:00	63.4	--	--
2024-10-25	11:00:00	63.5	--	--

Location 2 (meter ref. VFHMP-7XSY7) – Time History Data

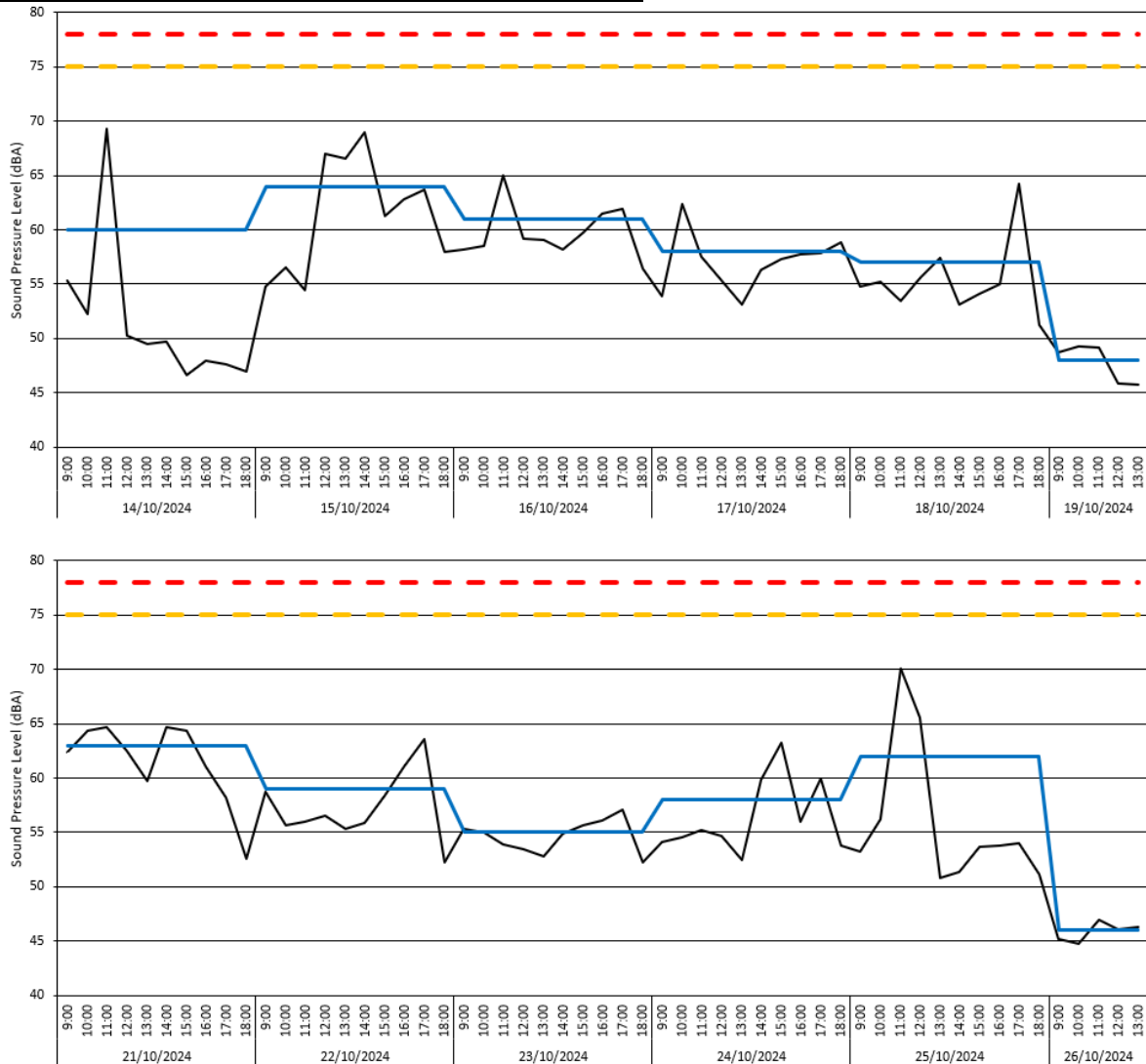


3.9 There was 89% data coverage at Location 2 during construction hours for the monitoring period covered by this report. No exceedances of the project hourly noise action level of 78 dB LAeq, 1hr nor the daily project noise trigger level of 75 dB LAeq, T were recorded at this location during the monitoring period covered by this report. The monitor was removed from site by Cass Allen on Friday 25th October for its laboratory calibration, which is scheduled to take place every two years. The monitor will be returned to site once this process is complete.

Location 3 (meter ref. P5DLY-N3J7A) – Raw Data

# Broadband Results	Date	Time	LAeq(60min)	LAeq(1.0hr)	LAeq(5hr)
	[YYYY-MM-DD]	[hh:mm:ss]	[dB]	[dB]	[dB]
	2024-10-14	09:00:00	55.3	--	--
	2024-10-14	10:00:00	52.2	--	--
	2024-10-14	11:00:00	69.3	--	--
	2024-10-14	12:00:00	50.2	--	--
	2024-10-14	13:00:00	49.5	--	--
	2024-10-14	14:00:00	49.7	--	--
	2024-10-14	15:00:00	46.6	--	--
	2024-10-14	16:00:00	47.9	--	--
	2024-10-14	17:00:00	47.6	--	--
	2024-10-14	18:00:00	46.9	59.8	--
	2024-10-15	09:00:00	54.8	--	--
	2024-10-15	10:00:00	56.5	--	--
	2024-10-15	11:00:00	54.4	--	--
	2024-10-15	12:00:00	67.0	--	--
	2024-10-15	13:00:00	66.6	--	--
	2024-10-15	14:00:00	69.0	--	--
	2024-10-15	15:00:00	61.3	--	--
	2024-10-15	16:00:00	62.8	--	--
	2024-10-15	17:00:00	63.7	--	--
	2024-10-15	18:00:00	58.0	63.9	--
	2024-10-16	09:00:00	58.2	--	--
	2024-10-16	10:00:00	58.5	--	--
	2024-10-16	11:00:00	65.0	--	--
	2024-10-16	12:00:00	59.2	--	--
	2024-10-16	13:00:00	59.1	--	--
	2024-10-16	14:00:00	58.2	--	--
	2024-10-16	15:00:00	59.7	--	--
	2024-10-16	16:00:00	61.5	--	--
	2024-10-16	17:00:00	61.9	--	--
	2024-10-16	18:00:00	56.4	60.5	--
	2024-10-17	09:00:00	53.9	--	--
	2024-10-17	10:00:00	62.4	--	--
	2024-10-17	11:00:00	57.5	--	--
	2024-10-17	12:00:00	55.3	--	--
	2024-10-17	13:00:00	53.1	--	--
	2024-10-17	14:00:00	56.3	--	--
	2024-10-17	15:00:00	57.3	--	--
	2024-10-17	16:00:00	57.7	--	--
	2024-10-17	17:00:00	57.8	--	--
	2024-10-17	18:00:00	58.8	57.8	--
	2024-10-18	09:00:00	54.8	--	--
	2024-10-18	10:00:00	55.2	--	--
	2024-10-18	11:00:00	53.5	--	--
	2024-10-18	12:00:00	55.5	--	--
	2024-10-18	13:00:00	57.4	--	--
	2024-10-18	14:00:00	53.1	--	--
	2024-10-18	15:00:00	54.1	--	--
	2024-10-18	16:00:00	55.0	--	--
	2024-10-18	17:00:00	64.2	--	--
	2024-10-18	18:00:00	51.2	57.2	--
	2024-10-19	09:00:00	48.7	--	--
	2024-10-19	10:00:00	49.3	--	--
	2024-10-19	11:00:00	49.2	--	--
	2024-10-19	12:00:00	45.8	--	48.0
	2024-10-19	13:00:00	45.7	--	--
	2024-10-20	18:00:00	--	52.5	--
	2024-10-21	09:00:00	62.4	--	--
	2024-10-21	10:00:00	64.4	--	--
	2024-10-21	11:00:00	64.7	--	--
	2024-10-21	12:00:00	62.5	--	--
	2024-10-21	13:00:00	59.7	--	--
	2024-10-21	14:00:00	64.7	--	--
	2024-10-21	15:00:00	64.3	--	--
	2024-10-21	16:00:00	61.0	--	--
	2024-10-21	17:00:00	58.2	--	--
	2024-10-21	18:00:00	52.6	62.5	--
	2024-10-22	09:00:00	58.7	--	--
	2024-10-22	10:00:00	55.6	--	--
	2024-10-22	11:00:00	56.0	--	--
	2024-10-22	12:00:00	56.5	--	--
	2024-10-22	13:00:00	55.3	--	--
	2024-10-22	14:00:00	55.9	--	--
	2024-10-22	15:00:00	58.4	--	--
	2024-10-22	16:00:00	61.1	--	--
	2024-10-22	17:00:00	63.6	--	--
	2024-10-22	18:00:00	52.2	58.5	--
	2024-10-23	09:00:00	55.3	--	--
	2024-10-23	10:00:00	55.0	--	--
	2024-10-23	11:00:00	53.9	--	--
	2024-10-23	12:00:00	53.5	--	--
	2024-10-23	13:00:00	52.8	--	--
	2024-10-23	14:00:00	54.9	--	--
	2024-10-23	15:00:00	55.7	--	--
	2024-10-23	16:00:00	56.1	--	--
	2024-10-23	17:00:00	57.1	--	--
	2024-10-23	18:00:00	52.2	54.9	--
	2024-10-24	09:00:00	54.1	--	--
	2024-10-24	10:00:00	54.6	--	--
	2024-10-24	11:00:00	55.2	--	--
	2024-10-24	12:00:00	54.7	--	--
	2024-10-24	13:00:00	52.5	--	--
	2024-10-24	14:00:00	59.8	--	--
	2024-10-24	15:00:00	63.3	--	--
	2024-10-24	16:00:00	56.0	--	--
	2024-10-24	17:00:00	59.9	--	--
	2024-10-24	18:00:00	53.8	57.8	--
	2024-10-25	09:00:00	53.2	--	--
	2024-10-25	10:00:00	56.2	--	--
	2024-10-25	11:00:00	70.1	--	--
	2024-10-25	12:00:00	65.6	--	--
	2024-10-25	13:00:00	50.8	--	--
	2024-10-25	14:00:00	51.4	--	--
	2024-10-25	15:00:00	53.7	--	--
	2024-10-25	16:00:00	53.8	--	--
	2024-10-25	17:00:00	54.0	--	--
	2024-10-25	18:00:00	51.1	61.9	--
	2024-10-26	09:00:00	45.2	--	--
	2024-10-26	10:00:00	44.7	--	--
	2024-10-26	11:00:00	46.9	--	--
	2024-10-26	12:00:00	46.1	--	--
	2024-10-26	13:00:00	46.3	--	45.9

Location 3 (meter ref. P5DLY-N3J7A) – Time-history graph



- Daily noise trigger level (75 dB LAeq, 0800-1800 hours, LAeq, 0800-1300 hours)
- Hourly noise action level (78 dB LAeq, 1 hour)
- Noise level, LAeq, 1 hour
- Daily noise level (dB LAeq, 0800-1800 hours, LAeq, 0800-1300 hours)
- Data unavailable

3.10 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.

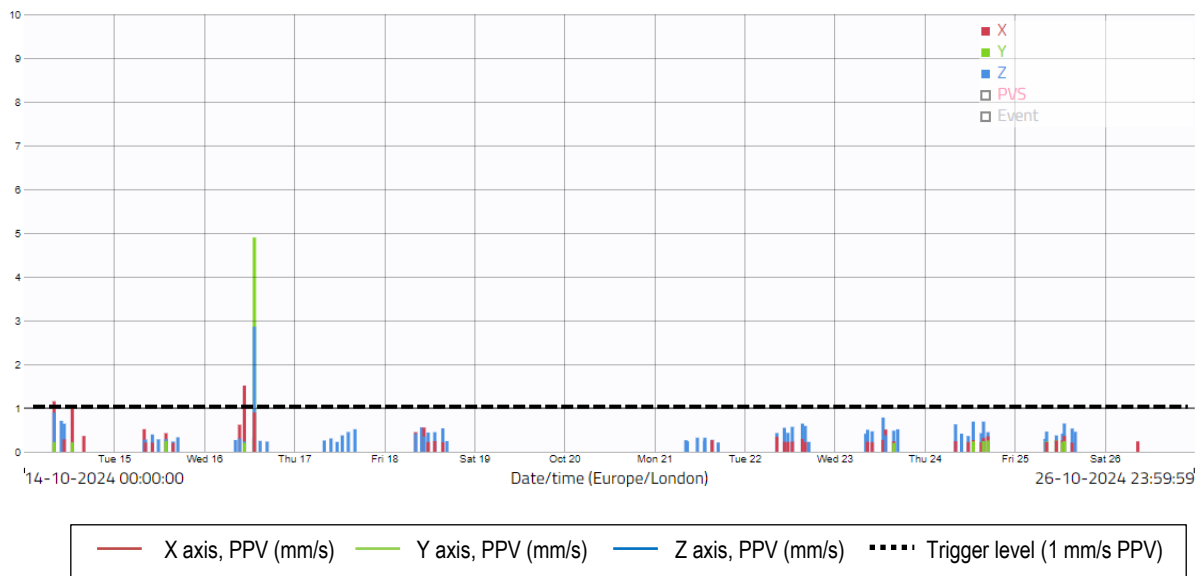
3.11 No exceedances of the daily project noise limit of 75 dB LAeq,T were recorded at this location during the monitoring period covered by this report. No exceedances of the project hourly noise criteria of 78 dB LAeq,1hr were recorded at this location during the monitoring period.

Vibration Monitoring Results

Location 1 (meter ref. PIJVI) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	14/10/2024 to 26/10/2024	1	4.90	16/10/2024	13:24
		2	1.51	16/10/2024	10:45
Criteria mm/s PPV Exceedances		3	1.15	14/10/2024	08:02
1.0	4	4	1.05	14/10/2024	12:53
		5	0.90	14/10/2024	08:41
		6	0.89	14/10/2024	08:29
		7	0.88	14/10/2024	08:37
		8	0.84	14/10/2024	08:06
		9	0.78	23/10/2024	12:57
		10	0.75	14/10/2024	08:31

Location 1 (meter ref. PIJVI) – Time-history graph



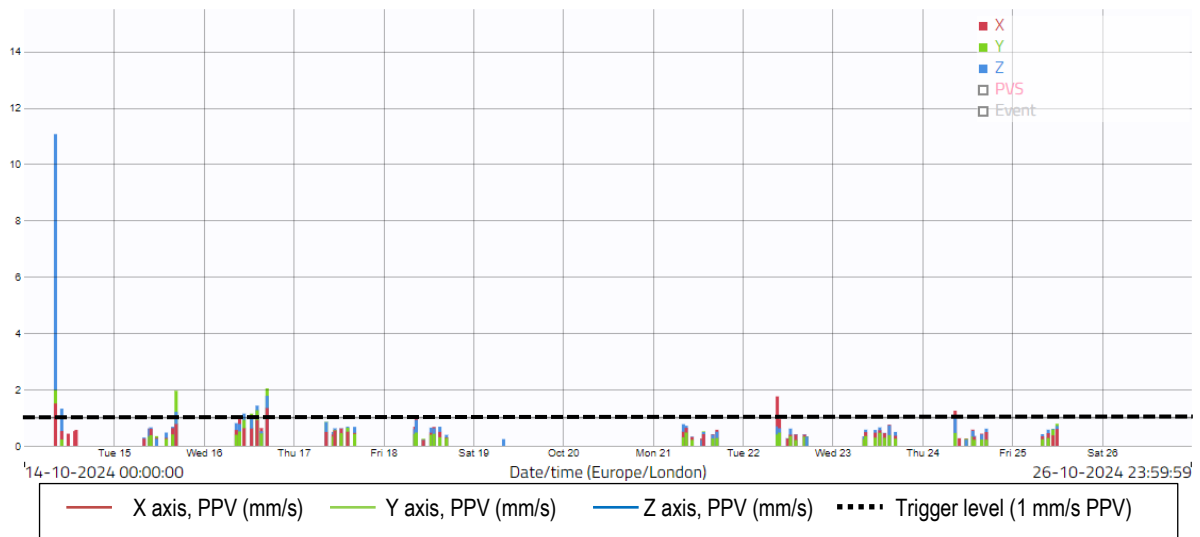
3.12 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. There were four exceedances of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Wednesday 16th October at 13:24, with a recorded level of 4.9 mm/s PPV. This was likely caused by the Block C decking work. This will continue to be monitored.

3.13 In this location, it is likely that the residents opening and closing the main door to the residential building will cause occasional vibration spikes, given that the monitor is located on the same facade as the doors.

Location 2 (meter ref. LEQUMO) – Raw data

Measuring point:	Period:	Order	Value	Date	Time	Order	Value	Date	Time	Order	Value	Date	Time
Holloway - L2	14/10/2024 to 26/10/2024	1	11.07	14/10/2024	08:23	31	0.81	16/10/2024	08:42	61	0.68	18/10/2024	15:05
		2	2.04	16/10/2024	16:56	32	0.78	18/10/2024	09:38	62	0.68	15/10/2024	15:43
Criteria mm/s PPV Exceedances		3	1.95	15/10/2024	16:37	33	0.78	25/10/2024	12:00	63	0.67	17/10/2024	15:34
1.0	15	4	1.75	22/10/2024	09:15	34	0.78	16/10/2024	09:26	64	0.67	18/10/2024	13:31
		5	1.43	16/10/2024	14:16	35	0.78	16/10/2024	10:08	65	0.66	16/10/2024	10:48
		6	1.32	14/10/2024	10:04	36	0.77	16/10/2024	09:36	66	0.66	22/10/2024	09:12
		7	1.25	24/10/2024	08:46	37	0.77	16/10/2024	14:19	67	0.66	16/10/2024	12:54
		8	1.15	16/10/2024	10:46	38	0.77	16/10/2024	09:28	68	0.66	15/10/2024	09:54
		9	1.14	16/10/2024	12:46	39	0.77	18/10/2024	09:57	69	0.65	16/10/2024	10:56
		10	1.10	14/10/2024	10:03	40	0.77	24/10/2024	08:45	70	0.65	23/10/2024	12:38
		11	1.07	16/10/2024	14:28	41	0.77	21/10/2024	08:10	71	0.65	23/10/2024	15:48
		12	1.03	16/10/2024	16:49	42	0.76	16/10/2024	09:41	72	0.65	16/10/2024	09:39
		13	1.02	24/10/2024	08:44	43	0.75	23/10/2024	16:08	73	0.65	15/10/2024	16:00
		14	1.00	18/10/2024	08:47	44	0.74	16/10/2024	16:54	74	0.65	24/10/2024	08:33
		15	1.00	16/10/2024	14:29	45	0.74	14/10/2024	08:16	75	0.65	16/10/2024	13:28
		16	0.97	16/10/2024	09:35	46	0.73	16/10/2024	13:26	76	0.65	18/10/2024	12:45
		17	0.96	22/10/2024	09:49	47	0.73	16/10/2024	13:01	77	0.64	16/10/2024	13:04
		18	0.95	16/10/2024	09:27	48	0.73	23/10/2024	15:10	78	0.64	22/10/2024	08:43
		19	0.93	24/10/2024	08:34	49	0.72	16/10/2024	13:27	79	0.64	16/10/2024	09:56
		20	0.92	18/10/2024	09:37	50	0.72	23/10/2024	15:11	80	0.64	18/10/2024	09:18
		21	0.90	16/10/2024	14:53	51	0.71	21/10/2024	08:55	81	0.64	22/10/2024	09:21
		22	0.90	14/10/2024	08:18	52	0.70	25/10/2024	11:34	82	0.64	17/10/2024	16:19
		23	0.90	16/10/2024	09:38	53	0.70	16/10/2024	12:51	83	0.63	16/10/2024	16:45
		24	0.87	16/10/2024	10:10	54	0.69	23/10/2024	16:06	84	0.63	16/10/2024	16:55
		25	0.87	16/10/2024	10:29	55	0.69	16/10/2024	08:24	85	0.63	16/10/2024	15:24
		26	0.86	16/10/2024	09:37	56	0.69	16/10/2024	13:47	86	0.63	18/10/2024	09:56
		27	0.85	17/10/2024	08:43	57	0.69	22/10/2024	09:55	87	0.63	18/10/2024	13:07
		28	0.84	24/10/2024	08:32	58	0.68	16/10/2024	09:55	88	0.63	16/10/2024	10:59
		29	0.83	14/10/2024	08:28	59	0.68	17/10/2024	14:27	89	0.63	21/10/2024	08:35
		30	0.81	14/10/2024	08:17	60	0.68	18/10/2024	08:25	90	0.63	16/10/2024	08:18

Location 2 (meter ref. LEQUMO) – Time-history graph



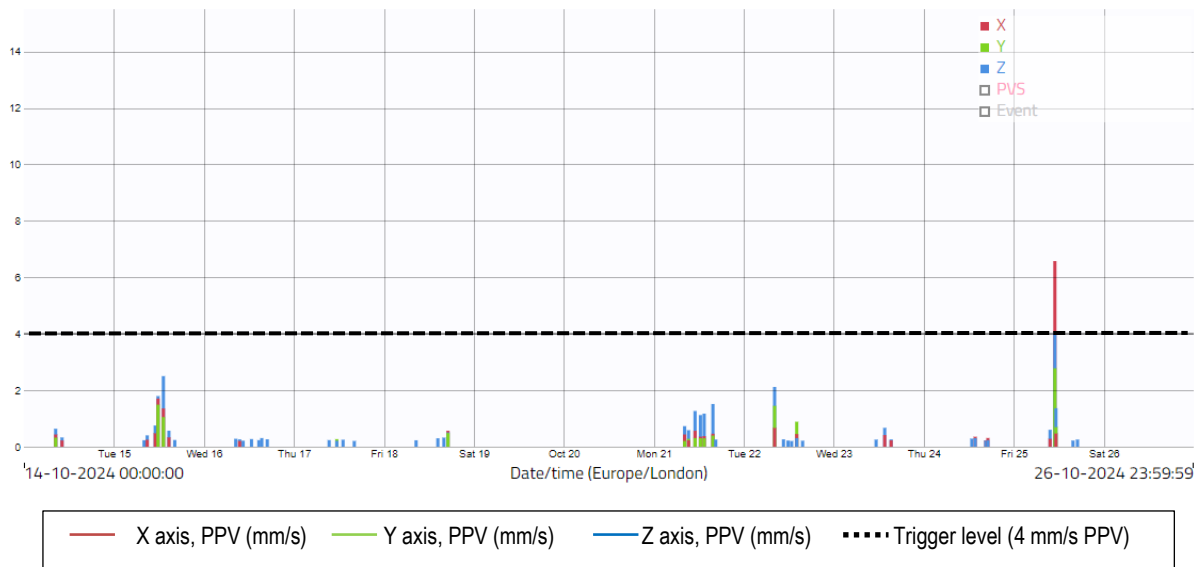
3.14 There was 89% data coverage at Location 2 during construction hours for the monitoring period covered by this report. The monitor was removed from site by Cass Allen on Friday 25th October for its laboratory calibration, which is scheduled to take place every two years. The monitor will be returned to site once this process is complete.

- 3.15 There were 15 exceedances of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Monday 14th October at 08:23, with a recorded level of 11.1 mm/s PPV. Given that no other similar vibration levels were recorded at the same time, it is likely that this level not caused by continuous construction activity taking place at the monitoring location. This will continue to be monitored.
- 3.16 Based on the activity taking place in the vicinity of the monitor during this monitoring period, it is likely that the remaining alerts may have been caused by the drainage installation within the vicinity of Block E. Additionally, movement of site vehicles within the vicinity of this monitor may have also contributed to the number of exceedances. It is understood that no complaints have been received in relation to vibration at this location – this will continue to be monitored.
- 3.17 In addition, it is our understanding that one of the residents behind the monitoring location has some form of workshop with power tools at the rear of their garden. Any operation of these tools could also generate vibration alerts.
- 3.18 The monitor at this location has been removed for calibration and will be replaced following calibration during our next site visit

Location 3 (meter ref. RIYORU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	14/10/2024 to 26/10/2024	1	6.58	25/10/2024	10:58
		2	4.90	25/10/2024	10:55
Criteria mm/s PPV Exceedances		3	2.50	15/10/2024	13:12
4.0	2	4	2.12	22/10/2024	08:13
		5	2.05	25/10/2024	10:47
		6	2.01	25/10/2024	10:52
		7	1.99	25/10/2024	10:48
		8	1.79	15/10/2024	11:46
		9	1.56	25/10/2024	10:45
		10	1.51	21/10/2024	15:46

Location 3 (meter ref. RIYORU) – Time-history graph

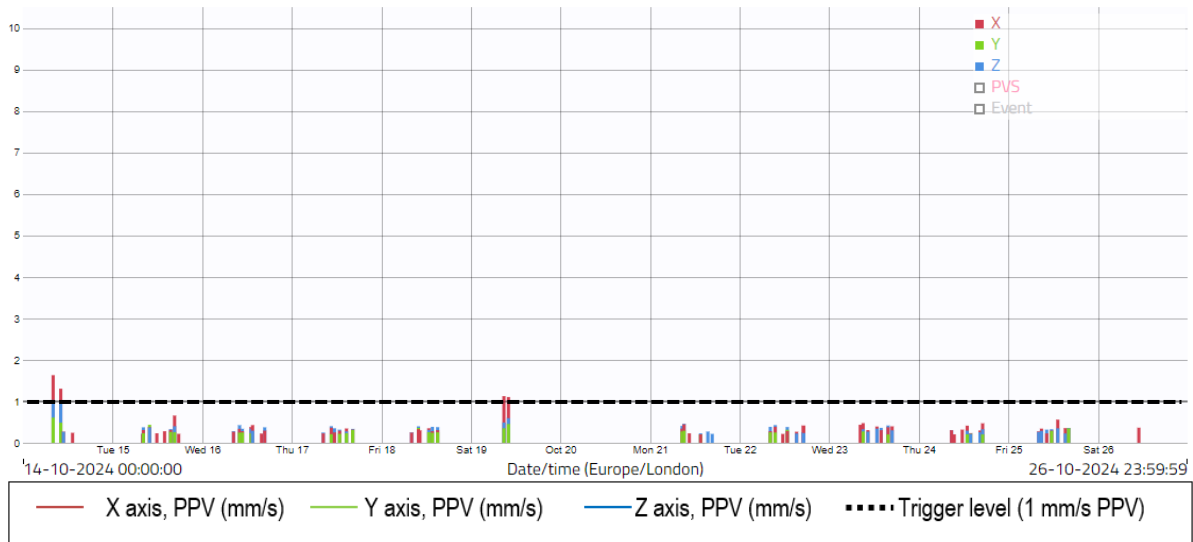


3.19 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were two exceedances of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above. The highest recorded vibration level occurred on Friday 25th October at 10:58, with a recorded level of 6.6 mm/s PPV. Given that the other vibration trigger level exceedance at this location was recorded three minutes earlier (at 10:55), it is likely that these readings were caused by a short-lived activity at the monitoring location; for example, a heavy site vehicle carrying out a manoeuvre within close proximity to the sensor. This will continue to be monitored. However, it is positive that both of these vibration trigger level exceedances occurred in a short space of time, with no other similar readings recorded in the monitoring period.

Location 4 (meter ref. TEJELU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	14/10/2024 to 26/10/2024	1	1.63	14/10/2024	08:05
		2	1.48	14/10/2024	08:38
Criteria mm/s PPV Exceedances		3	1.30	14/10/2024	10:07
1.0	12	4	1.28	14/10/2024	08:22
		5	1.21	14/10/2024	08:17
		6	1.14	14/10/2024	08:36
		7	1.13	14/10/2024	09:45
		8	1.12	19/10/2024	08:51
		9	1.10	19/10/2024	10:04
		10	1.10	14/10/2024	09:06
		11	1.10	14/10/2024	08:43
		12	1.08	14/10/2024	08:41
		13	0.96	14/10/2024	09:32
		14	0.95	14/10/2024	10:04
		15	0.90	14/10/2024	08:21
		16	0.81	14/10/2024	09:44
		17	0.81	14/10/2024	08:25
		18	0.72	14/10/2024	09:49
		19	0.69	14/10/2024	09:07
		20	0.66	14/10/2024	08:16
		21	0.66	15/10/2024	16:37
		22	0.62	14/10/2024	09:37
		23	0.62	15/10/2024	16:36
		24	0.61	14/10/2024	08:34
		25	0.61	14/10/2024	08:20
		26	0.59	14/10/2024	08:33
		27	0.59	14/10/2024	08:08
		28	0.59	14/10/2024	09:30
		29	0.57	14/10/2024	10:19
		30	0.57	19/10/2024	08:08

Location 4 (meter ref. TEJELU) – Time-history graph



3.20 There was 100% data coverage at Location 4 during construction hours for the monitoring period covered by this report. There were 12 exceedances of the project vibration trigger level of 1.0 mm/s PPV, which is shown in the raw data and graph above. The highest recorded level occurred on Monday 14th October at 08:05, with a recorded level of 1.6 mm/s PPV. It is noted that all vibration trigger level exceedances at this location occurred within two periods of time:

- 08:05-10:07 on Monday 14th October; and,
- On 08:51 & 10:04 on Saturday 19th October.

3.21 Due to the site activity taking within the vicinity of the monitor at this time, it is likely that the vibration trigger level exceedances at this location were caused by the drainage installation at Block E. This will continue to be monitored.