

Holloway Park, London

Construction Monitoring Report

Client: London Square
Ref: CM91-22405-R0
Date: 8 October 2024
Note by: Anthony Coraci, MSc DipIOA MIOA, Senior Acoustics Consultant

1. INTRODUCTION

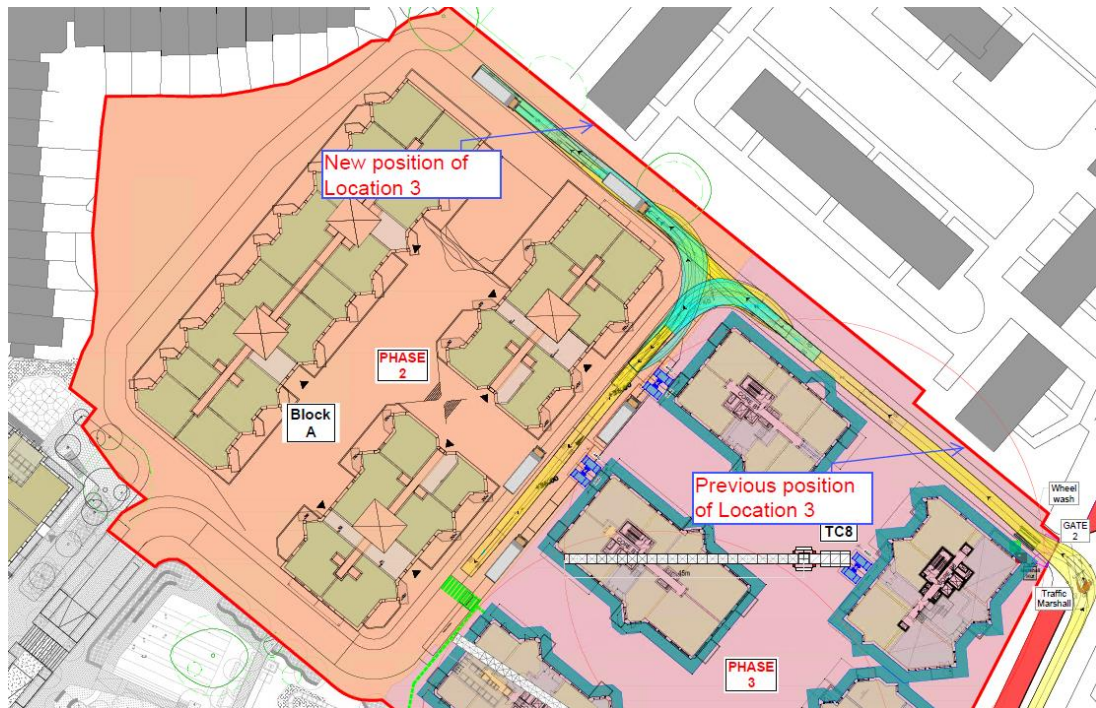
1.1 This Technical Note sets out results of the construction monitoring being carried out at the above site between Monday 16th & Saturday 28th September 2024. The monitoring is being carried out in general agreement with the methodology in the current Section 61 Consent between the London Borough of Islington and OHOB.

2. SITE ACTIVITIES

2.1 Cass Allen attended site on Thursday 26th September and carried out the following work:

- Routine maintenance at each monitor on site.
- To investigate the dust monitors at Locations 2 & 3, due to unusually low levels previously recorded (which were set out in the previous monitoring report (ref. CM90-22405-R0, dated) 24th September 2024. This is discussed further below in the report, in Paragraphs 3.5 & 3.7.
- To relocate the noise, vibration, and dust monitors installed at Location 3, as shown in the diagram overleaf. This was discussed and agreed with the site team, and the EPPP Team at Islington Borough Council.

Location 3 – New Position



2.2 An updated version of the Non-Technical Summary of the construction monitoring has been issued, to reflect the repositioning of Location 3 (TN01-22405-R6, dated 8th October 2024), as described above.

2.3 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

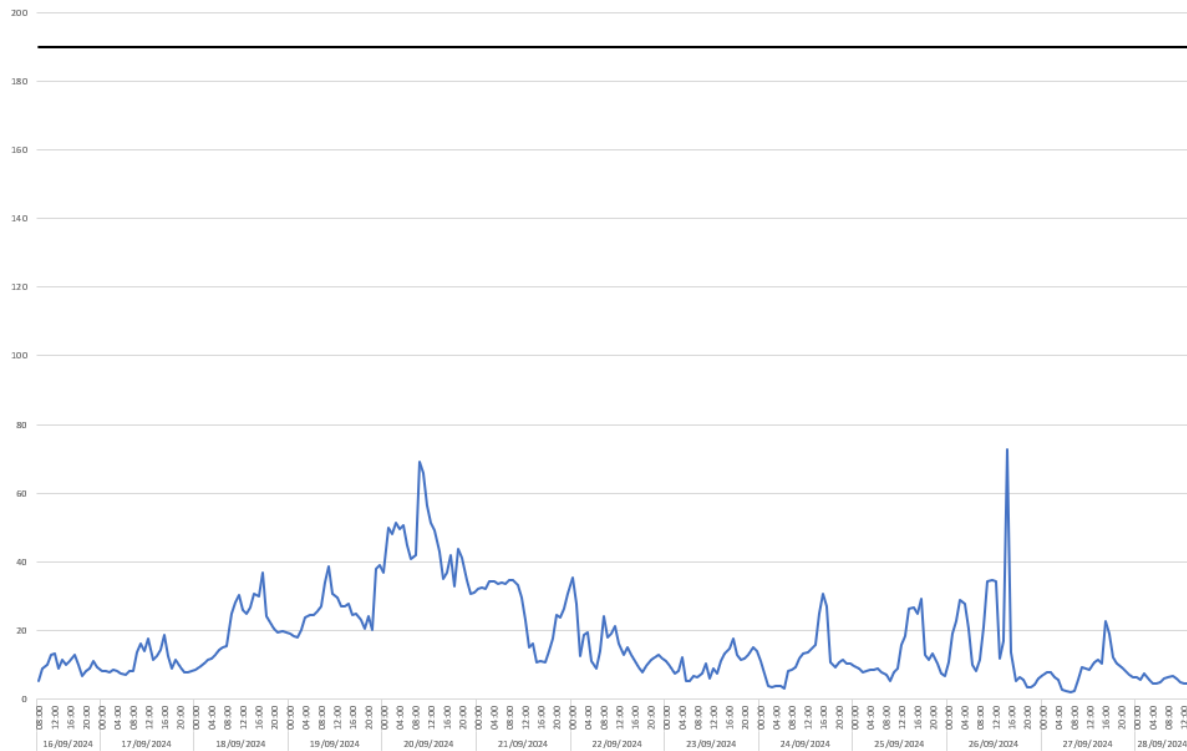
- Installation of drainage and road formation adjacent to Block D3 & E1.
- Excavation of pilecaps in Blocks C & D
- Mobile plant used around the site where required
- Work continuing on beams/ pilecaps on the lower ground level at Block D1
- Construction of upper ground floor slab at Blocks C1 & D2
- Installing vertical elements including retaining walls – Blocks C2, D2 & D3




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)

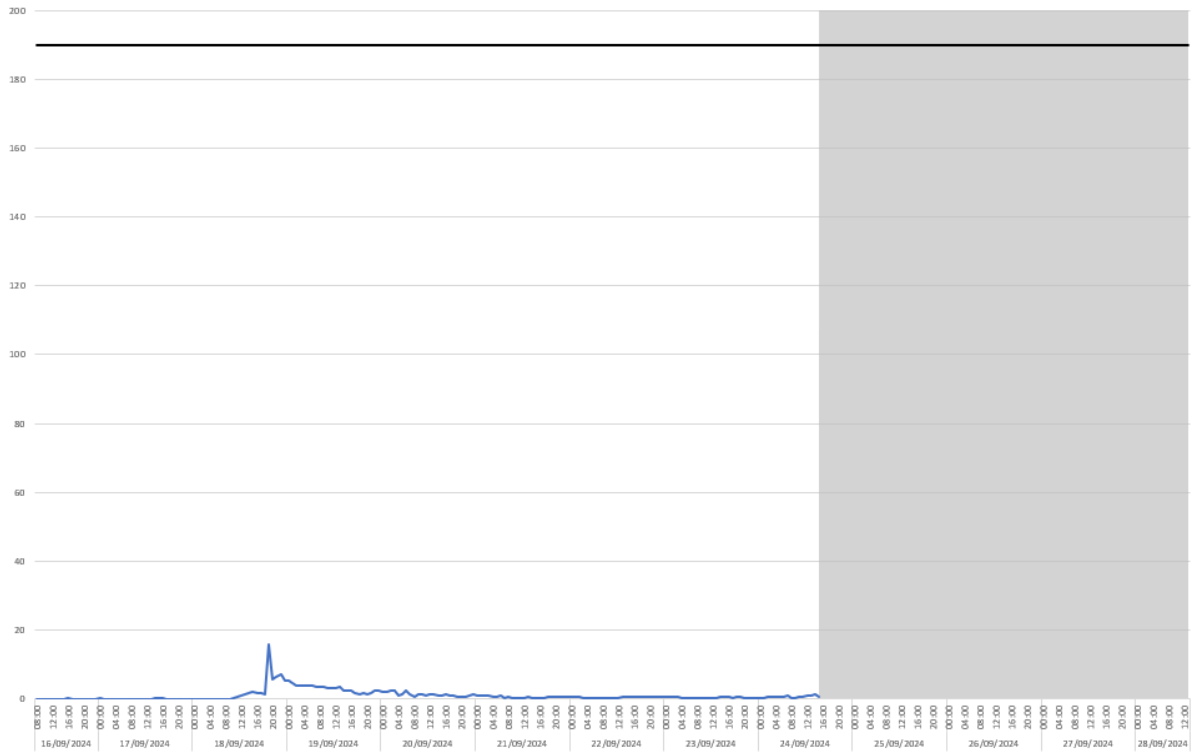


-  Dust trigger level, 190 $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
-  Dust level, $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
-  Data unavailable

3.2 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report.

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.

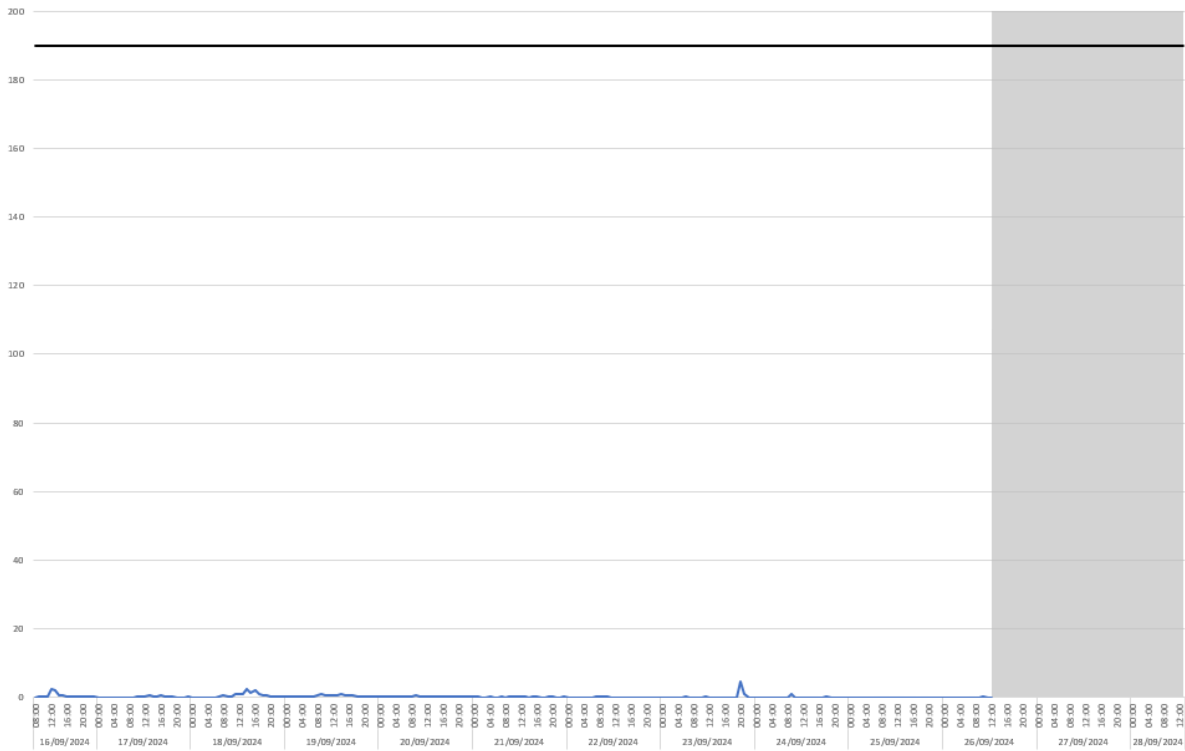
Location 2 (meter ref. TNO4778)



- 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

- 3.4 There was 66% data coverage at Location 2 during construction hours for the monitoring period covered by this report. The monitor was online for the monitoring period covered by this report until Tuesday 24th September.
- 3.5 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report. However, due to the unusually low levels recorded, it is suspected that there may be a potential fault with the instrument. Cass Allen attended site on Thursday 26th September. It was not possible to resolve this issue during the site visit, so the monitor was removed to be sent to the manufacturer for further investigation. An update will be provided as soon as possible.

Location 3 (meter ref. TNO4729)



- 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

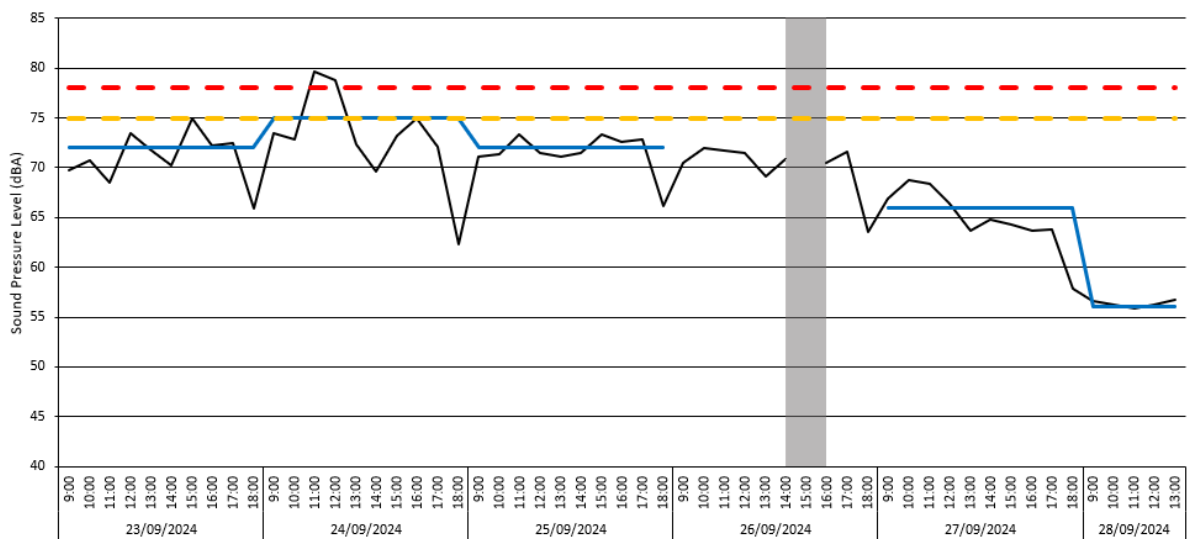
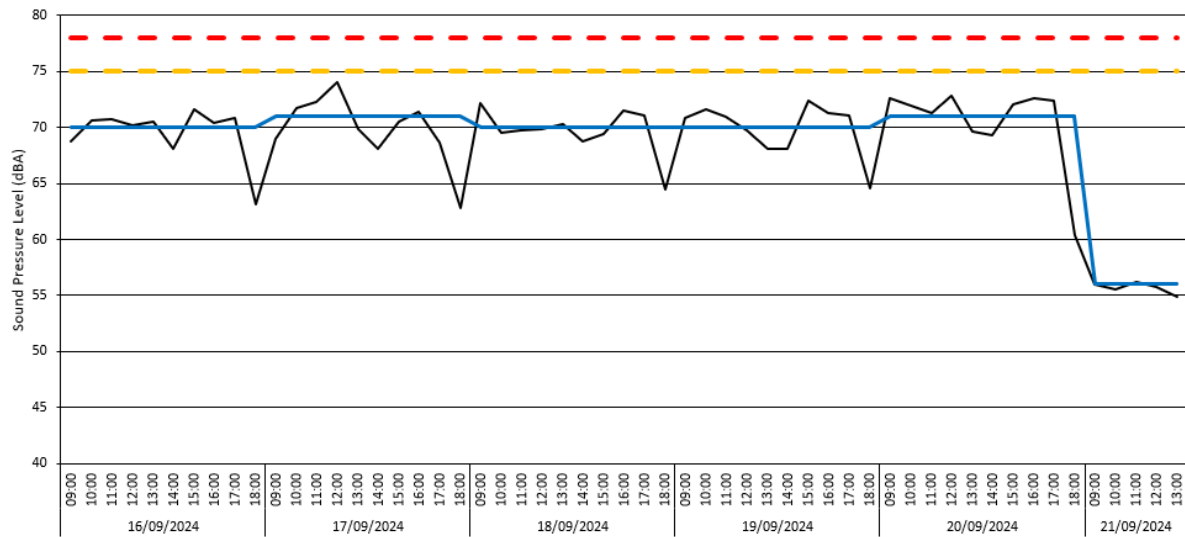
- 3.6 There was 81% data coverage at Location 3 during construction hours for the monitoring period covered by this report.
- 3.7 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report. However, due to the unusually low levels recorded, it is suspected that there may be a potential fault with the instrument. Cass Allen attended site on Thursday 26th September, to investigate this further. It was not possible to resolve this issue during the site visit, so the monitor was removed to be sent to the manufacturer for further investigation. During the visit, a temporary dust monitor (ref. TNO4475) was installed at Location 3, in its place. This monitor was offline from 12:00 on Thursday 26th September, as site power was still being set up at the new position of Location 3. This was resolved on Tuesday 1st October, when site power was made available.

Noise Monitoring Results

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

# Broadband Results					
Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(7hr) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-09-16	09:00:00	68.8	--	--	--
2024-09-16	10:00:00	70.6	--	--	--
2024-09-16	11:00:00	70.7	--	--	--
2024-09-16	12:00:00	70.2	--	--	--
2024-09-16	13:00:00	70.5	--	--	--
2024-09-16	14:00:00	68.1	--	--	--
2024-09-16	15:00:00	71.6	--	--	--
2024-09-16	16:00:00	70.4	--	--	--
2024-09-16	17:00:00	70.8	--	--	--
2024-09-16	18:00:00	63.1	--	69.9	--
2024-09-17	09:00:00	69.0	--	--	--
2024-09-17	10:00:00	71.7	--	--	--
2024-09-17	11:00:00	72.3	--	--	--
2024-09-17	12:00:00	74.1	--	--	--
2024-09-17	13:00:00	69.9	--	--	--
2024-09-17	14:00:00	68.1	--	--	--
2024-09-17	15:00:00	70.5	--	--	--
2024-09-17	16:00:00	71.4	--	--	--
2024-09-17	17:00:00	68.7	--	--	--
2024-09-17	18:00:00	62.8	--	70.6	--
2024-09-18	09:00:00	72.2	--	--	--
2024-09-18	10:00:00	69.5	--	--	--
2024-09-18	11:00:00	69.8	--	--	--
2024-09-18	12:00:00	69.9	--	--	--
2024-09-18	13:00:00	70.3	--	--	--
2024-09-18	14:00:00	68.8	--	--	--
2024-09-18	15:00:00	69.4	--	--	--
2024-09-18	16:00:00	71.5	--	--	--
2024-09-18	17:00:00	71.1	--	--	--
2024-09-18	18:00:00	64.5	--	70.1	--
2024-09-19	09:00:00	70.9	--	--	--
2024-09-19	10:00:00	71.6	--	--	--
2024-09-19	11:00:00	71.0	--	--	--
2024-09-19	12:00:00	69.7	--	--	--
2024-09-19	13:00:00	68.1	--	--	--
2024-09-19	14:00:00	68.1	--	--	--
2024-09-19	15:00:00	72.4	--	--	--
2024-09-19	16:00:00	71.3	--	--	--
2024-09-19	17:00:00	71.1	--	--	--
2024-09-19	18:00:00	64.6	--	70.3	--
2024-09-20	09:00:00	72.6	--	--	--
2024-09-20	10:00:00	71.9	--	--	--
2024-09-20	11:00:00	71.3	--	--	--
2024-09-20	12:00:00	72.8	--	--	--
2024-09-20	13:00:00	69.6	--	--	--
2024-09-20	14:00:00	69.3	--	--	--
2024-09-20	15:00:00	72.1	--	--	--
2024-09-20	16:00:00	72.6	--	--	--
2024-09-20	17:00:00	72.4	--	--	--
2024-09-20	18:00:00	60.4	--	71.4	--
2024-09-21	09:00:00	56.0	--	--	--
2024-09-21	10:00:00	55.5	--	--	--
2024-09-21	11:00:00	56.2	--	--	--
2024-09-21	12:00:00	55.8	--	--	--
2024-09-21	13:00:00	54.9	--	--	55.7
2024-09-21	18:00:00	--	--	56.6	--
2024-09-23	09:00:00	69.7	--	--	--
2024-09-23	10:00:00	70.8	--	--	--
2024-09-23	11:00:00	68.5	--	--	--
2024-09-23	12:00:00	73.5	--	--	--
2024-09-23	13:00:00	71.7	--	--	--
2024-09-23	14:00:00	70.2	--	--	--
2024-09-23	15:00:00	74.9	--	--	--
2024-09-23	16:00:00	72.2	--	--	--
2024-09-23	17:00:00	72.5	--	--	--
2024-09-23	18:00:00	65.9	--	71.6	--
2024-09-24	09:00:00	73.5	--	--	--
2024-09-24	10:00:00	72.9	--	--	--
2024-09-24	11:00:00	79.7	--	--	--
2024-09-24	12:00:00	78.8	--	--	--
2024-09-24	13:00:00	72.3	--	--	--
2024-09-24	14:00:00	69.6	--	--	--
2024-09-24	15:00:00	73.2	--	--	--
2024-09-24	16:00:00	75.0	--	--	--
2024-09-24	17:00:00	72.1	--	--	--
2024-09-24	18:00:00	62.3	--	74.9	--
2024-09-25	09:00:00	71.1	--	--	--
2024-09-25	10:00:00	71.4	--	--	--
2024-09-25	11:00:00	73.3	--	--	--
2024-09-25	12:00:00	71.5	--	--	--
2024-09-25	13:00:00	71.1	--	--	--
2024-09-25	14:00:00	71.5	--	--	--
2024-09-25	15:00:00	73.4	--	--	--
2024-09-25	16:00:00	72.6	--	--	--
2024-09-25	17:00:00	72.9	--	--	--
2024-09-25	18:00:00	66.2	--	71.9	--
2024-09-26	09:00:00	70.5	--	--	--
2024-09-26	10:00:00	72.0	--	--	--
2024-09-26	11:00:00	71.7	--	--	--
2024-09-26	12:00:00	71.5	--	--	--
2024-09-26	13:00:00	69.1	--	--	--
2024-09-26	14:00:00	70.9	--	--	--
2024-09-26	16:00:00	70.5	--	--	--
2024-09-26	17:00:00	71.6	--	--	--
2024-09-26	18:00:00	63.5	--	--	--
2024-09-27	09:00:00	66.9	--	--	--
2024-09-27	10:00:00	68.8	--	--	--
2024-09-27	11:00:00	68.4	--	--	--
2024-09-27	12:00:00	66.4	--	--	--
2024-09-27	13:00:00	63.7	--	--	--
2024-09-27	14:00:00	64.8	--	--	--
2024-09-27	15:00:00	64.3	--	--	--
2024-09-27	16:00:00	63.7	--	--	--
2024-09-27	17:00:00	63.8	--	--	--
2024-09-27	18:00:00	57.8	--	65.7	--
2024-09-28	09:00:00	56.6	--	--	--
2024-09-28	10:00:00	56.2	--	--	--
2024-09-28	11:00:00	55.9	--	--	--
2024-09-28	12:00:00	56.2	--	--	--
2024-09-28	13:00:00	56.7	--	--	56.3

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 (dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- Data unavailable

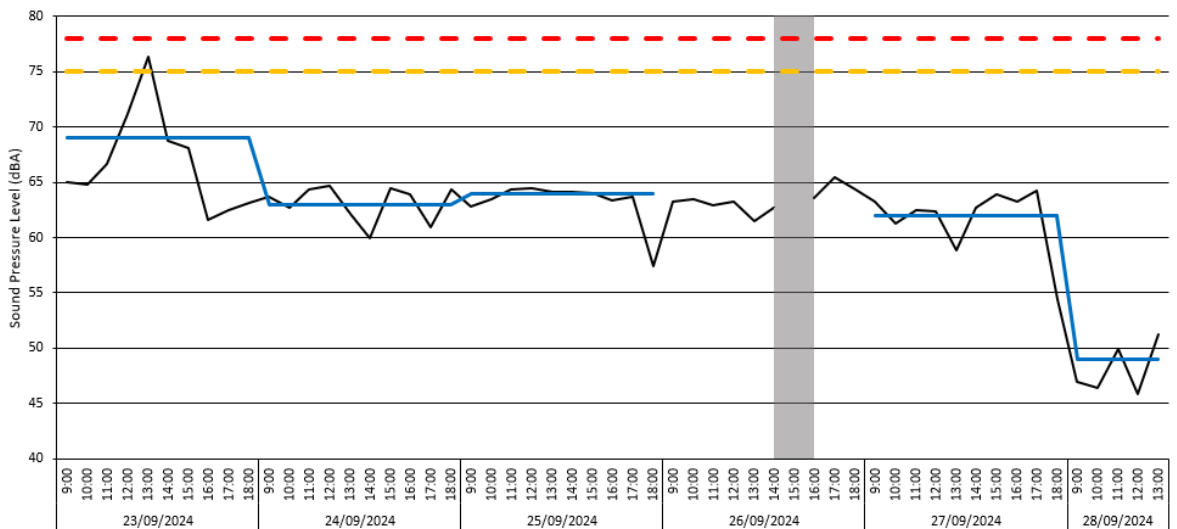
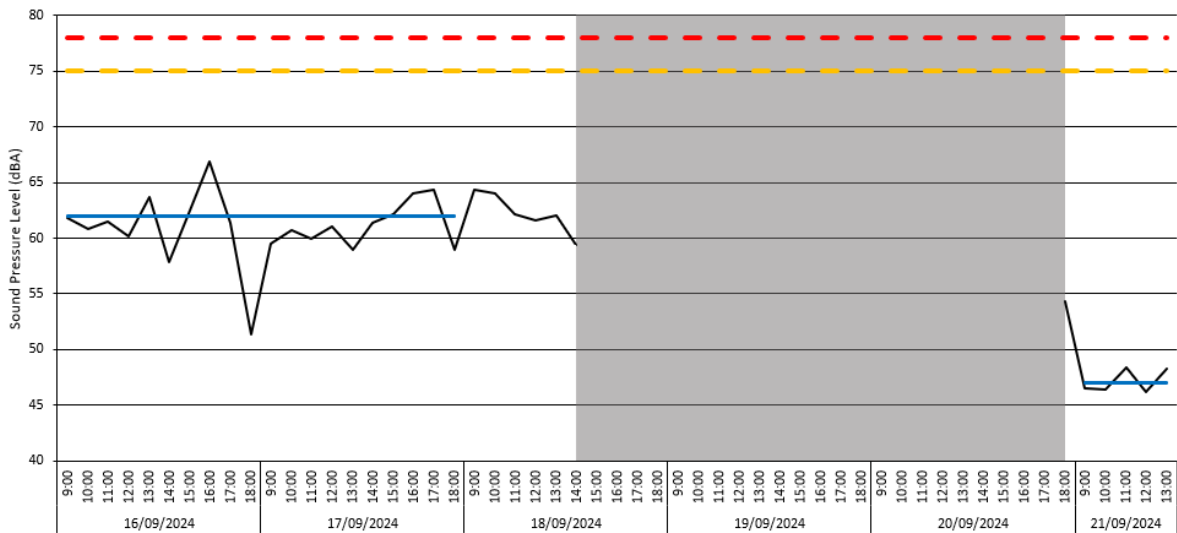
3.8 There was 97% data coverage at Location 1 during construction hours for the monitoring period covered by this report – the monitor was offline between 14:00 & 16:00 on Thursday 26th September. Two exceedances of the project hourly noise criteria of 78 dB LAeq were recorded during the monitoring period covered by this report. These were recorded between 10:00 & 12:00 on Tuesday 24th September, with measured noise levels of 79.7 & 78.8 dB LAeq,1hr. Site management confirmed that the nearby crane was being used during the time of these exceedances.

- 3.9 No exceedances or equalling of the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report, although, on Tuesday 24th September the daily noise level recorded was 74.9 dB LAeq,10hr. This is likely to have been caused by site activity taking place at Blocks C & D, including the pile cap excavation. This will continue to be monitored.

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

Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-09-16	09:00:00	61.8	--	--
2024-09-16	10:00:00	60.8	--	--
2024-09-16	11:00:00	61.5	--	--
2024-09-16	12:00:00	60.2	--	--
2024-09-16	13:00:00	63.7	--	--
2024-09-16	14:00:00	57.9	--	--
2024-09-16	15:00:00	62.5	--	--
2024-09-16	16:00:00	66.9	--	--
2024-09-16	17:00:00	61.4	--	--
2024-09-16	18:00:00	51.3	62.1	--
2024-09-17	09:00:00	59.5	--	--
2024-09-17	10:00:00	60.7	--	--
2024-09-17	11:00:00	60.0	--	--
2024-09-17	12:00:00	61.1	--	--
2024-09-17	13:00:00	59.0	--	--
2024-09-17	14:00:00	61.4	--	--
2024-09-17	15:00:00	62.1	--	--
2024-09-17	16:00:00	64.0	--	--
2024-09-17	17:00:00	64.4	--	--
2024-09-17	18:00:00	59.0	61.5	--
2024-09-18	09:00:00	64.4	--	--
2024-09-18	10:00:00	64.0	--	--
2024-09-18	11:00:00	62.2	--	--
2024-09-18	12:00:00	61.6	--	--
2024-09-18	13:00:00	62.0	--	--
2024-09-18	14:00:00	59.4	--	--
2024-09-20	18:00:00	54.3	--	--
2024-09-21	09:00:00	46.5	--	--
2024-09-21	10:00:00	46.4	--	--
2024-09-21	11:00:00	48.4	--	--
2024-09-21	12:00:00	46.2	--	--
2024-09-21	13:00:00	48.3	--	47.3
2024-09-22	18:00:00	--	47.9	--
2024-09-23	09:00:00	65.0	--	--
2024-09-23	10:00:00	64.8	--	--
2024-09-23	11:00:00	66.7	--	--
2024-09-23	12:00:00	71.2	--	--
2024-09-23	13:00:00	76.4	--	--
2024-09-23	14:00:00	68.8	--	--
2024-09-23	15:00:00	68.1	--	--
2024-09-23	16:00:00	61.6	--	--
2024-09-23	17:00:00	62.5	--	--
2024-09-23	18:00:00	63.1	69.4	--
2024-09-24	09:00:00	63.7	--	--
2024-09-24	10:00:00	62.7	--	--
2024-09-24	11:00:00	64.4	--	--
2024-09-24	12:00:00	64.7	--	--
2024-09-24	13:00:00	62.2	--	--
2024-09-24	14:00:00	59.9	--	--
2024-09-24	15:00:00	64.5	--	--
2024-09-24	16:00:00	63.9	--	--
2024-09-24	17:00:00	60.9	--	--
2024-09-24	18:00:00	64.4	63.4	--
2024-09-25	09:00:00	62.8	--	--
2024-09-25	10:00:00	63.5	--	--
2024-09-25	11:00:00	64.3	--	--
2024-09-25	12:00:00	64.5	--	--
2024-09-25	13:00:00	64.1	--	--
2024-09-25	14:00:00	64.1	--	--
2024-09-25	15:00:00	64.0	--	--
2024-09-25	16:00:00	63.4	--	--
2024-09-25	17:00:00	63.7	--	--
2024-09-25	18:00:00	57.4	63.5	--
2024-09-26	09:00:00	63.2	--	--
2024-09-26	10:00:00	63.5	--	--
2024-09-26	11:00:00	62.9	--	--
2024-09-26	12:00:00	63.3	--	--
2024-09-26	13:00:00	61.5	--	--
2024-09-26	14:00:00	62.7	--	--
2024-09-26	16:00:00	63.6	--	--
2024-09-26	17:00:00	65.4	--	--
2024-09-26	18:00:00	64.4	--	--
2024-09-27	09:00:00	63.3	--	--
2024-09-27	10:00:00	61.3	--	--
2024-09-27	11:00:00	62.5	--	--
2024-09-27	12:00:00	62.4	--	--
2024-09-27	13:00:00	58.8	--	--
2024-09-27	14:00:00	62.7	--	--
2024-09-27	15:00:00	63.9	--	--
2024-09-27	16:00:00	63.2	--	--
2024-09-27	17:00:00	64.2	--	--
2024-09-27	18:00:00	54.4	62.3	--
2024-09-28	09:00:00	46.9	--	--
2024-09-28	10:00:00	46.4	--	--
2024-09-28	11:00:00	49.9	--	--
2024-09-28	12:00:00	45.8	--	--
2024-09-28	13:00:00	51.2	--	48.6

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



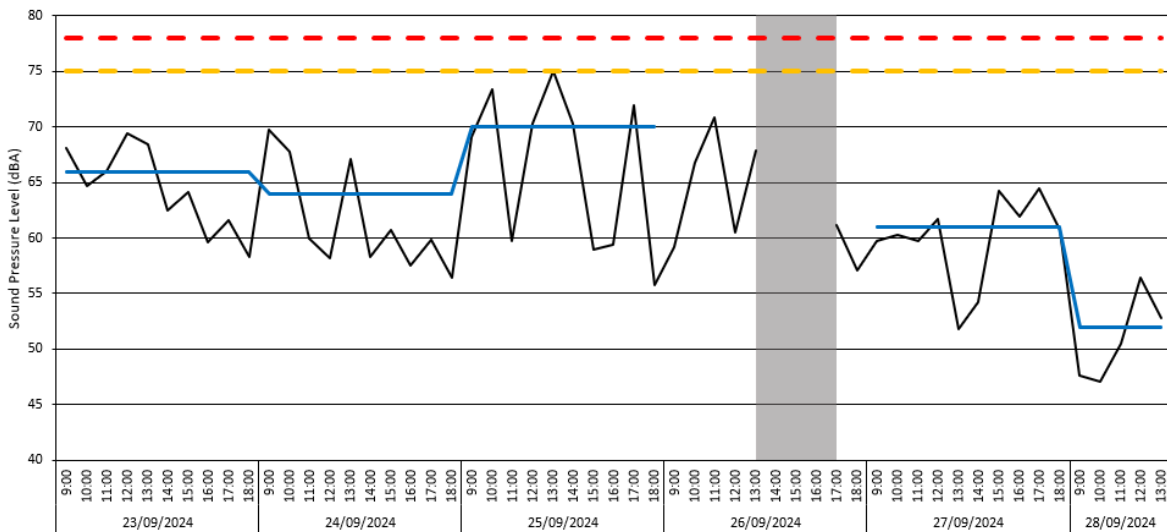
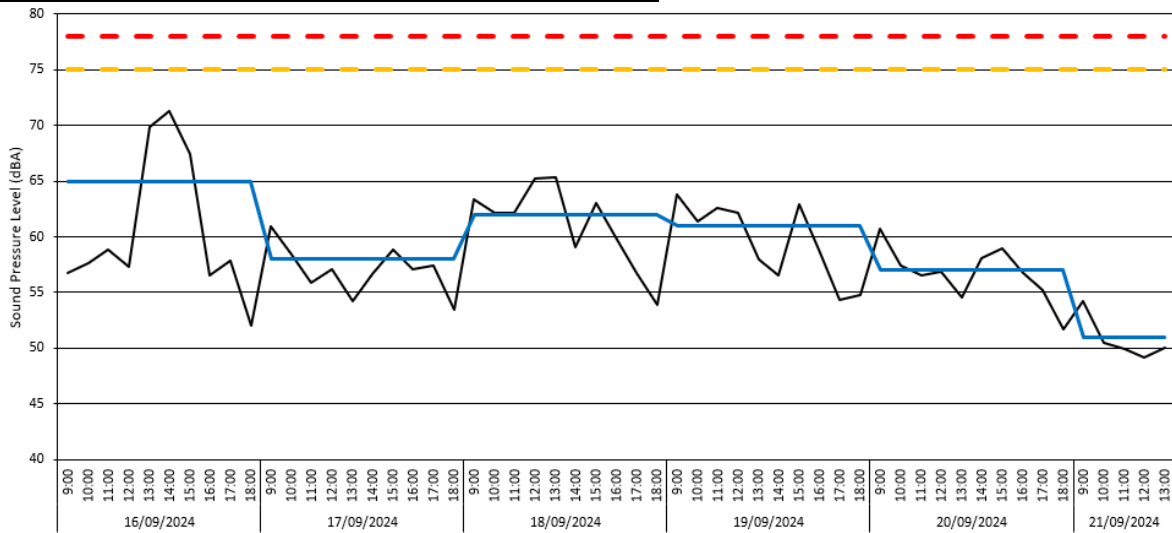
- Daily noise trigger level (75 dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- - - Hourly noise action level (78 dB LAeq, 1 hour)
- Noise level, LAeq, 1hour
- Daily noise level (dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- Data unavailable

3.10 There was 75% data coverage at Location 2 during construction hours for the monitoring period covered by this report. The monitor was offline between 14:00 on Wednesday 18th & 18:00 on Friday 20th September, and between 14:00 & 16:00 on Thursday 26th September, due to temporary power outages. No exceedances of the project hourly noise criteria of 78 dB LAeq nor the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report.

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

# Broadband Results	Time	LAeq(60min)	LAeq(10hr)	LAeq(5hr)
Date	[hh:mm:ss]	[dB]	[dB]	[dB]
2024-09-16	09:00:00	56.8	--	--
2024-09-16	10:00:00	57.6	--	--
2024-09-16	11:00:00	58.8	--	--
2024-09-16	12:00:00	57.3	--	--
2024-09-16	13:00:00	69.9	--	--
2024-09-16	14:00:00	71.3	--	--
2024-09-16	15:00:00	67.4	--	--
2024-09-16	16:00:00	56.5	--	--
2024-09-16	17:00:00	57.9	--	--
2024-09-16	18:00:00	52.0	65.1	--
2024-09-17	09:00:00	60.9	--	--
2024-09-17	10:00:00	58.4	--	--
2024-09-17	11:00:00	55.9	--	--
2024-09-17	12:00:00	57.1	--	--
2024-09-17	13:00:00	54.2	--	--
2024-09-17	14:00:00	56.6	--	--
2024-09-17	15:00:00	58.8	--	--
2024-09-17	16:00:00	57.1	--	--
2024-09-17	17:00:00	57.4	--	--
2024-09-17	18:00:00	53.4	57.5	--
2024-09-18	09:00:00	63.4	--	--
2024-09-18	10:00:00	62.2	--	--
2024-09-18	11:00:00	62.2	--	--
2024-09-18	12:00:00	65.2	--	--
2024-09-18	13:00:00	65.3	--	--
2024-09-18	14:00:00	59.1	--	--
2024-09-18	15:00:00	63.0	--	--
2024-09-18	16:00:00	60.0	--	--
2024-09-18	17:00:00	56.8	--	--
2024-09-18	18:00:00	53.9	62.2	--
2024-09-19	09:00:00	63.8	--	--
2024-09-19	10:00:00	61.4	--	--
2024-09-19	11:00:00	62.6	--	--
2024-09-19	12:00:00	62.1	--	--
2024-09-19	13:00:00	58.0	--	--
2024-09-19	14:00:00	56.5	--	--
2024-09-19	15:00:00	62.9	--	--
2024-09-19	16:00:00	58.8	--	--
2024-09-19	17:00:00	54.3	--	--
2024-09-19	18:00:00	54.8	60.6	--
2024-09-20	09:00:00	60.7	--	--
2024-09-20	10:00:00	57.4	--	--
2024-09-20	11:00:00	56.5	--	--
2024-09-20	12:00:00	56.9	--	--
2024-09-20	13:00:00	54.6	--	--
2024-09-20	14:00:00	58.1	--	--
2024-09-20	15:00:00	58.9	--	--
2024-09-20	16:00:00	56.7	--	--
2024-09-20	17:00:00	55.2	--	--
2024-09-20	18:00:00	51.7	57.3	--
2024-09-21	09:00:00	54.2	--	--
2024-09-21	10:00:00	50.5	--	--
2024-09-21	11:00:00	49.9	--	--
2024-09-21	12:00:00	49.1	--	--
2024-09-21	13:00:00	50.0	--	51.2
2024-09-22	18:00:00	--	50.9	--
2024-09-23	09:00:00	68.1	--	--
2024-09-23	10:00:00	64.7	--	--
2024-09-23	11:00:00	66.0	--	--
2024-09-23	12:00:00	69.4	--	--
2024-09-23	13:00:00	68.4	--	--
2024-09-23	14:00:00	62.5	--	--
2024-09-23	15:00:00	64.1	--	--
2024-09-23	16:00:00	59.6	--	--
2024-09-23	17:00:00	61.6	--	--
2024-09-23	18:00:00	58.3	65.6	--
2024-09-24	09:00:00	69.8	--	--
2024-09-24	10:00:00	67.8	--	--
2024-09-24	11:00:00	60.0	--	--
2024-09-24	12:00:00	58.2	--	--
2024-09-24	13:00:00	67.1	--	--
2024-09-24	14:00:00	58.3	--	--
2024-09-24	15:00:00	60.7	--	--
2024-09-24	16:00:00	57.5	--	--
2024-09-24	17:00:00	59.8	--	--
2024-09-24	18:00:00	56.4	64.2	--
2024-09-25	09:00:00	69.1	--	--
2024-09-25	10:00:00	73.4	--	--
2024-09-25	11:00:00	59.7	--	--
2024-09-25	12:00:00	70.3	--	--
2024-09-25	13:00:00	75.0	--	--
2024-09-25	14:00:00	70.3	--	--
2024-09-25	15:00:00	58.9	--	--
2024-09-25	16:00:00	59.4	--	--
2024-09-25	17:00:00	71.9	--	--
2024-09-25	18:00:00	55.8	70.0	--
2024-09-26	09:00:00	59.2	--	--
2024-09-26	10:00:00	66.8	--	--
2024-09-26	11:00:00	70.8	--	--
2024-09-26	12:00:00	60.5	--	--
2024-09-26	13:00:00	67.9	--	--
2024-09-26	17:00:00	61.2	--	--
2024-09-26	18:00:00	57.1	--	--
2024-09-27	09:00:00	59.7	--	--
2024-09-27	10:00:00	60.3	--	--
2024-09-27	11:00:00	59.7	--	--
2024-09-27	12:00:00	61.7	--	--
2024-09-27	13:00:00	51.8	--	--
2024-09-27	14:00:00	54.2	--	--
2024-09-27	15:00:00	64.2	--	--
2024-09-27	16:00:00	61.9	--	--
2024-09-27	17:00:00	64.5	--	--
2024-09-27	18:00:00	60.7	61.1	--
2024-09-28	09:00:00	47.6	--	--
2024-09-28	10:00:00	47.1	--	--
2024-09-28	11:00:00	50.5	--	--
2024-09-28	12:00:00	56.4	--	--
2024-09-28	13:00:00	52.8	--	52.3

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, 1hour
- Daily noise level (dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- Data unavailable

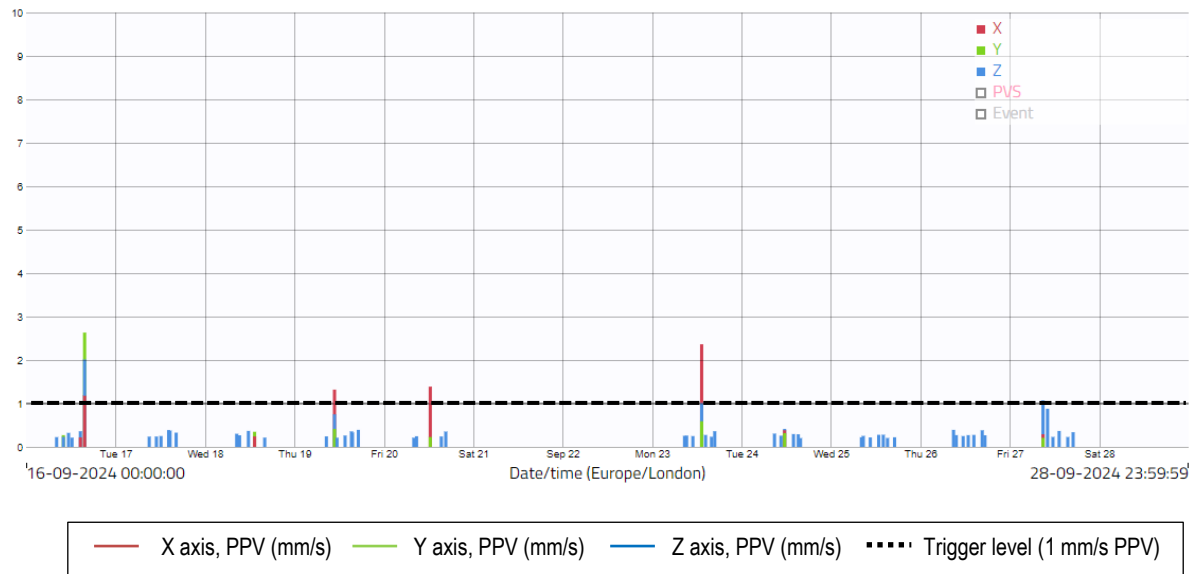
- 3.11 There was 96% data coverage at Location 3 during construction hours for the monitoring period covered by this report. The monitor was offline between 13:00 & 17:00 on Thursday 26th September, due to a temporary power outage.
- 3.12 No exceedances of the daily project noise limit of 75 dB LAeq (0800-1800 hours) 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 were recorded at this location during the monitoring period.

Vibration Monitoring Results

Location 1 (meter ref. PIJIVI) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	16/09/2024 to 28/09/2024	1	2.63	16/09/2024	14:56
		2	2.36	23/09/2024	12:14
Criteria mm/s PPV Exceedances		3	1.39	20/09/2024	11:51
1.0	6	4	1.32	19/09/2024	10:45
		5	1.07	27/09/2024	08:53
		6	1.01	23/09/2024	12:04
		7	0.88	27/09/2024	09:56
		8	0.83	27/09/2024	09:05
		9	0.77	27/09/2024	08:50
		10	0.75	19/09/2024	10:40

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



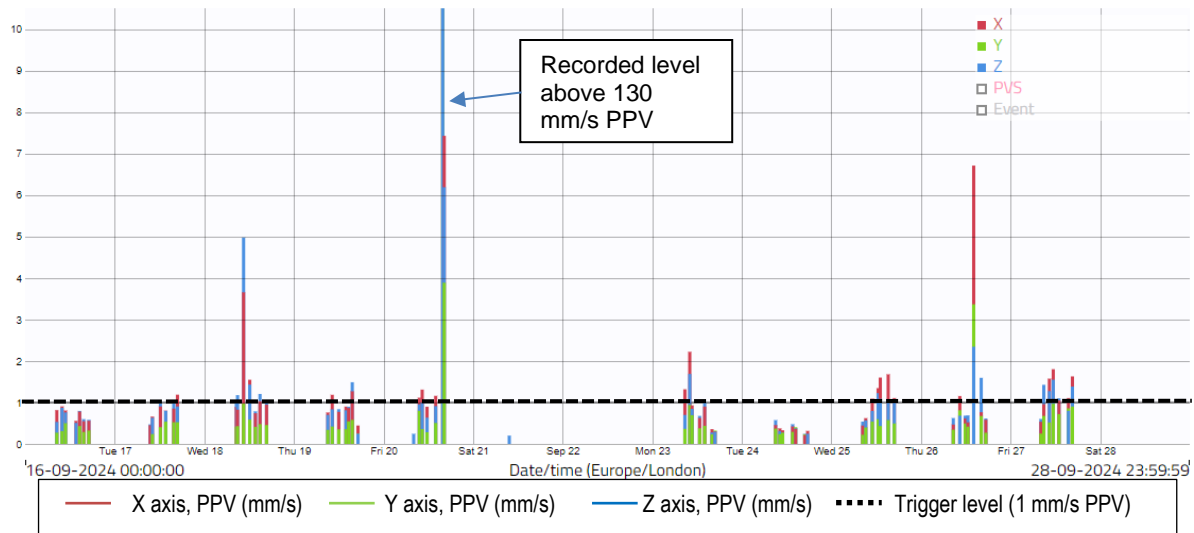
3.13 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. There were six exceedances of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Monday 16th September at 14:56, with a recorded level of 2.6 mm/s PPV. It is worth noting from the raw data above that the exceedances were caused by individual, short-lived events, rather than continuous activity at this location. This will continue to be monitored.

3.14 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	16/09/2024 to 28/09/2024	1	132.55	20/09/2024	15:51	31	2.93	20/09/2024	16:22	61	1.63	27/09/2024	16:33
		2	7.42	20/09/2024	16:20	32	2.71	20/09/2024	15:43	62	1.60	25/09/2024	13:05
Criteria mm/s PPV Exceedances		3	7.30	20/09/2024	16:15	33	2.69	20/09/2024	15:59	63	1.60	20/09/2024	16:23
1.0	143	4	6.98	20/09/2024	16:39	34	2.59	20/09/2024	15:58	64	1.59	26/09/2024	16:07
		5	6.71	26/09/2024	14:06	35	2.56	20/09/2024	16:36	65	1.59	20/09/2024	15:25
		6	6.58	20/09/2024	16:18	36	2.54	20/09/2024	16:17	66	1.57	27/09/2024	10:22
		7	6.35	20/09/2024	16:07	37	2.41	20/09/2024	15:48	67	1.56	20/09/2024	16:31
		8	6.22	20/09/2024	16:26	38	2.41	20/09/2024	16:05	68	1.55	18/09/2024	12:09
		9	6.00	20/09/2024	16:14	39	2.34	20/09/2024	16:06	69	1.55	20/09/2024	15:16
		10	5.39	20/09/2024	16:01	40	2.32	20/09/2024	16:40	70	1.54	20/09/2024	15:52
		11	5.25	26/09/2024	14:41	41	2.32	20/09/2024	15:10	71	1.50	20/09/2024	15:57
		12	5.24	20/09/2024	16:25	42	2.24	20/09/2024	15:33	72	1.49	25/09/2024	13:28
		13	4.97	18/09/2024	10:29	43	2.23	20/09/2024	16:33	73	1.49	19/09/2024	15:37
		14	4.67	20/09/2024	16:41	44	2.23	20/09/2024	16:10	74	1.46	20/09/2024	15:44
		15	4.35	20/09/2024	16:32	45	2.22	23/09/2024	10:03	75	1.45	20/09/2024	15:36
		16	4.30	20/09/2024	15:40	46	2.19	20/09/2024	16:28	76	1.43	20/09/2024	16:55
		17	4.25	20/09/2024	15:39	47	2.16	23/09/2024	10:02	77	1.42	27/09/2024	08:53
		18	4.22	20/09/2024	15:49	48	2.04	26/09/2024	13:59	78	1.38	27/09/2024	16:59
		19	4.18	20/09/2024	16:24	49	2.01	20/09/2024	16:29	79	1.36	20/09/2024	16:02
		20	4.11	20/09/2024	16:21	50	2.01	26/09/2024	13:54	80	1.35	23/09/2024	10:00
		21	3.87	20/09/2024	16:34	51	1.96	20/09/2024	16:08	81	1.35	20/09/2024	16:27
		22	3.83	20/09/2024	15:35	52	1.86	20/09/2024	15:41	82	1.34	25/09/2024	12:18
		23	3.71	20/09/2024	16:16	53	1.86	26/09/2024	14:32	83	1.34	25/09/2024	12:30
		24	3.55	20/09/2024	16:12	54	1.83	20/09/2024	16:37	84	1.34	25/09/2024	12:26
		25	3.29	20/09/2024	15:34	55	1.81	23/09/2024	09:56	85	1.33	20/09/2024	14:37
		26	3.22	20/09/2024	16:19	56	1.80	20/09/2024	15:56	86	1.32	23/09/2024	08:44
		27	3.20	20/09/2024	16:03	57	1.80	27/09/2024	11:25	87	1.31	20/09/2024	10:21
		28	3.12	20/09/2024	15:54	58	1.75	20/09/2024	15:46	88	1.31	26/09/2024	14:11
		29	3.10	20/09/2024	16:09	59	1.73	20/09/2024	16:38	89	1.30	27/09/2024	11:29
		30	3.06	20/09/2024	16:00	60	1.68	25/09/2024	15:12	90	1.29	20/09/2024	15:37

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



3.15 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report. There were 143 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 Friday 20th September at 15:51, with a recorded level of 132.6 mm/s PPV. Due to the unrealistically high level recorded, and the fact that no other vibration levels of a similar value were recorded, it

is highly likely that this was caused by the vibration monitor accidentally being knocked, as opposed to continuous construction activity at the location. This will continue to be monitored.

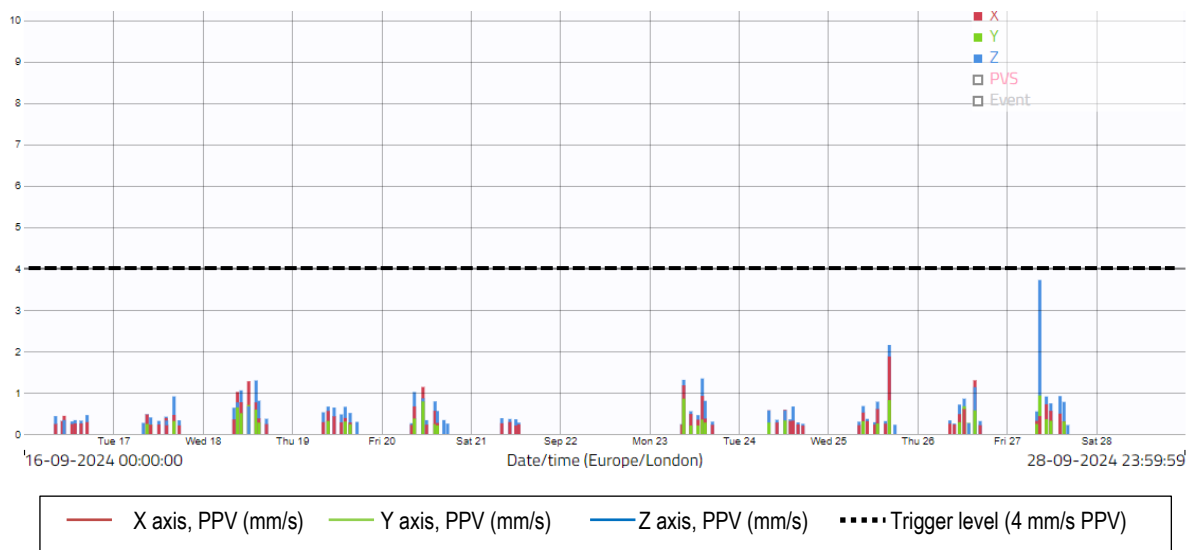
3.16 Based on the activity taking place in the vicinity of the monitor during this monitoring period, it is likely that the remaining alerts may have been caused by the drainage installation or road formation within the vicinity of Block E1. Additionally, movement of site vehicles within the vicinity 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.

Location 3 (meter ref. RIYORU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	16/09/2024 to 28/09/2024	1	3.72	27/09/2024	08:50
		2	2.15	25/09/2024	16:15
Criteria mm/s PPV Exceedances		3	1.93	27/09/2024	08:35
4.0	0	4	1.37	27/09/2024	09:06
		5	1.34	23/09/2024	14:07
		6	1.31	23/09/2024	09:09
		7	1.30	27/09/2024	08:26
		8	1.30	26/09/2024	15:24
		9	1.29	18/09/2024	14:19
		10	1.28	27/09/2024	08:11

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

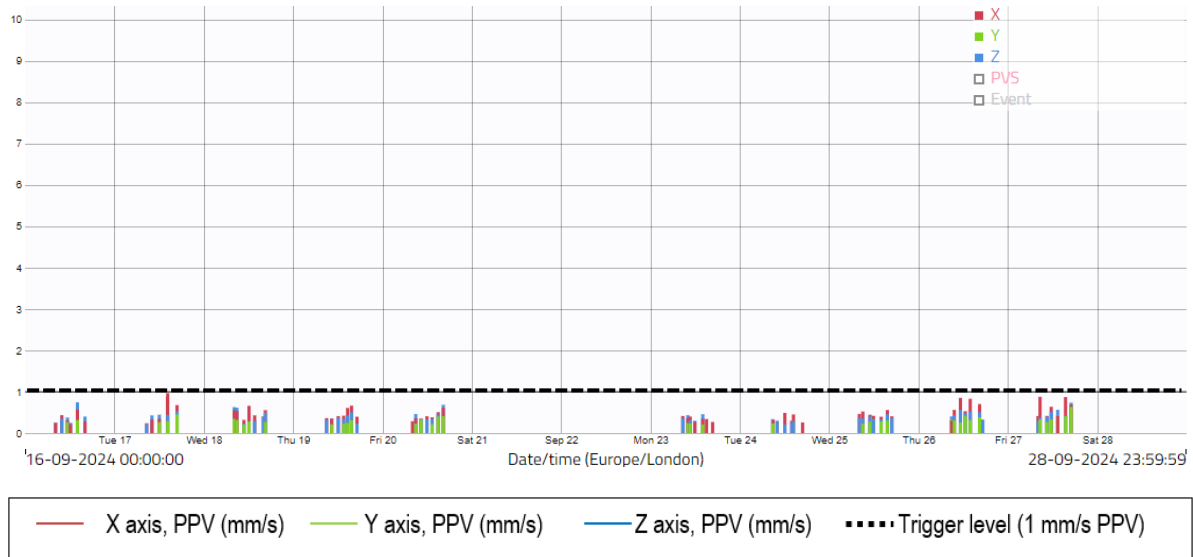


3.18 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above. The highest recorded vibration level occurred on Friday 27th September at 08:50, with a recorded level of 3.7 mm/s PPV.

Location 4 (meter ref. TEJELU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	16/09/2024 to 28/09/2024	1	0.96	17/09/2024	14:18
		2	0.88	17/09/2024	14:14
Criteria mm/s PPV Exceedances		3	0.88	27/09/2024	08:36
1.0	0	4	0.87	27/09/2024	15:26
		5	0.86	17/09/2024	15:30
		6	0.85	26/09/2024	11:15
		7	0.83	17/09/2024	15:06
		8	0.83	26/09/2024	13:53
		9	0.83	17/09/2024	15:33
		10	0.82	17/09/2024	15:01

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



3.19 There was 100% data coverage at Location 4 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 1.0 mm/s PPV, which are shown in the raw data and graph above. The highest recorded vibration level occurred on Tuesday 17th September at 14:18, with a recorded level of 0.96 mm/s PPV.