

# Holloway Park, London

## Construction Monitoring Report

Client: London Square  
Ref: CM95-22405-R0  
Date: 6 December 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 11<sup>th</sup> & Saturday 23<sup>rd</sup> November 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, and mobile plant used around the site:

#### OHOB

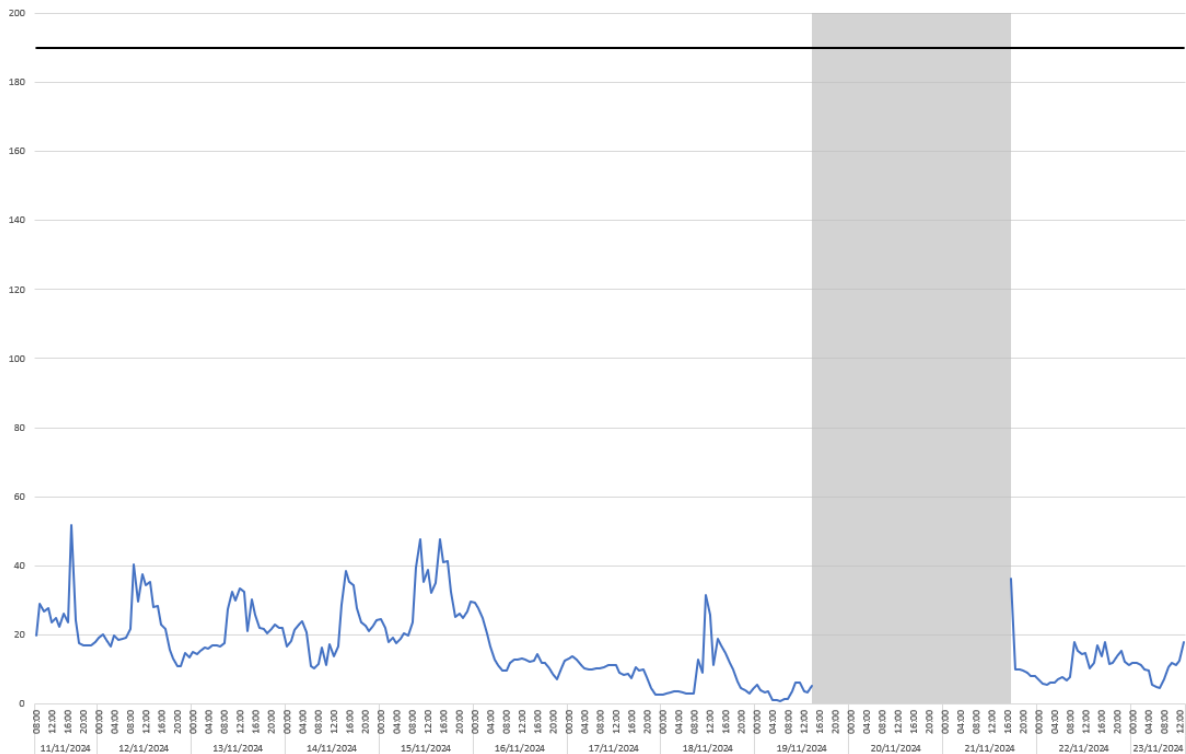
- Work continuing on the Block C decking
- Installation of drainage at Blocks D & E
- Excavation & installation of pilecaps in Block D
- Installing vertical elements including retaining walls – Block D
- Excavation at Block E1
- Ground floor slab being fixed & vertical elements being installed – Block E2
- Vertical elements being constructed at ground to second floor levels – Block C2

### 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)

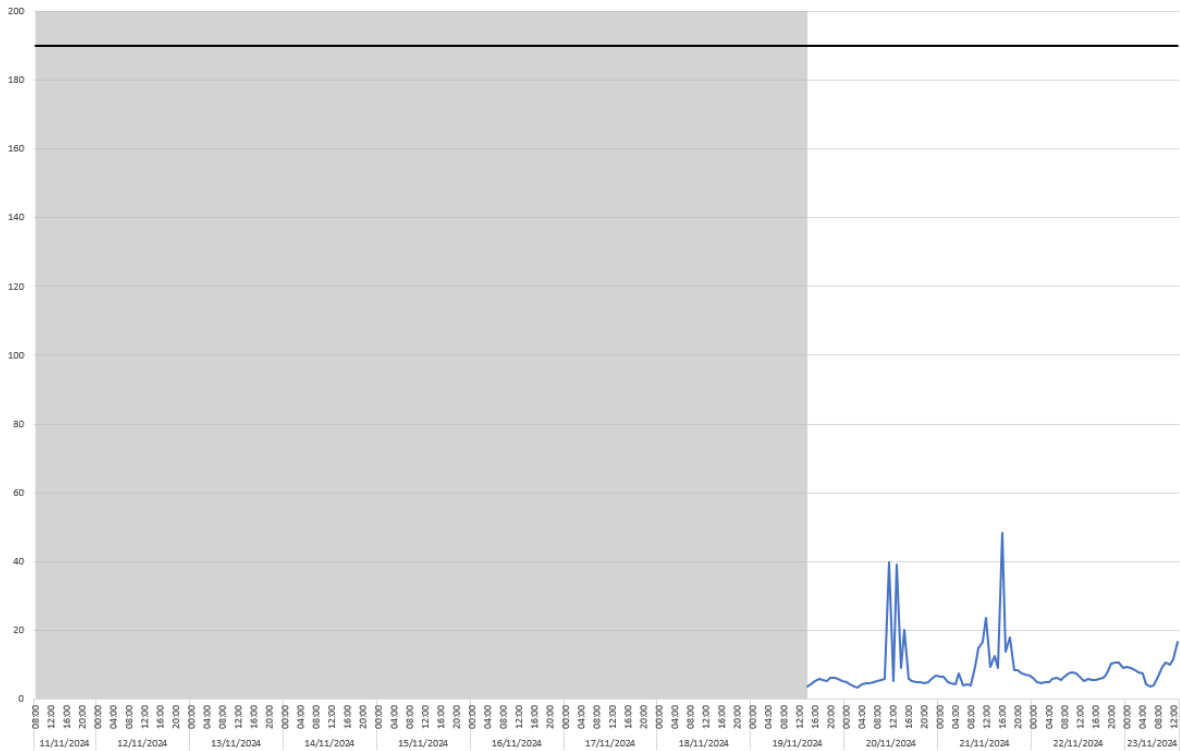





- Dust trigger level, 190  $\mu\text{g m}^{-3}$  60-minute mean for PM10 concentrations
- Dust level,  $\mu\text{g m}^{-3}$  60-minute mean for PM10 concentrations
- Data unavailable

3.2 There was 80% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor was temporarily offline between 15:00 on Tuesday 19<sup>th</sup> & 16:00 on Thursday 21<sup>st</sup> November.

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

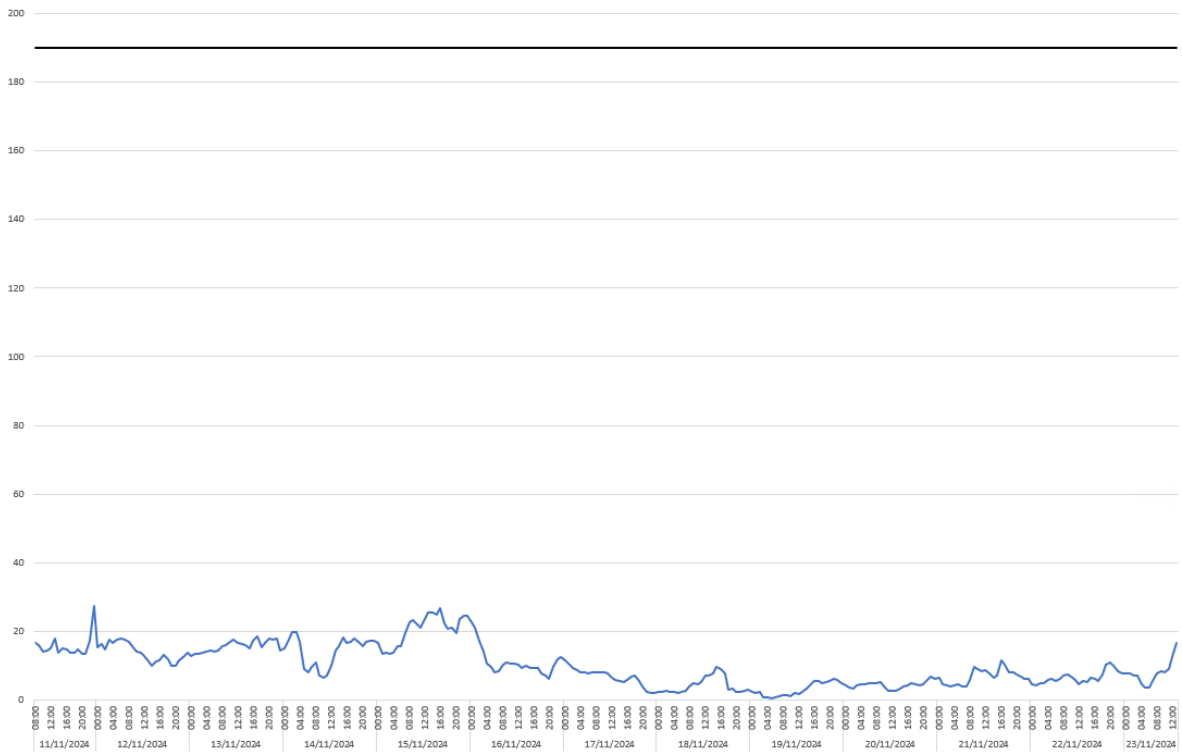
Location 2 (meter ref. TNO4778)



-  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 35% data coverage at Location 2 during construction hours for the monitoring period covered by this report. The dust monitor at this location was previously offsite from Thursday 26<sup>th</sup> September, due to an offsite fault investigation. This fault investigation was completed successfully, and the monitor was redeployed at 14:00 on Tuesday 19<sup>th</sup> November.
- 3.5 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded at this location during the monitoring period covered by this report.

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

- 3.6 There was 100% 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 at this location during the monitoring period covered by this report.

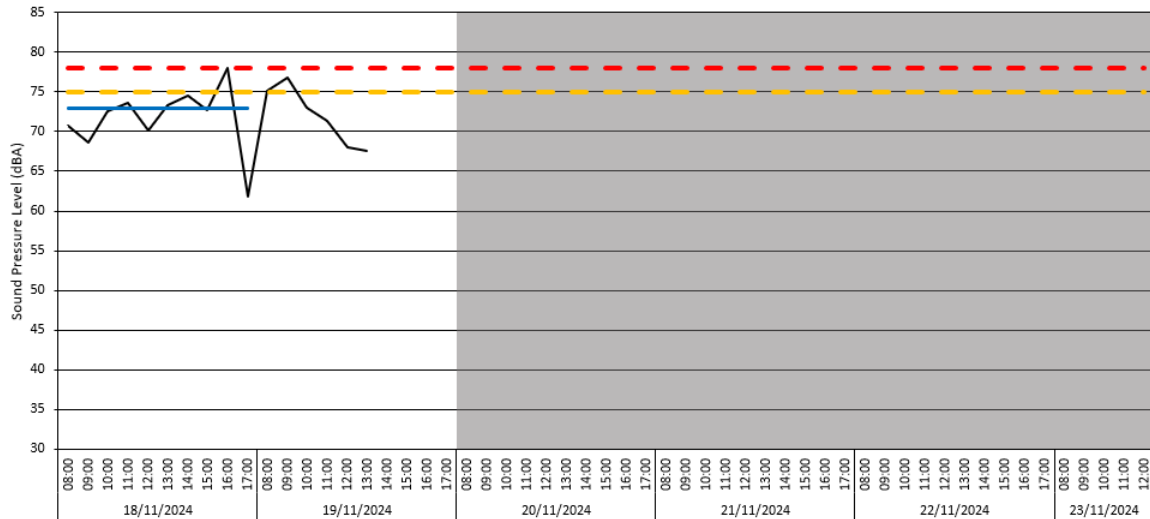
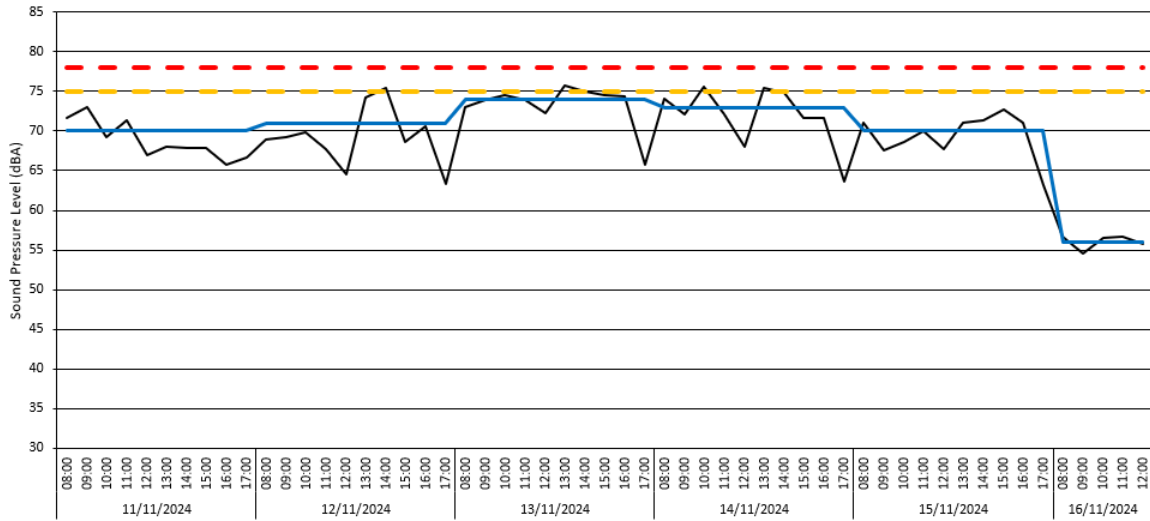
## Noise Monitoring Results

### 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]
2024-11-11	09:00:00	71.7	--	--	--
2024-11-11	10:00:00	73.1	--	--	--
2024-11-11	11:00:00	69.3	--	--	--
2024-11-11	12:00:00	71.3	--	--	--
2024-11-11	13:00:00	66.9	--	--	--
2024-11-11	14:00:00	68.1	--	--	--
2024-11-11	15:00:00	67.9	--	--	--
2024-11-11	16:00:00	67.9	--	--	--
2024-11-11	17:00:00	65.8	--	--	--
2024-11-11	18:00:00	66.7	--	69.5	--
2024-11-12	09:00:00	68.9	--	--	--
2024-11-12	10:00:00	69.2	--	--	--
2024-11-12	11:00:00	69.9	--	--	--
2024-11-12	12:00:00	67.8	--	--	--
2024-11-12	13:00:00	64.5	--	--	--
2024-11-12	14:00:00	74.2	--	--	--
2024-11-12	15:00:00	75.4	--	--	--
2024-11-12	16:00:00	68.7	--	--	--
2024-11-12	17:00:00	70.6	--	--	--
2024-11-12	18:00:00	63.4	--	70.7	--
2024-11-13	09:00:00	73.1	--	--	--
2024-11-13	10:00:00	74.0	--	--	--
2024-11-13	11:00:00	74.6	--	--	--
2024-11-13	12:00:00	73.9	--	--	--
2024-11-13	13:00:00	72.2	--	--	--
2024-11-13	14:00:00	75.7	--	--	--
2024-11-13	15:00:00	75.0	--	--	--
2024-11-13	16:00:00	74.5	--	--	--
2024-11-13	17:00:00	74.4	--	--	--
2024-11-13	18:00:00	65.7	--	73.9	--
2024-11-14	09:00:00	74.1	--	--	--
2024-11-14	10:00:00	72.1	--	--	--
2024-11-14	11:00:00	75.6	--	--	--
2024-11-14	12:00:00	72.1	--	--	--
2024-11-14	13:00:00	68.0	--	--	--
2024-11-14	14:00:00	75.4	--	--	--
2024-11-14	15:00:00	74.8	--	--	--
2024-11-14	16:00:00	71.6	--	--	--
2024-11-14	17:00:00	71.7	--	--	--
2024-11-14	18:00:00	63.6	--	73.0	--
2024-11-15	09:00:00	71.0	--	--	--
2024-11-15	10:00:00	67.5	--	--	--
2024-11-15	11:00:00	68.6	--	--	--
2024-11-15	12:00:00	70.0	--	--	--
2024-11-15	13:00:00	67.8	--	--	--
2024-11-15	14:00:00	71.1	--	--	--
2024-11-15	15:00:00	71.4	--	--	--
2024-11-15	16:00:00	72.8	--	--	--
2024-11-15	17:00:00	71.0	--	--	--
2024-11-15	18:00:00	63.2	--	70.1	--
2024-11-16	09:00:00	56.6	--	--	--
2024-11-16	10:00:00	54.5	--	--	--
2024-11-16	11:00:00	56.5	--	--	--
2024-11-16	12:00:00	56.7	--	--	--
2024-11-16	13:00:00	55.7	--	--	56.1
2024-11-17	18:00:00	--	--	56.4	--
2024-11-18	09:00:00	70.7	--	--	--
2024-11-18	10:00:00	68.6	--	--	--
2024-11-18	11:00:00	72.6	--	--	--
2024-11-18	12:00:00	73.7	--	--	--
2024-11-18	13:00:00	70.1	--	--	--
2024-11-18	14:00:00	73.4	--	--	--
2024-11-18	15:00:00	74.6	--	--	--
2024-11-18	16:00:00	72.8	--	--	--
2024-11-18	17:00:00	78.0	--	--	--
2024-11-18	18:00:00	61.8	--	73.1	--
2024-11-19	09:00:00	75.2	--	--	--
2024-11-19	10:00:00	76.8	--	--	--
2024-11-19	11:00:00	73.0	--	--	--
2024-11-19	12:00:00	71.3	--	--	--
2024-11-19	13:00:00	68.1	--	--	--
2024-11-19	14:00:00	67.5	--	--	--

**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

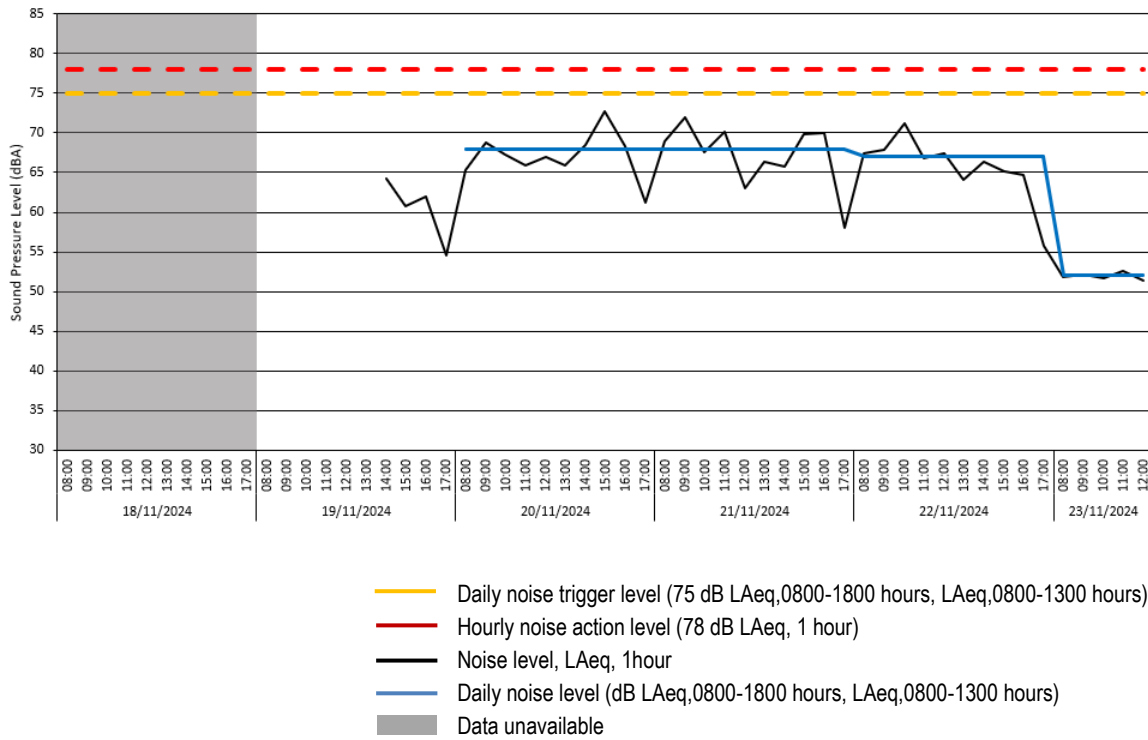
3.8 There was 65% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor was removed from site at 14:00 on Tuesday 19<sup>th</sup> November for its laboratory calibration. This will be returned to site as soon as the calibration is complete.

3.9 No exceedances of both the project daily noise trigger level of 75 dB LAeq,T or hourly noise action level of 78 dB LAeq,1hr were recorded at this location 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]	
2024-11-19	15:00:00	64.3	--	--	
2024-11-19	16:00:00	60.7	--	--	
2024-11-19	17:00:00	62.0	--	--	
2024-11-19	18:00:00	54.5	--	--	
2024-11-20	09:00:00	65.3	--	--	
2024-11-20	10:00:00	68.8	--	--	
2024-11-20	11:00:00	67.3	--	--	
2024-11-20	12:00:00	65.9	--	--	
2024-11-20	13:00:00	67.0	--	--	
2024-11-20	14:00:00	65.9	--	--	
2024-11-20	15:00:00	68.5	--	--	
2024-11-20	16:00:00	72.8	--	--	
2024-11-20	17:00:00	68.4	--	--	
2024-11-20	18:00:00	61.2	68.0	--	
2024-11-21	09:00:00	69.0	--	--	
2024-11-21	10:00:00	71.9	--	--	
2024-11-21	11:00:00	67.6	--	--	
2024-11-21	12:00:00	70.1	--	--	
2024-11-21	13:00:00	63.0	--	--	
2024-11-21	14:00:00	66.3	--	--	
2024-11-21	15:00:00	65.8	--	--	
2024-11-21	16:00:00	69.8	--	--	
2024-11-21	17:00:00	70.0	--	--	
2024-11-21	18:00:00	58.0	68.4	--	
2024-11-22	09:00:00	67.4	--	--	
2024-11-22	10:00:00	67.9	--	--	
2024-11-22	11:00:00	71.2	--	--	
2024-11-22	12:00:00	66.8	--	--	
2024-11-22	13:00:00	67.4	--	--	
2024-11-22	14:00:00	64.1	--	--	
2024-11-22	15:00:00	66.3	--	--	
2024-11-22	16:00:00	65.1	--	--	
2024-11-22	17:00:00	64.7	--	--	
2024-11-22	18:00:00	55.8	66.9	--	
2024-11-23	09:00:00	51.8	--	--	
2024-11-23	10:00:00	52.1	--	--	
2024-11-23	11:00:00	51.7	--	--	
2024-11-23	12:00:00	52.6	--	--	
2024-11-23	13:00:00	51.4	--	52.0	

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



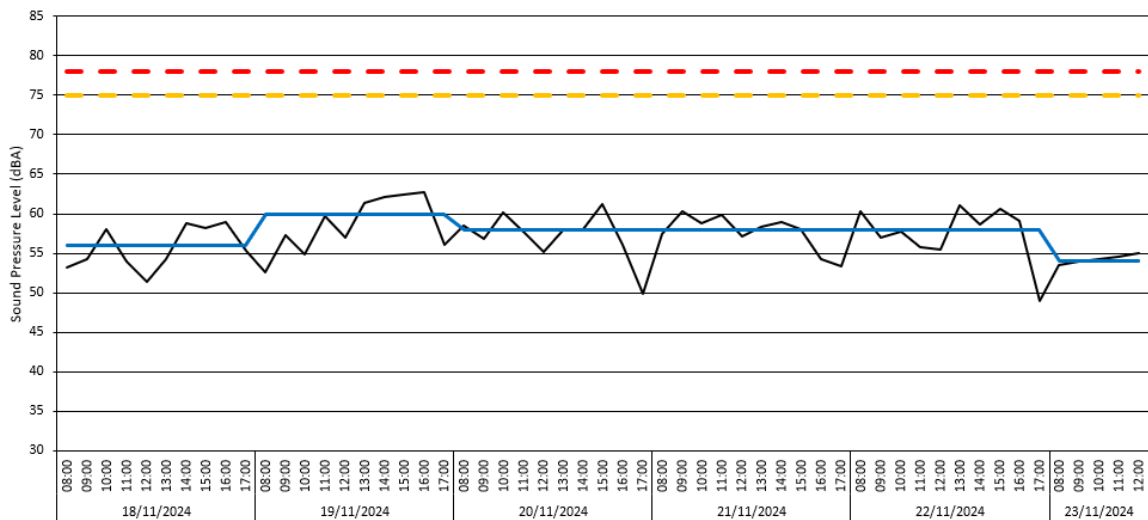
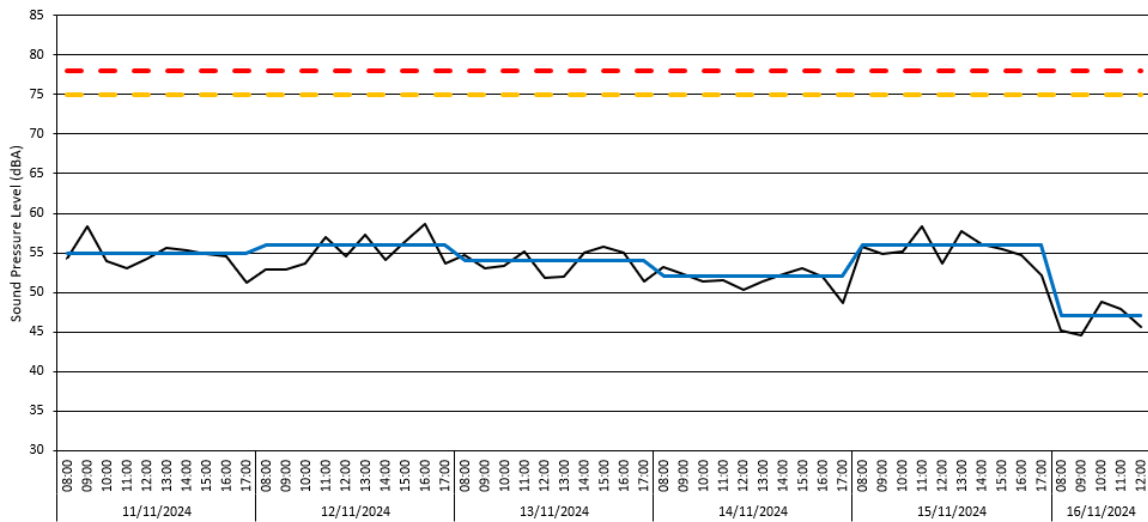
- 3.10 There was 35% data coverage at Location 2 during construction hours for the monitoring period covered by this report. The monitor was previously offsite for its laboratory calibration – it was returned to site at 14:00 on Tuesday 19<sup>th</sup> November.
- 3.11 No exceedances of both the project daily noise trigger level of 75 dB LAeq,T or hourly noise action level of 78 dB LAeq,1hr were recorded at this location during the monitoring period covered by this report.



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

#	Broadband Results	Date	Time	LAeq(60min)	LAeq(10hr)	LAeq(5hr)
		[YYYY-MM-DD]	[hh:mm:ss]	[dB]	[dB]	[dB]
1		2024-11-11	09:00:00	54.2	--	--
2		2024-11-11	10:00:00	58.4	--	--
3		2024-11-11	11:00:00	53.9	--	--
4		2024-11-11	12:00:00	53.1	--	--
5		2024-11-11	13:00:00	54.3	--	--
6		2024-11-11	14:00:00	55.6	--	--
7		2024-11-11	15:00:00	55.3	--	--
8		2024-11-11	16:00:00	54.8	--	--
9		2024-11-11	17:00:00	54.5	--	--
10		2024-11-11	18:00:00	51.2	54.9	--
11		2024-11-12	09:00:00	52.9	--	--
12		2024-11-12	10:00:00	52.9	--	--
13		2024-11-12	11:00:00	53.7	--	--
14		2024-11-12	12:00:00	57.0	--	--
15		2024-11-12	13:00:00	54.5	--	--
16		2024-11-12	14:00:00	57.3	--	--
17		2024-11-12	15:00:00	54.1	--	--
18		2024-11-12	16:00:00	56.3	--	--
19		2024-11-12	17:00:00	58.7	--	--
20		2024-11-12	18:00:00	53.6	55.6	--
21		2024-11-13	09:00:00	54.7	--	--
22		2024-11-13	10:00:00	53.0	--	--
23		2024-11-13	11:00:00	53.3	--	--
24		2024-11-13	12:00:00	55.1	--	--
25		2024-11-13	13:00:00	51.8	--	--
26		2024-11-13	14:00:00	51.9	--	--
27		2024-11-13	15:00:00	55.0	--	--
28		2024-11-13	16:00:00	55.7	--	--
29		2024-11-13	17:00:00	55.0	--	--
30		2024-11-13	18:00:00	51.3	53.9	--
31		2024-11-14	09:00:00	53.2	--	--
32		2024-11-14	10:00:00	52.2	--	--
33		2024-11-14	11:00:00	51.3	--	--
34		2024-11-14	12:00:00	51.5	--	--
35		2024-11-14	13:00:00	50.3	--	--
36		2024-11-14	14:00:00	51.3	--	--
37		2024-11-14	15:00:00	52.2	--	--
38		2024-11-14	16:00:00	53.0	--	--
39		2024-11-14	17:00:00	52.0	--	--
40		2024-11-14	18:00:00	48.6	51.7	--
41		2024-11-15	09:00:00	55.8	--	--
42		2024-11-15	10:00:00	54.9	--	--
43		2024-11-15	11:00:00	55.1	--	--
44		2024-11-15	12:00:00	58.3	--	--
45		2024-11-15	13:00:00	53.6	--	--
46		2024-11-15	14:00:00	57.8	--	--
47		2024-11-15	15:00:00	56.1	--	--
48		2024-11-15	16:00:00	55.4	--	--
49		2024-11-15	17:00:00	54.7	--	--
50		2024-11-15	18:00:00	52.1	55.7	--
51		2024-11-16	09:00:00	45.1	--	--
52		2024-11-16	10:00:00	44.6	--	--
53		2024-11-16	11:00:00	48.8	--	--
54		2024-11-16	12:00:00	47.9	--	--
55		2024-11-16	13:00:00	45.6	--	46.7
56		2024-11-17	18:00:00	--	48.3	--
57		2024-11-18	09:00:00	53.2	--	--
58		2024-11-18	10:00:00	54.3	--	--
59		2024-11-18	11:00:00	58.0	--	--
60		2024-11-18	12:00:00	53.9	--	--
61		2024-11-18	13:00:00	51.3	--	--
62		2024-11-18	14:00:00	54.3	--	--
63		2024-11-18	15:00:00	58.8	--	--
64		2024-11-18	16:00:00	58.2	--	--
65		2024-11-18	17:00:00	59.0	--	--
66		2024-11-18	18:00:00	55.3	56.4	--
67		2024-11-19	09:00:00	52.6	--	--
68		2024-11-19	10:00:00	57.2	--	--
69		2024-11-19	11:00:00	54.8	--	--
70		2024-11-19	12:00:00	59.7	--	--
71		2024-11-19	13:00:00	56.9	--	--
72		2024-11-19	14:00:00	61.3	--	--
73		2024-11-19	15:00:00	62.1	--	--
74		2024-11-19	16:00:00	62.4	--	--
75		2024-11-19	17:00:00	62.7	--	--
76		2024-11-19	18:00:00	56.1	59.7	--
77		2024-11-20	09:00:00	58.5	--	--
78		2024-11-20	10:00:00	56.8	--	--
79		2024-11-20	11:00:00	60.2	--	--
80		2024-11-20	12:00:00	57.7	--	--
81		2024-11-20	13:00:00	55.2	--	--
82		2024-11-20	14:00:00	57.9	--	--
83		2024-11-20	15:00:00	58.0	--	--
84		2024-11-20	16:00:00	61.2	--	--
85		2024-11-20	17:00:00	56.9	--	--
86		2024-11-20	18:00:00	49.8	57.9	--
87		2024-11-21	09:00:00	57.5	--	--
88		2024-11-21	10:00:00	60.3	--	--
89		2024-11-21	11:00:00	58.8	--	--
90		2024-11-21	12:00:00	59.8	--	--
91		2024-11-21	13:00:00	57.1	--	--
92		2024-11-21	14:00:00	58.4	--	--
93		2024-11-21	15:00:00	58.9	--	--
94		2024-11-21	16:00:00	58.1	--	--
95		2024-11-21	17:00:00	54.3	--	--
96		2024-11-21	18:00:00	53.4	58.1	--
97		2024-11-22	09:00:00	60.3	--	--
98		2024-11-22	10:00:00	56.9	--	--
99		2024-11-22	11:00:00	57.7	--	--
100		2024-11-22	12:00:00	55.7	--	--
101		2024-11-22	13:00:00	55.4	--	--
102		2024-11-22	14:00:00	61.0	--	--
103		2024-11-22	15:00:00	58.6	--	--
104		2024-11-22	16:00:00	60.6	--	--
105		2024-11-22	17:00:00	59.1	--	--
106		2024-11-22	18:00:00	49.0	58.4	--
107		2024-11-23	09:00:00	53.5	--	--
108		2024-11-23	10:00:00	53.9	--	--
109		2024-11-23	11:00:00	54.2	--	--
110		2024-11-23	12:00:00	54.5	--	--
111		2024-11-23	13:00:00	55.0	--	54.3

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

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

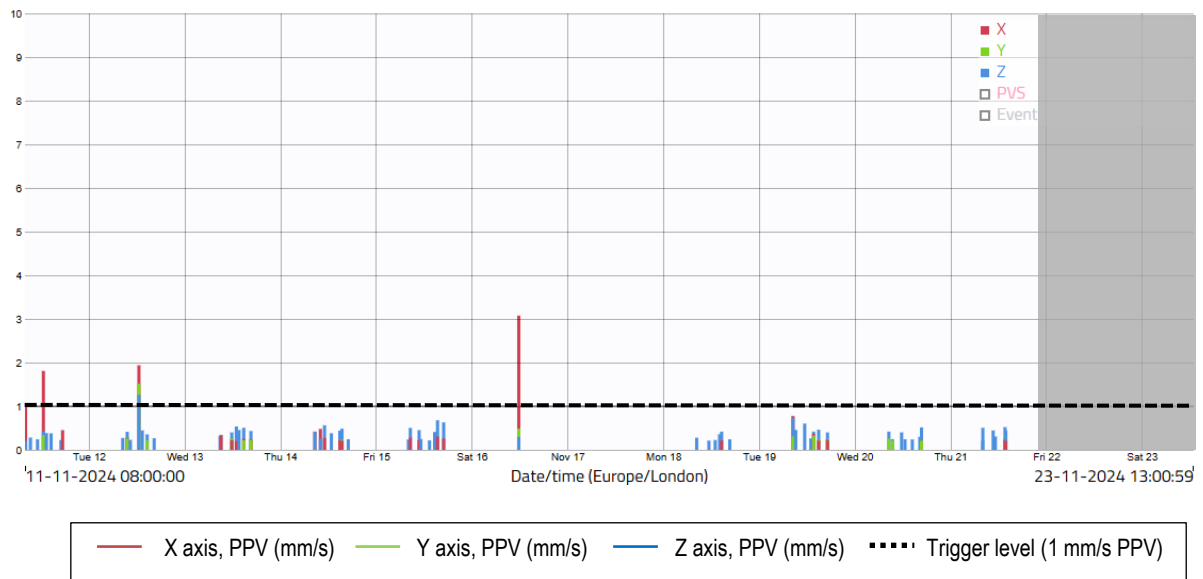
3.13 No exceedances of the daily project noise limit of 75 dB LAeq,T were recorded at this location during the monitoring period covered by this report. No exceedances of the project hourly noise criteria of 78 dB LAeq,1hr were recorded at this location during the monitoring period.

### Vibration Monitoring Results

Location 1 (meter ref. PIJIVI) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	11/11/2024 to 23/11/2024	1	3.08	18/11/2024	08:18
		2	1.94	12/11/2024	12:39
Criteria mm/s PVS	Exceedances	3	1.81	11/11/2024	12:54
		4	1.00	11/11/2024	08:24
1.0	3	5	0.77	19/11/2024	08:40
		6	0.73	19/11/2024	09:04
		7	0.68	15/11/2024	15:27
		8	0.63	16/11/2024	11:48
		9	0.60	19/11/2024	11:35
		10	0.56	15/11/2024	15:19
		11	0.56	14/11/2024	11:51
		12	0.56	19/11/2024	08:33
		13	0.56	14/11/2024	11:07
		14	0.54	13/11/2024	13:01
		15	0.53	15/11/2024	15:29
		16	0.52	21/11/2024	13:43
		17	0.52	14/11/2024	11:36
		18	0.51	20/11/2024	16:48
		19	0.51	15/11/2024	16:46
		20	0.51	15/11/2024	15:21
		21	0.51	13/11/2024	15:03
		22	0.50	21/11/2024	08:17
		23	0.50	14/11/2024	11:39
		24	0.50	15/11/2024	08:39
		25	0.50	15/11/2024	16:57
		26	0.50	21/11/2024	13:44
		27	0.50	21/11/2024	08:18
		28	0.50	15/11/2024	16:48
		29	0.50	15/11/2024	15:28
		30	0.49	15/11/2024	08:29

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



- 3.14 There was 84% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor was removed from site on Thursday 21<sup>st</sup> November, for its laboratory calibration. The monitor will be returned to site as soon as the calibration has been completed.
- 3.15 There were three 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 18 November at 08:18, with a recorded level of 3.1 mm/s PPV. This was likely caused by the Block C decking work. This will continue to be monitored.
- 3.16 At 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.

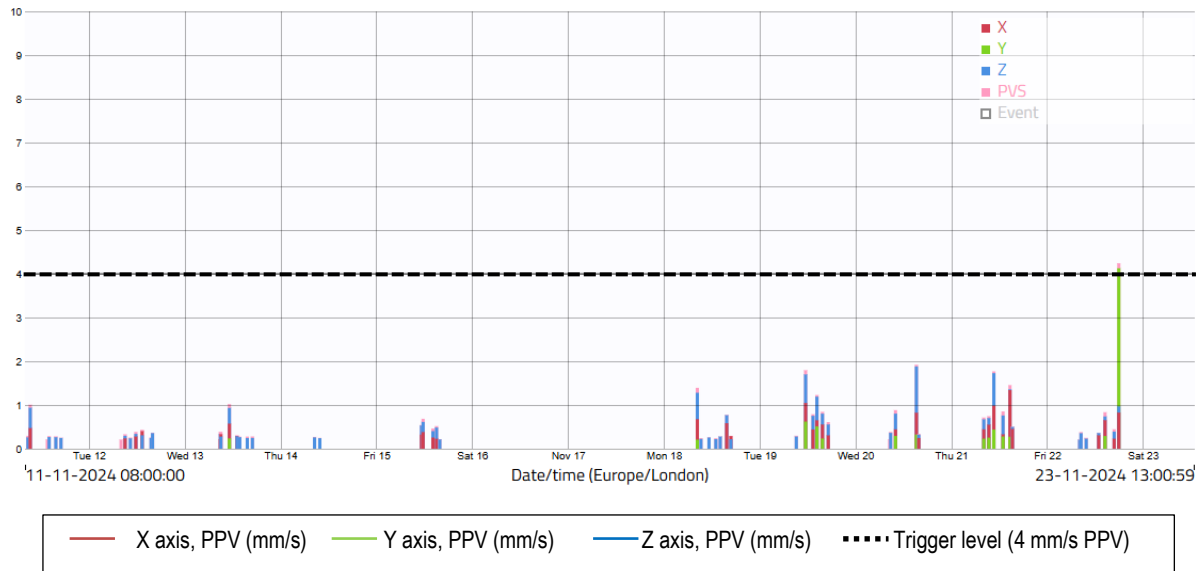
Location 2 (meter ref. LEQUMO)

3.17 The monitor at this location was offsite for its laboratory calibration until Tuesday 19<sup>th</sup> November. Unfortunately, due to an issue with the battery at this location, data collection at this location did not resume until Thursday 5<sup>th</sup> December. However, this issue has since been resolved and data collection will continue to take place as normal going forward.

Location 3 (meter ref. RIYORU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	11/11/2024 to 23/11/2024	1	4.13	22/11/2024	17:58
		2	1.88	20/11/2024	15:18
Criteria mm/s PVS 4.0	Exceedances 1	3	1.73	21/11/2024	10:42
		4	1.70	19/11/2024	11:33
		5	1.36	21/11/2024	14:47
		6	1.36	19/11/2024	11:38
		7	1.30	19/11/2024	11:39
		8	1.28	18/11/2024	08:29
		9	1.19	19/11/2024	14:23
		10	1.17	20/11/2024	15:09

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

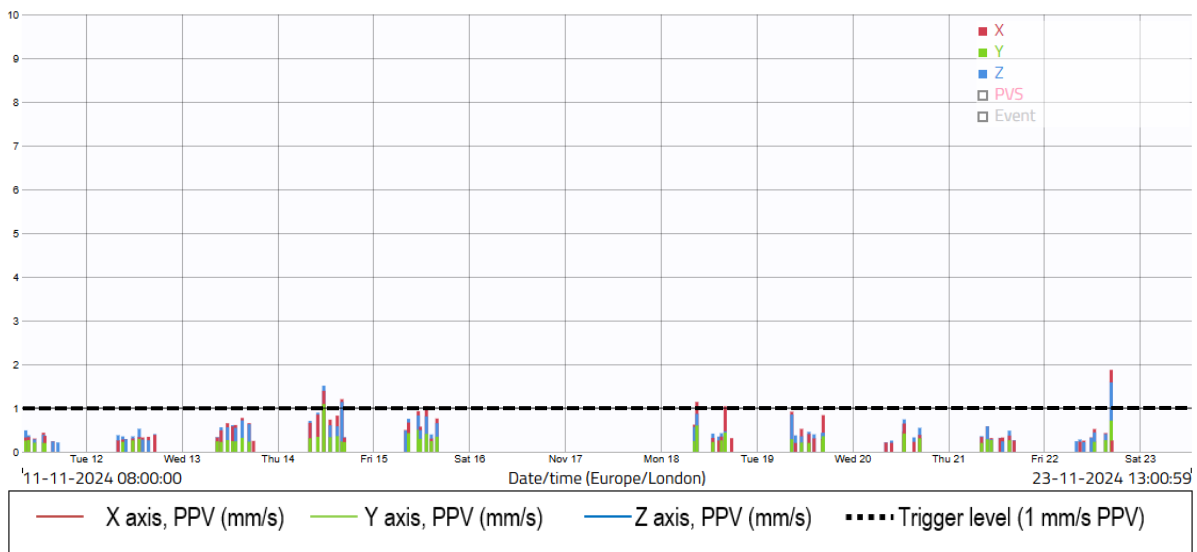


3.18 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There was one exceedance of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above. This occurred on Friday 22<sup>nd</sup> November at 17:58, with a recorded level of 4.1 mm/s PPV. As this was a standalone exceedance, marginally above the vibration trigger level, it is likely this caused by a one-off event, such as a site vehicle moving within proximity of the meter. This will continue to be monitored.

Location 4 (meter ref. TEJELU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	11/11/2024 to 23/11/2024	1	1.87	22/11/2024	16:51
		2	1.51	14/11/2024	11:37
Criteria mm/s PVS	Exceedances	3	1.20	14/11/2024	16:10
1.0	6	4	1.14	18/11/2024	09:04
		5	1.04	18/11/2024	16:56
		6	1.03	15/11/2024	13:23
		7	0.93	15/11/2024	11:17
		8	0.92	19/11/2024	09:12
		9	0.90	19/11/2024	08:53
		10	0.89	14/11/2024	10:07

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 six 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 level occurred on Friday 22<sup>nd</sup> November at 16:51, with a recorded level of 1.9 mm/s PPV. This was likely caused by the work taking place at Block E, such as the installation of vertical elements.