

# Holloway Park, London

## Construction Monitoring Report

Client: London Square  
Ref: CM94-22405-R0  
Date: 18 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 28<sup>th</sup> & Saturday 9<sup>th</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

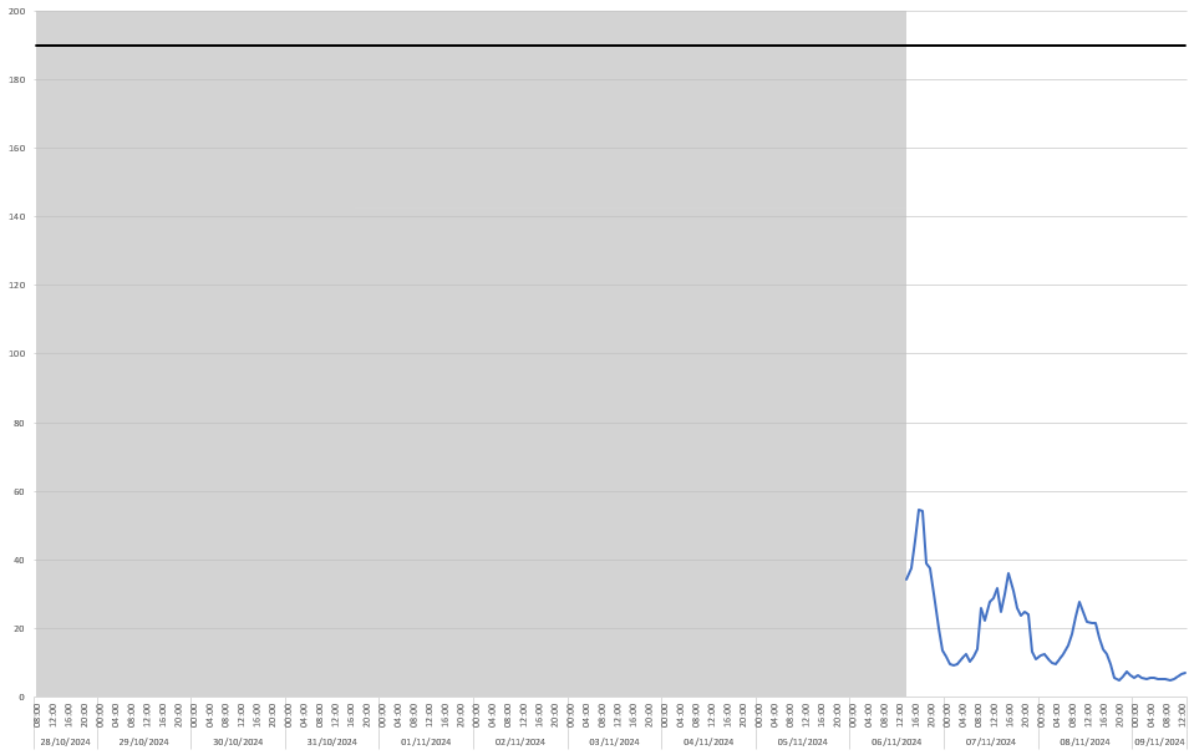
- Work continuing on the Block C decking
- Installation of drainage at Blocks D & E
- Excavation & installation of pilecaps in Block D
- Installing vertical elements including retaining walls – Block D
- Excavation at Block E1
- Ground floor slab being fixed & vertical elements being installed – Block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

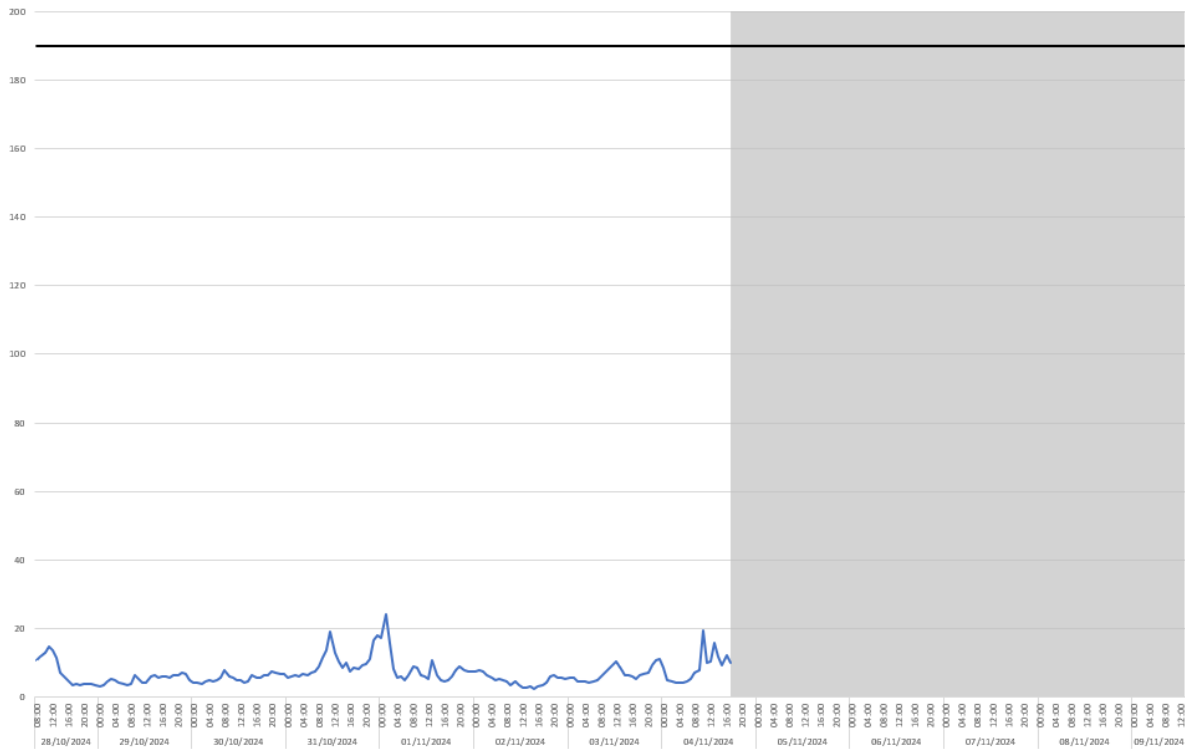
3.2 There was 27% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor came back online at 14:00 on 6<sup>th</sup> November due to a power outage.




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 26<sup>th</sup> 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. This monitor is scheduled to be redeployed on Tuesday 19<sup>th</sup> November.

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 59% data coverage at Location 3 during construction hours for the monitoring period covered by this report. The monitor went offline at 18:00 on 4<sup>th</sup> November, due to a power outage, which has since been resolved.

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.

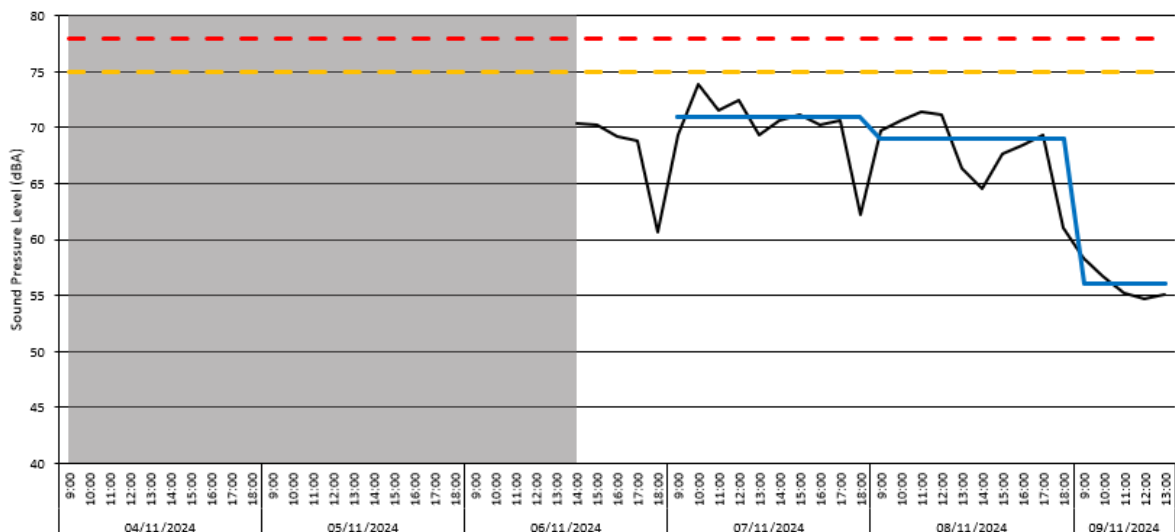
## Noise Monitoring Results

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

#### # Broadband Results

Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(7hr) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-11-06	14:00:00	70.4	--	--	--
2024-11-06	15:00:00	70.3	--	--	--
2024-11-06	16:00:00	69.2	--	--	--
2024-11-06	17:00:00	68.8	--	--	--
2024-11-06	18:00:00	60.7	--	--	--
2024-11-07	09:00:00	69.4	--	--	--
2024-11-07	10:00:00	73.9	--	--	--
2024-11-07	11:00:00	71.6	--	--	--
2024-11-07	12:00:00	72.5	--	--	--
2024-11-07	13:00:00	69.4	--	--	--
2024-11-07	14:00:00	70.6	--	--	--
2024-11-07	15:00:00	71.1	--	--	--
2024-11-07	16:00:00	70.2	--	--	--
2024-11-07	17:00:00	70.7	--	--	--
2024-11-07	18:00:00	62.2	--	70.9	--
2024-11-08	09:00:00	69.8	--	--	--
2024-11-08	10:00:00	70.7	--	--	--
2024-11-08	11:00:00	71.4	--	--	--
2024-11-08	12:00:00	71.2	--	--	--
2024-11-08	13:00:00	66.4	--	--	--
2024-11-08	14:00:00	64.6	--	--	--
2024-11-08	15:00:00	67.7	--	--	--
2024-11-08	16:00:00	68.5	--	--	--
2024-11-08	17:00:00	69.3	--	--	--
2024-11-08	18:00:00	61.0	--	68.9	--
2024-11-09	09:00:00	58.3	--	--	--
2024-11-09	10:00:00	56.6	--	--	--
2024-11-09	11:00:00	55.2	--	--	--
2024-11-09	12:00:00	54.7	--	--	--
2024-11-09	13:00:00	55.1	--	--	56.2

### 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

- 3.7 There was 27% data coverage at Location 1 during construction hours for the monitoring period covered by this report. The monitor was offline for the monitoring period due to a power outage, which has since been resolved. The monitor came back online after 14:00 on the 6<sup>th</sup> November. The power outage was discussed with the site team and this will continue to be monitored.
- 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.

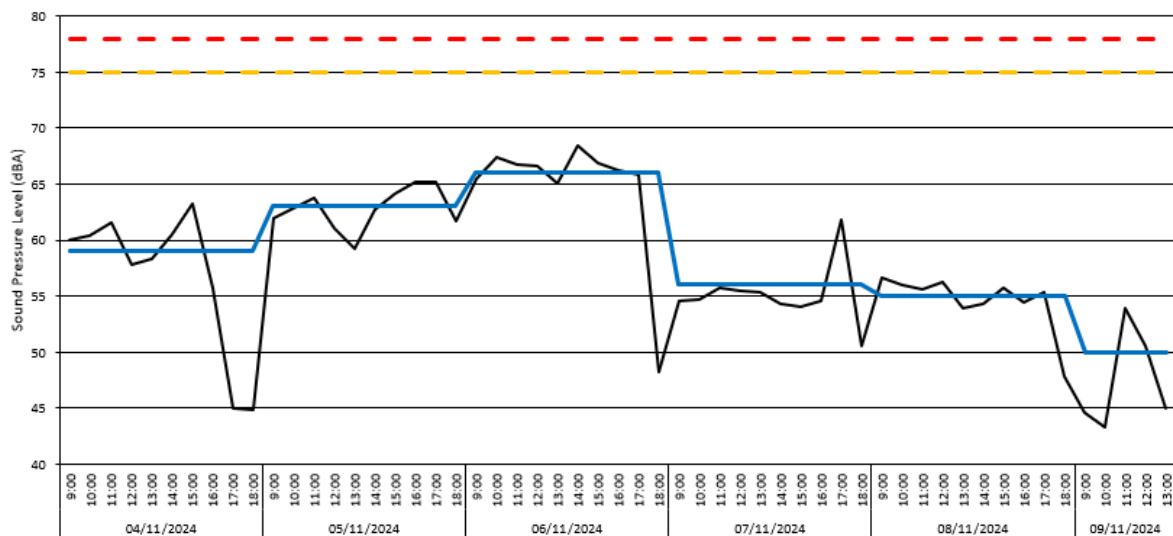
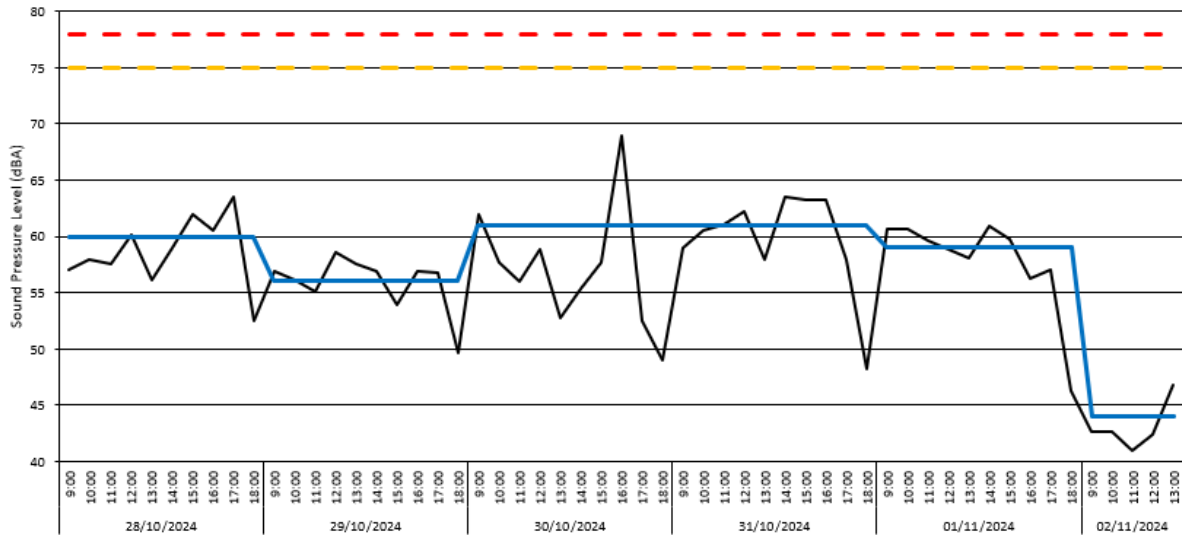
#### Location 2

- 3.9 The monitor at this location is offsite for calibration. Noise monitoring will resume at this location once the monitor is back from calibration – this is scheduled to take place on Tuesday 19<sup>th</sup> November.

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]
2024-10-28	09:00:00	57.0	--	--
2024-10-28	10:00:00	57.9	--	--
2024-10-28	11:00:00	57.5	--	--
2024-10-28	12:00:00	60.1	--	--
2024-10-28	13:00:00	56.1	--	--
2024-10-28	14:00:00	59.0	--	--
2024-10-28	15:00:00	61.9	--	--
2024-10-28	16:00:00	60.6	--	--
2024-10-28	17:00:00	63.5	--	--
2024-10-28	18:00:00	52.5	59.5	--
2024-10-29	09:00:00	56.9	--	--
2024-10-29	10:00:00	56.1	--	--
2024-10-29	11:00:00	55.1	--	--
2024-10-29	12:00:00	58.6	--	--
2024-10-29	13:00:00	57.6	--	--
2024-10-29	14:00:00	56.9	--	--
2024-10-29	15:00:00	53.9	--	--
2024-10-29	16:00:00	56.9	--	--
2024-10-29	17:00:00	56.8	--	--
2024-10-29	18:00:00	49.6	56.3	--
2024-10-30	09:00:00	61.9	--	--
2024-10-30	10:00:00	57.7	--	--
2024-10-30	11:00:00	56.0	--	--
2024-10-30	12:00:00	58.8	--	--
2024-10-30	13:00:00	52.7	--	--
2024-10-30	14:00:00	55.4	--	--
2024-10-30	15:00:00	57.7	--	--
2024-10-30	16:00:00	68.9	--	--
2024-10-30	17:00:00	52.5	--	--
2024-10-30	18:00:00	49.0	60.9	--
2024-10-31	09:00:00	59.0	--	--
2024-10-31	10:00:00	60.5	--	--
2024-10-31	11:00:00	61.1	--	--
2024-10-31	12:00:00	62.2	--	--
2024-10-31	13:00:00	57.9	--	--
2024-10-31	14:00:00	63.5	--	--
2024-10-31	15:00:00	63.3	--	--
2024-10-31	16:00:00	63.3	--	--
2024-10-31	17:00:00	58.0	--	--
2024-10-31	18:00:00	48.2	61.0	--
2024-11-01	09:00:00	60.7	--	--
2024-11-01	10:00:00	60.7	--	--
2024-11-01	11:00:00	59.6	--	--
2024-11-01	12:00:00	58.9	--	--
2024-11-01	13:00:00	58.1	--	--
2024-11-01	14:00:00	60.9	--	--
2024-11-01	15:00:00	59.7	--	--
2024-11-01	16:00:00	56.3	--	--
2024-11-01	17:00:00	57.1	--	--
2024-11-01	18:00:00	46.3	58.9	--
2024-11-02	09:00:00	42.6	--	--
2024-11-02	10:00:00	42.7	--	--
2024-11-02	11:00:00	41.0	--	--
2024-11-02	12:00:00	42.4	--	--
2024-11-02	13:00:00	46.8	--	43.6
2024-11-03	18:00:00	--	46.8	--
2024-11-04	09:00:00	60.0	--	--
2024-11-04	10:00:00	60.4	--	--
2024-11-04	11:00:00	61.6	--	--
2024-11-04	12:00:00	57.8	--	--
2024-11-04	13:00:00	58.3	--	--
2024-11-04	14:00:00	60.6	--	--
2024-11-04	15:00:00	63.3	--	--
2024-11-04	16:00:00	55.8	--	--
2024-11-04	17:00:00	45.0	--	--
2024-11-04	18:00:00	44.8	59.3	--
2024-11-05	09:00:00	62.0	--	--
2024-11-05	10:00:00	62.9	--	--
2024-11-05	11:00:00	63.8	--	--
2024-11-05	12:00:00	61.1	--	--
2024-11-05	13:00:00	59.2	--	--
2024-11-05	14:00:00	62.7	--	--
2024-11-05	15:00:00	64.2	--	--
2024-11-05	16:00:00	65.2	--	--
2024-11-05	17:00:00	65.2	--	--
2024-11-05	18:00:00	61.7	63.1	--
2024-11-06	09:00:00	65.4	--	--
2024-11-06	10:00:00	67.4	--	--
2024-11-06	11:00:00	66.8	--	--
2024-11-06	12:00:00	66.6	--	--
2024-11-06	13:00:00	65.1	--	--
2024-11-06	14:00:00	68.5	--	--
2024-11-06	15:00:00	66.9	--	--
2024-11-06	16:00:00	66.2	--	--
2024-11-06	17:00:00	65.8	--	--
2024-11-06	18:00:00	48.2	66.2	--
2024-11-07	09:00:00	54.6	--	--
2024-11-07	10:00:00	54.7	--	--
2024-11-07	11:00:00	55.7	--	--
2024-11-07	12:00:00	55.5	--	--
2024-11-07	13:00:00	55.4	--	--
2024-11-07	14:00:00	54.3	--	--
2024-11-07	15:00:00	54.1	--	--
2024-11-07	16:00:00	54.6	--	--
2024-11-07	17:00:00	61.8	--	--
2024-11-07	18:00:00	50.5	56.1	--
2024-11-08	09:00:00	56.6	--	--
2024-11-08	10:00:00	56.0	--	--
2024-11-08	11:00:00	55.6	--	--
2024-11-08	12:00:00	56.3	--	--
2024-11-08	13:00:00	53.9	--	--
2024-11-08	14:00:00	54.3	--	--
2024-11-08	15:00:00	55.8	--	--
2024-11-08	16:00:00	54.4	--	--
2024-11-08	17:00:00	55.4	--	--
2024-11-08	18:00:00	47.8	55.1	--
2024-11-09	09:00:00	44.6	--	--
2024-11-09	10:00:00	43.3	--	--
2024-11-09	11:00:00	53.9	--	--
2024-11-09	12:00:00	50.5	--	--
2024-11-09	13:00:00	45.0	--	49.5

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

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

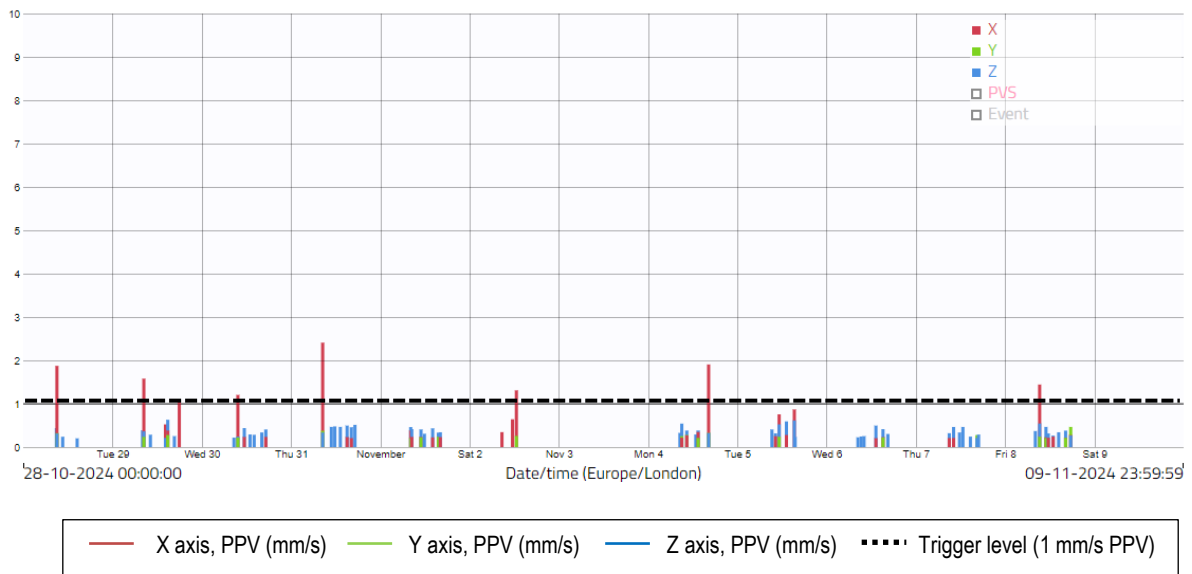
3.11 No exceedances of the daily project noise limit of 75 dB LAeq,T were recorded at this location during the monitoring period covered by this report. No exceedances of the project hourly noise criteria of 78 dB LAeq,1hr were recorded at this location during the monitoring period.

## Vibration Monitoring Results

### Location 1 (meter ref. PIJIVI) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	28/10/2024 to 09/11/2024	1	2.41	31/10/2024	08:21
		2	1.91	04/11/2024	15:52
Criteria mm/s PPV Exceedances		3	1.87	28/10/2024	09:01
1.0	9	4	1.58	29/10/2024	08:12
		5	1.44	08/11/2024	09:16
		6	1.39	28/10/2024	09:04
		7	1.31	02/11/2024	11:42
		8	1.20	30/10/2024	09:24
		9	1.05	29/10/2024	16:45
		10	0.87	05/11/2024	15:17

### Location 1 (meter ref. PIJIVI) – 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 nine 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 Thursday 31<sup>st</sup> October at 08:21, with a recorded level of 2.4 mm/s PPV. This was likely caused by the Block C decking work. This will continue to be monitored.
- 3.13 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.



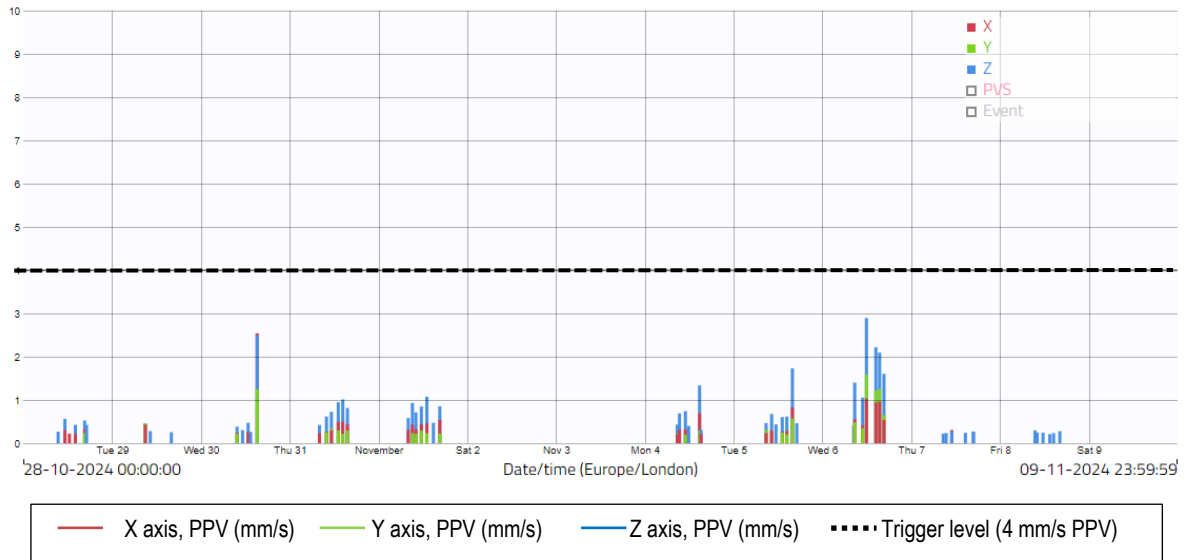
Location 2

3.14 The monitor at this location is offsite for calibration. Vibration monitoring will resume at this location once the monitor is back from calibration – this is scheduled to take place on Tuesday 19<sup>th</sup> November.

Location 3 (meter ref. RIYORU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	28/10/2024 to 09/11/2024	1	2.89	06/11/2024	11:53
		2	2.54	30/10/2024	15:12
Criteria mm/s PPV Exceedances		3	2.22	06/11/2024	14:26
4.0	0	4	2.09	06/11/2024	15:26
		5	2.05	06/11/2024	15:28
		6	1.78	06/11/2024	12:48
		7	1.75	06/11/2024	14:32
		8	1.73	05/11/2024	15:52
		9	1.67	06/11/2024	13:30
		10	1.60	06/11/2024	16:37

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

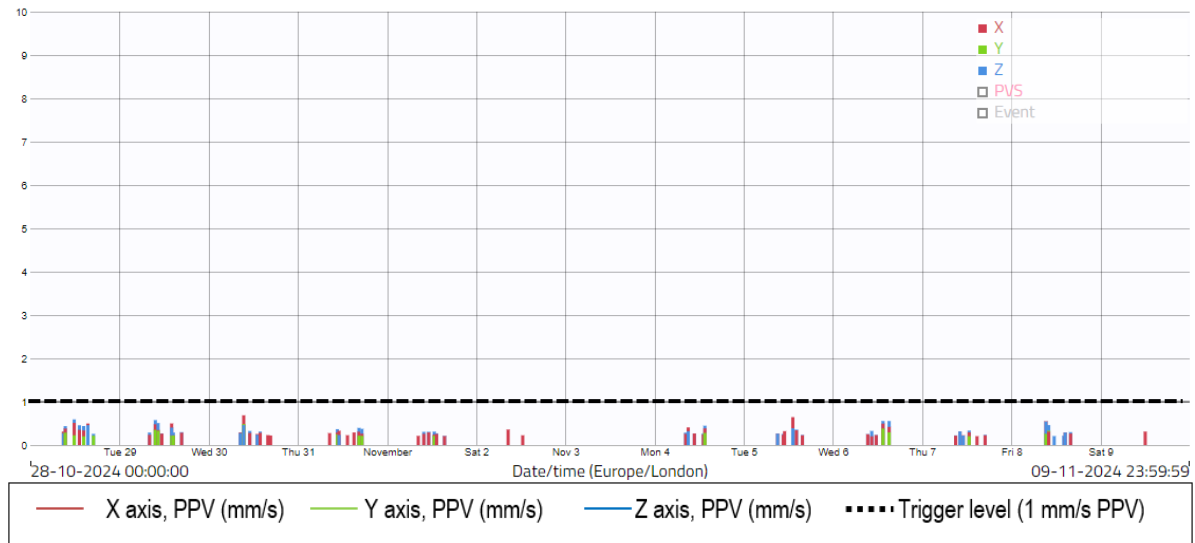


3.15 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above. The highest recorded vibration level occurred on Wednesday 6<sup>th</sup> November at 11:53, with a recorded level of 2.9 mm/s PPV.

Location 4 (meter ref. TEJELU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	28/10/2024 to 09/11/2024	1	0.69	30/10/2024	09:25
		2	0.64	05/11/2024	13:11
Criteria mm/s PPV Exceedances		3	0.59	28/10/2024	11:48
1.0	0	4	0.58	29/10/2024	09:37
		5	0.56	28/10/2024	11:25
		6	0.56	06/11/2024	14:01
		7	0.55	06/11/2024	14:59
		8	0.55	08/11/2024	09:18
		9	0.54	06/11/2024	13:43
		10	0.53	06/11/2024	13:19

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



3.16 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 is shown in the raw data and graph above. The highest recorded level occurred on Wednesday 30<sup>th</sup> October at 09:25, with a recorded level of 0.7 mm/s PPV.