

# Holloway Park, London

## Construction Monitoring Report

Client: London Square  
Ref: CM98-22405-R0  
Date: 22 January 2025  
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 23<sup>rd</sup> December 2024 & Saturday 11<sup>th</sup> January 2025. This report includes the Christmas shutdown period, which was between Tuesday 24<sup>th</sup> December and Thursday 2<sup>nd</sup> January. 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

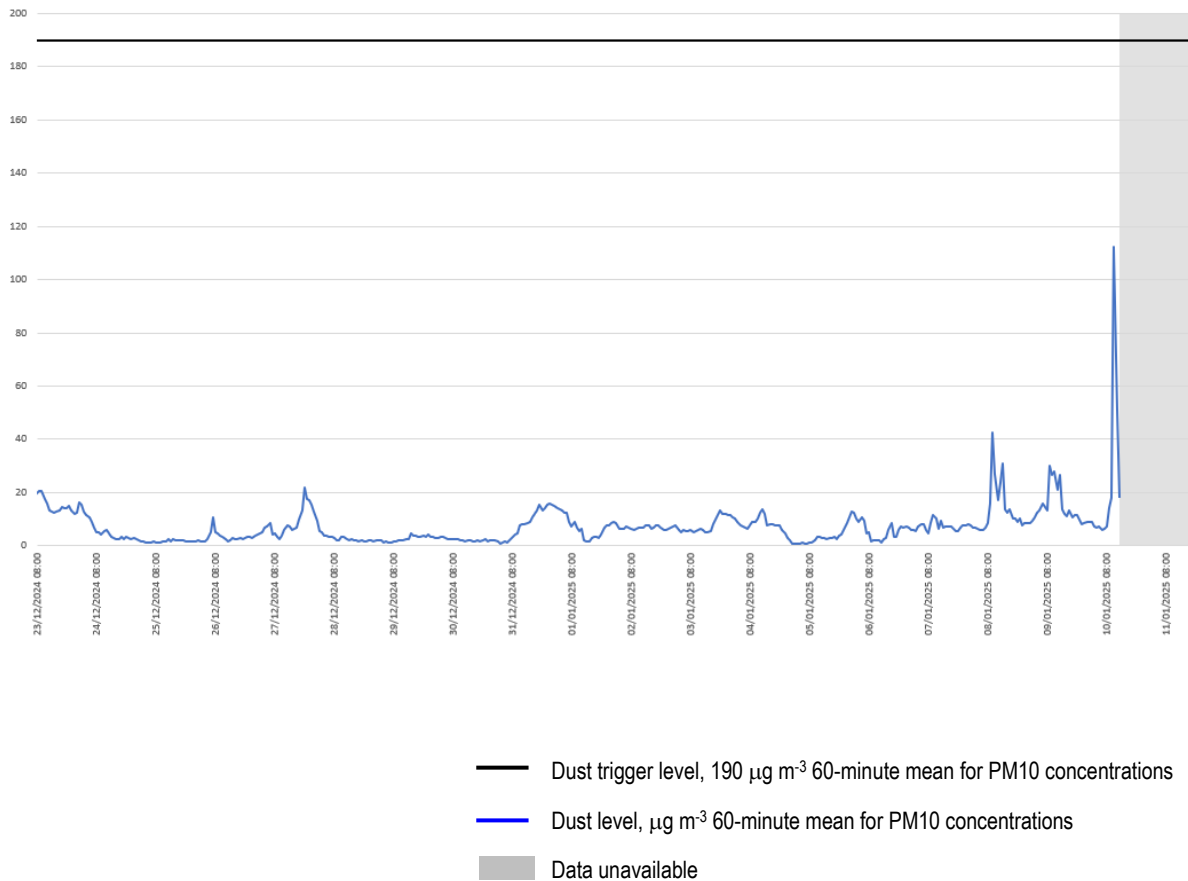
- Work continuing on the Block C & D decking
- Installation of drainage at Blocks D & E
- Installation of pile caps & beams – Block E1
- Vertical elements being constructed at first to second floor levels – Block C2
- Constructing slab at Level 1 of Block D1 & D2

### 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

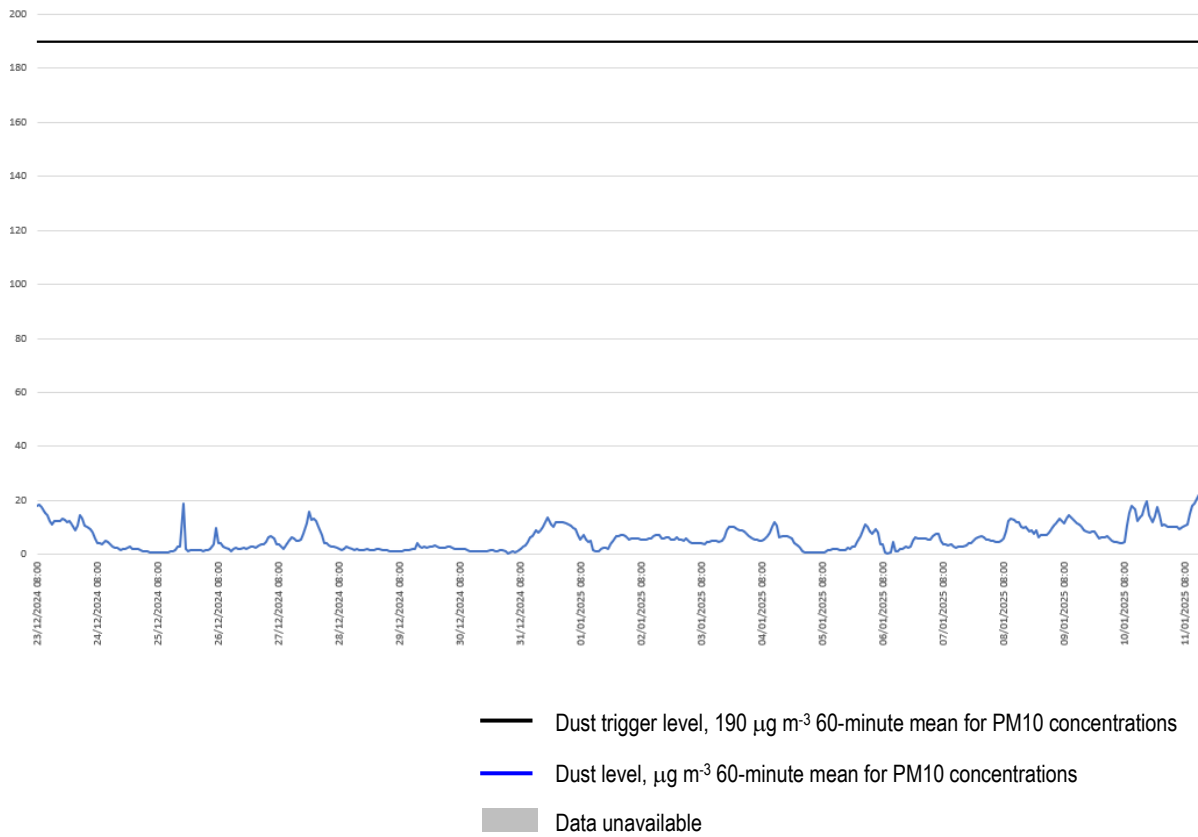
##### Location 1 (meter ref. TNO4728)



3.2 There was 94% data coverage at Location 1 during construction hours for the monitoring period covered by this report. 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.

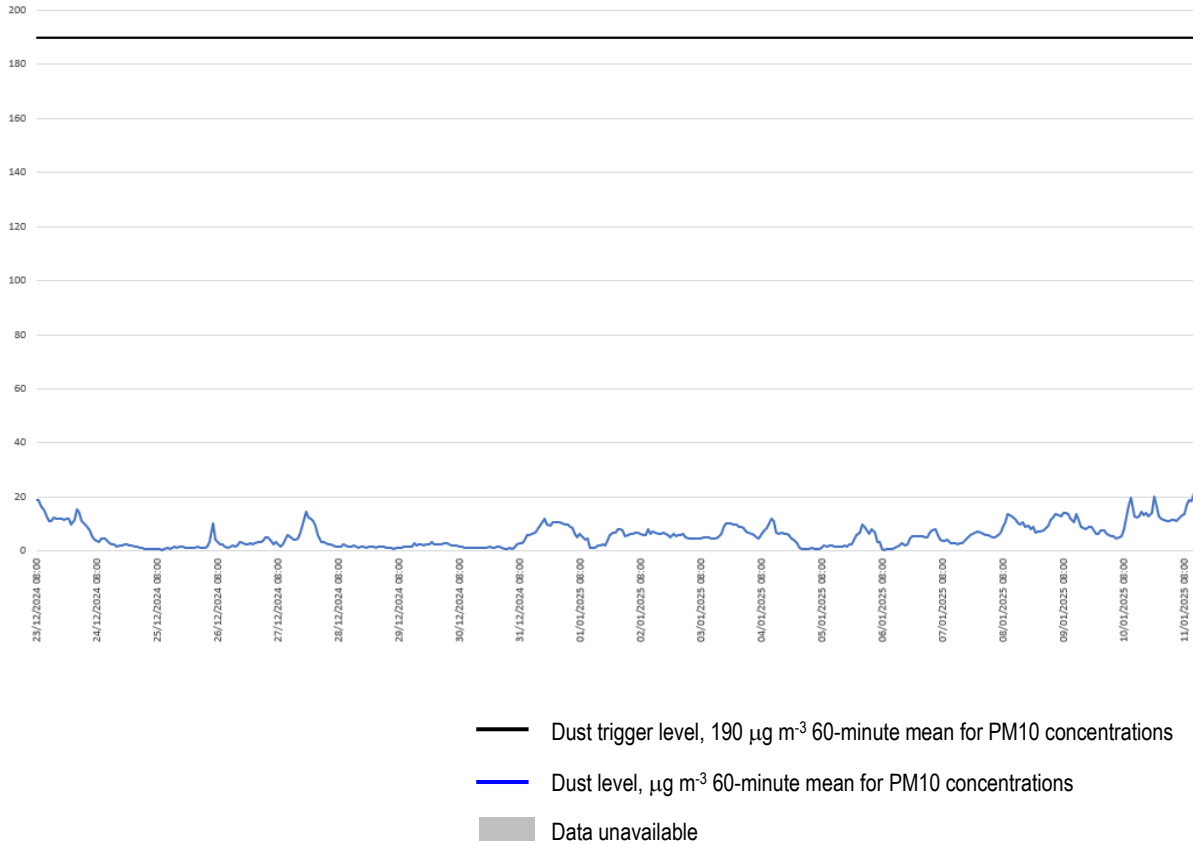
3.3 The dust monitor at this location was temporarily removed from site on Friday 10<sup>th</sup> January, due to the site hoarding at this location needing to be repositioned. The monitors at this location are scheduled to be reinstalled during the week commencing 27<sup>th</sup> January.

Location 2 (meter ref. TNO4778)



3.4 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report. 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)



3.5 There was 99% data coverage at Location 3 during construction hours for the monitoring period covered by this report. The monitor went offline after 12:00 on Saturday 21<sup>st</sup> December – this has since been resolved.

3.6 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)

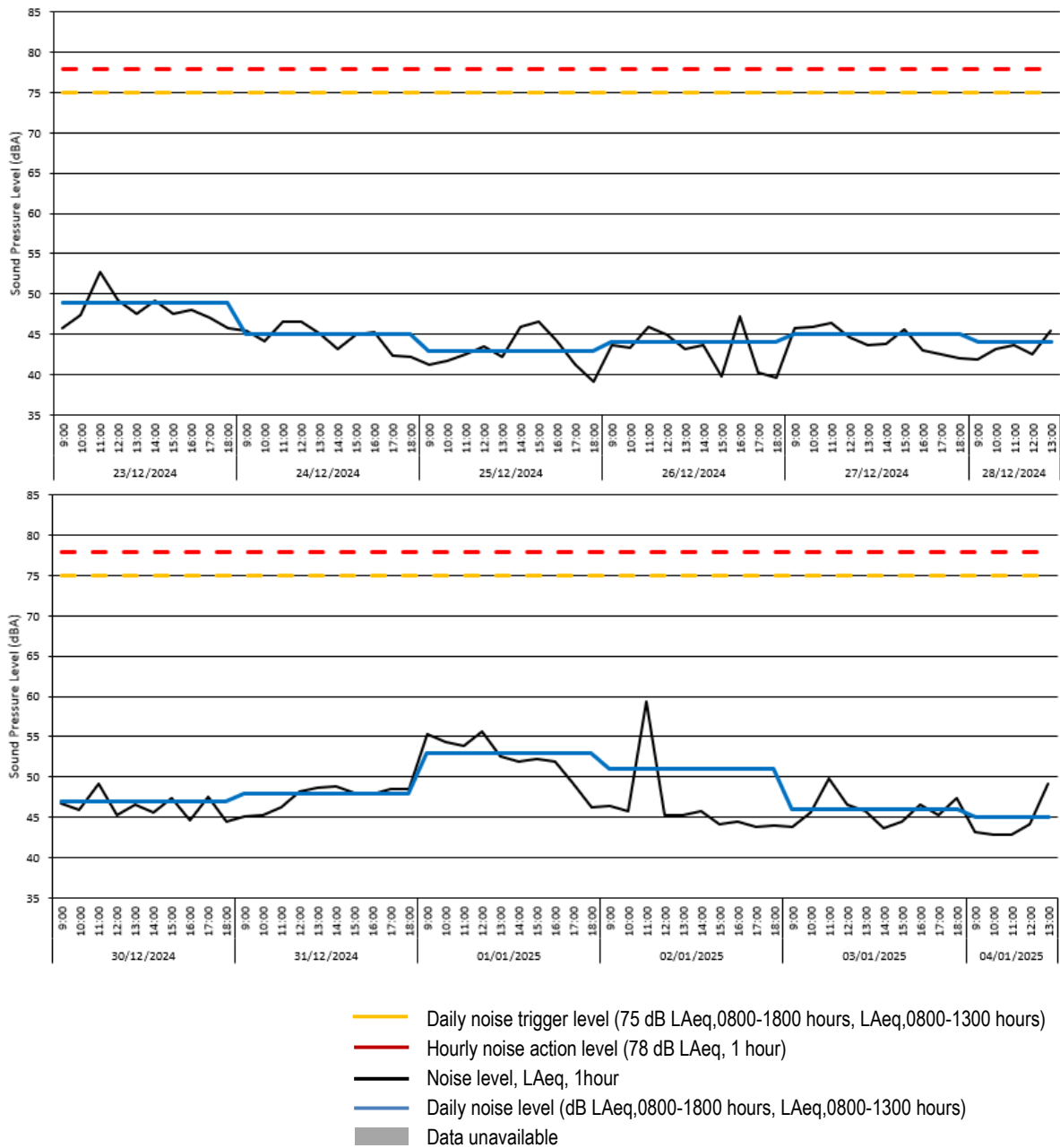
3.7 The monitor was removed from site on Tuesday 19<sup>th</sup> November for its laboratory calibration. A site visit was carried out by Cass Allen on Friday 10<sup>th</sup> January. It was not possible to reinstall the noise monitor at this location due to the site hoarding at this location needing to be repositioned. The monitors at this location are scheduled to be reinstalled during the week commencing 27<sup>th</sup> January.



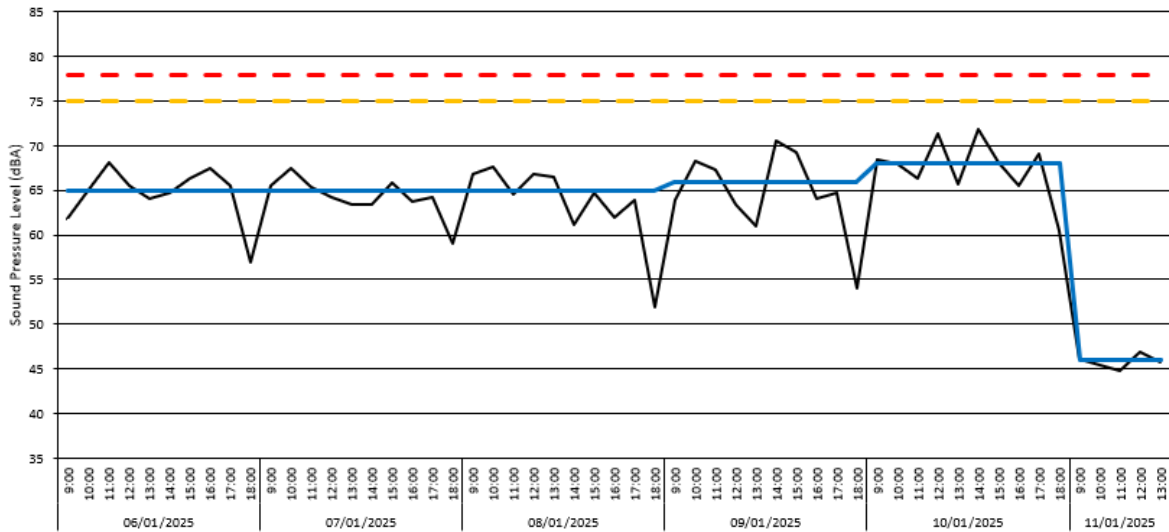
Location 2 (meter ref. VFHMP-7XSY7)

# broadband Results	Date	Time	L <sub>Aeq</sub> (50hr)	L <sub>Aeq</sub> (10hr)	L <sub>Aeq</sub> (5hr)
	[YYYY-MM-DD]	[hh:mm:ss]	[dB]	[dB]	[dB]
	2024-12-23	09:00:00	45.7	--	--
	2024-12-23	10:00:00	47.4	--	--
	2024-12-23	11:00:00	52.7	--	--
	2024-12-23	12:00:00	49.2	--	--
	2024-12-23	13:00:00	47.5	--	--
	2024-12-23	14:00:00	49.2	--	--
	2024-12-23	15:00:00	47.6	--	--
	2024-12-23	16:00:00	48.0	--	--
	2024-12-23	17:00:00	47.0	--	--
	2024-12-23	18:00:00	45.7	48.5	--
	2024-12-24	09:00:00	45.4	--	--
	2024-12-24	10:00:00	44.2	--	--
	2024-12-24	11:00:00	46.5	--	--
	2024-12-24	12:00:00	46.5	--	--
	2024-12-24	13:00:00	45.1	--	--
	2024-12-24	14:00:00	43.2	--	--
	2024-12-24	15:00:00	45.0	--	--
	2024-12-24	16:00:00	45.3	--	--
	2024-12-24	17:00:00	42.3	--	--
	2024-12-24	18:00:00	42.2	44.8	--
	2024-12-25	09:00:00	41.3	--	--
	2024-12-25	10:00:00	41.7	--	--
	2024-12-25	11:00:00	42.6	--	--
	2024-12-25	12:00:00	43.5	--	--
	2024-12-25	13:00:00	42.2	--	--
	2024-12-25	14:00:00	46.0	--	--
	2024-12-25	15:00:00	46.6	--	--
	2024-12-25	16:00:00	44.1	--	--
	2024-12-25	17:00:00	41.3	--	--
	2024-12-25	18:00:00	39.1	43.4	--
	2024-12-26	09:00:00	43.6	--	--
	2024-12-26	10:00:00	43.3	--	--
	2024-12-26	11:00:00	46.0	--	--
	2024-12-26	12:00:00	44.9	--	--
	2024-12-26	13:00:00	43.1	--	--
	2024-12-26	14:00:00	43.7	--	--
	2024-12-26	15:00:00	39.8	--	--
	2024-12-26	16:00:00	47.2	--	--
	2024-12-26	17:00:00	40.3	--	--
	2024-12-26	18:00:00	39.6	43.8	--
	2024-12-27	09:00:00	45.7	--	--
	2024-12-27	10:00:00	46.0	--	--
	2024-12-27	11:00:00	46.4	--	--
	2024-12-27	12:00:00	44.6	--	--
	2024-12-27	13:00:00	43.6	--	--
	2024-12-27	14:00:00	43.9	--	--
	2024-12-27	15:00:00	45.6	--	--
	2024-12-27	16:00:00	43.0	--	--
	2024-12-27	17:00:00	42.5	--	--
	2024-12-27	18:00:00	42.1	44.6	--
	2024-12-28	09:00:00	41.9	--	--
	2024-12-28	10:00:00	43.2	--	--
	2024-12-28	11:00:00	43.7	--	--
	2024-12-28	12:00:00	42.5	--	--
	2024-12-28	13:00:00	45.5	43.5	--
	2024-12-29	09:00:00	46.8	44.5	--
	2024-12-30	10:00:00	46.0	--	--
	2024-12-30	11:00:00	49.1	--	--
	2024-12-30	12:00:00	45.3	--	--
	2024-12-30	13:00:00	46.6	--	--
	2024-12-30	14:00:00	45.6	--	--
	2024-12-30	15:00:00	47.4	--	--
	2024-12-30	16:00:00	44.7	--	--
	2024-12-30	17:00:00	47.6	--	--
	2024-12-30	18:00:00	44.5	46.6	--
	2024-12-31	09:00:00	45.1	--	--
	2024-12-31	10:00:00	45.3	--	--
	2024-12-31	11:00:00	46.3	--	--
	2024-12-31	12:00:00	48.2	--	--
	2024-12-31	13:00:00	48.6	--	--
	2024-12-31	14:00:00	48.8	--	--
	2024-12-31	15:00:00	48.1	--	--
	2024-12-31	16:00:00	47.8	--	--
	2024-12-31	17:00:00	48.5	--	--
	2024-12-31	18:00:00	48.5	47.7	--
	2025-01-01	09:00:00	55.3	--	--
	2025-01-01	10:00:00	54.3	--	--
	2025-01-01	11:00:00	53.9	--	--
	2025-01-01	12:00:00	55.7	--	--
	2025-01-01	13:00:00	52.5	--	--
	2025-01-01	14:00:00	51.9	--	--
	2025-01-01	15:00:00	52.3	--	--
	2025-01-01	16:00:00	52.0	--	--
	2025-01-01	17:00:00	49.2	--	--
	2025-01-01	18:00:00	46.2	53.0	--
	2025-01-02	09:00:00	46.4	--	--
	2025-01-02	10:00:00	45.7	--	--
	2025-01-02	11:00:00	59.4	--	--
	2025-01-02	12:00:00	45.3	--	--
	2025-01-02	13:00:00	45.3	--	--
	2025-01-02	14:00:00	45.8	--	--
	2025-01-02	15:00:00	44.2	--	--
	2025-01-02	16:00:00	44.5	--	--
	2025-01-02	17:00:00	43.9	--	--
	2025-01-02	18:00:00	44.0	50.7	--
	2025-01-03	09:00:00	43.9	--	--
	2025-01-03	10:00:00	45.6	--	--
	2025-01-03	11:00:00	49.8	--	--
	2025-01-03	12:00:00	46.5	--	--
	2025-01-03	13:00:00	45.8	--	--
	2025-01-03	14:00:00	43.6	--	--
	2025-01-03	15:00:00	44.4	--	--
	2025-01-03	16:00:00	46.6	--	--
	2025-01-03	17:00:00	45.2	--	--
	2025-01-03	18:00:00	47.4	46.3	--
	2025-01-04	09:00:00	43.3	--	--
	2025-01-04	10:00:00	42.8	--	--
	2025-01-04	11:00:00	42.8	--	--
	2025-01-04	12:00:00	44.2	--	--
	2025-01-04	13:00:00	49.1	45.2	--
	2025-01-05	09:00:00	61.8	50.0	--
	2025-01-06	10:00:00	64.9	--	--
	2025-01-06	11:00:00	68.1	--	--
	2025-01-06	12:00:00	65.6	--	--
	2025-01-06	13:00:00	64.1	--	--
	2025-01-06	14:00:00	64.8	--	--
	2025-01-06	15:00:00	66.4	--	--
	2025-01-06	16:00:00	67.5	--	--
	2025-01-06	17:00:00	65.6	--	--
	2025-01-06	18:00:00	56.9	65.4	--
	2025-01-07	09:00:00	65.6	--	--
	2025-01-07	10:00:00	67.4	--	--
	2025-01-07	11:00:00	65.3	--	--
	2025-01-07	12:00:00	64.2	--	--
	2025-01-07	13:00:00	63.5	--	--
	2025-01-07	14:00:00	63.5	--	--
	2025-01-07	15:00:00	65.8	--	--
	2025-01-07	16:00:00	63.7	--	--
	2025-01-07	17:00:00	64.2	--	--
	2025-01-07	18:00:00	59.0	64.6	--
	2025-01-08	09:00:00	66.8	--	--
	2025-01-08	10:00:00	67.7	--	--
	2025-01-08	11:00:00	64.5	--	--
	2025-01-08	12:00:00	66.8	--	--
	2025-01-08	13:00:00	66.5	--	--
	2025-01-08	14:00:00	61.2	--	--
	2025-01-08	15:00:00	64.8	--	--
	2025-01-08	16:00:00	62.0	--	--
	2025-01-08	17:00:00	63.9	--	--
	2025-01-08	18:00:00	51.9	65.0	--
	2025-01-09	09:00:00	63.9	--	--
	2025-01-09	10:00:00	68.3	--	--
	2025-01-09	11:00:00	67.3	--	--
	2025-01-09	12:00:00	63.5	--	--
	2025-01-09	13:00:00	61.0	--	--
	2025-01-09	14:00:00	70.6	--	--
	2025-01-09	15:00:00	69.3	--	--
	2025-01-09	16:00:00	64.1	--	--
	2025-01-09	17:00:00	64.7	--	--
	2025-01-09	18:00:00	54.0	66.4	--
	2025-01-10	09:00:00	68.4	--	--
	2025-01-10	10:00:00	67.9	--	--
	2025-01-10	11:00:00	66.4	--	--
	2025-01-10	12:00:00	71.3	--	--
	2025-01-10	13:00:00	65.7	--	--
	2025-01-10	14:00:00	71.8	--	--
	2025-01-10	15:00:00	68.2	--	--
	2025-01-10	16:00:00	65.6	--	--
	2025-01-10	17:00:00	69.1	--	--
	2025-01-10	18:00:00	60.5	68.4	--
	2025-01-11	09:00:00	46.1	--	--
	2025-01-11	10:00:00	45.5	--	--
	2025-01-11	11:00:00	44.8	--	--
	2025-01-11	12:00:00	46.9	--	--
	2025-01-11	13:00:00	45.8	--	45.9

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



The graph for the week commencing 6<sup>th</sup> January is provided on the next page



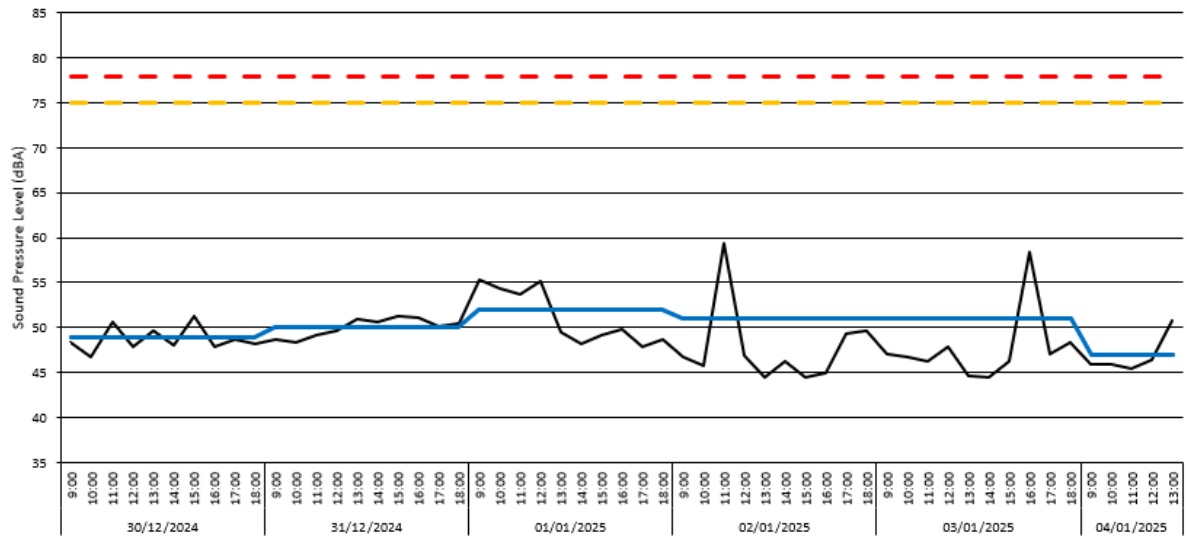
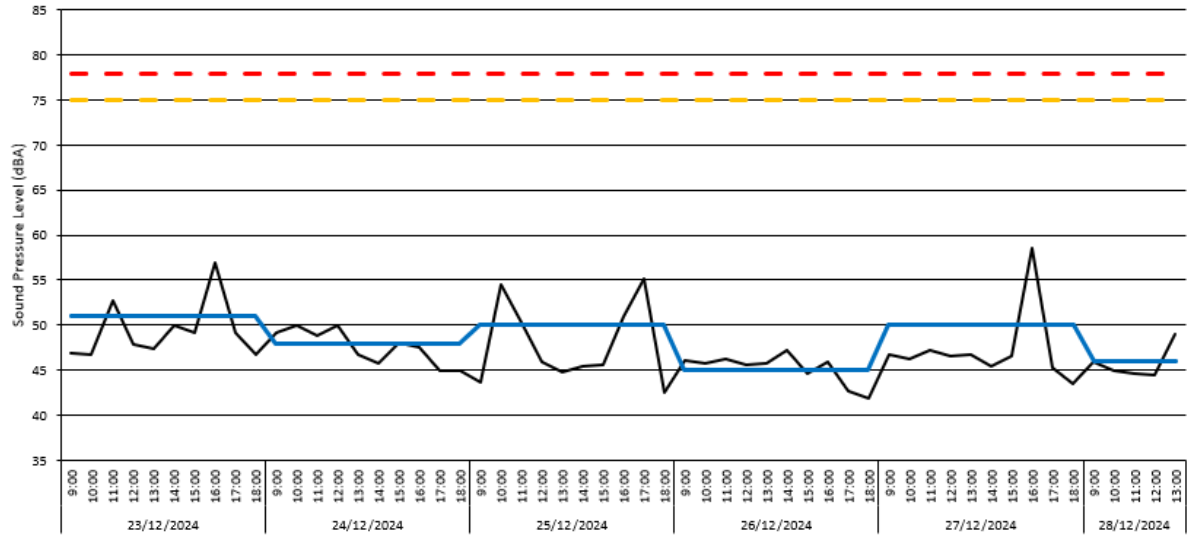
- Daily noise trigger level (75 dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- - - Hourly noise action level (78 dB LAeq, 1 hour)
- Noise level, LAeq, 1hour
- Daily noise level (dB LAeq,0800-1800 hours, LAeq,0800-1300 hours)
- Data unavailable

3.8 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report. No exceedances of the project daily or hourly noise trigger level of 75 dB and 78 dB LAeq,T were recorded during the monitoring period covered by this report.



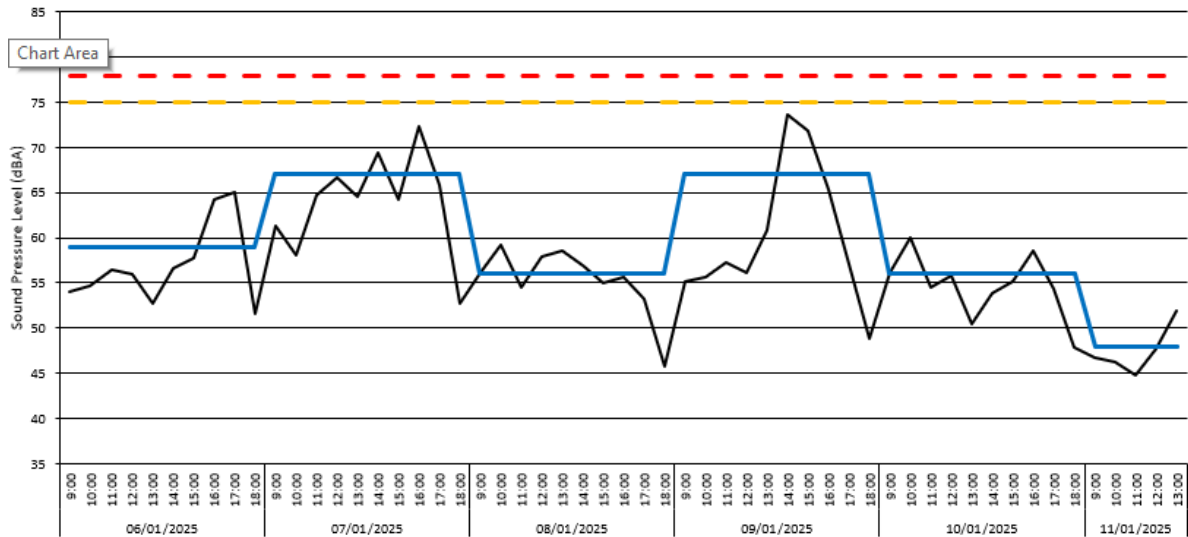


Location 3 (meter ref. P5DLY-N3J7A) – Time-history graph



- 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

The graph for the week commencing 6<sup>th</sup> January is provided on the next page



- 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

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

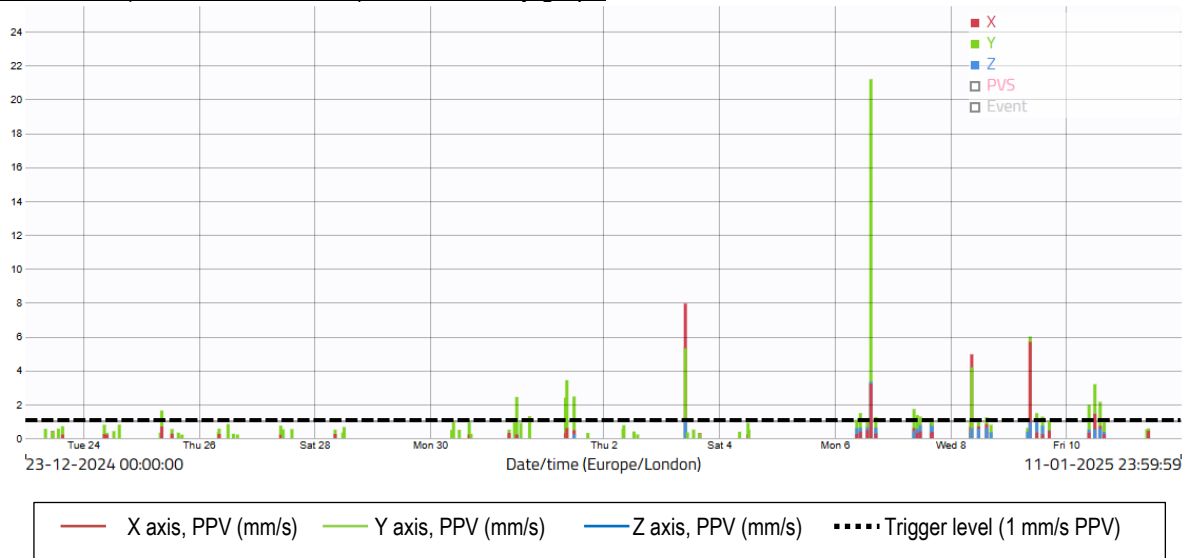
Location 1 (meter ref. PIJIVI)

- 3.11 The monitor was removed from site on Tuesday 19<sup>th</sup> November for its laboratory calibration. A site visit was carried out by Cass Allen on Friday 10<sup>th</sup> January. It was not possible to reinstall the vibration monitor at this location due to the site hoarding at this location needing to be repositioned. The monitors at this location are scheduled to be reinstalled during the week commencing 27<sup>th</sup> January.

Location 2 (meter ref. LEQUMO) – Raw data

Measuring point:	Period:	Order	Value	Date	Time	Order	Value	Date	Time	Order	Value	Date	Time
Holloway - L2	23/12/24 - 11/01/25	1	21.19	06/01/2025	15:00	31	1.51	09/01/2025	08:39	61	1.14	10/01/2025	10:52
		2	7.94	03/01/2025	09:58	32	1.50	10/01/2025	12:00	62	1.14	07/01/2025	11:06
Criteria mm/s PPV Exceedances		3	6.00	09/01/2025	09:07	33	1.48	06/01/2025	10:38	63	1.13	06/01/2025	16:56
1.0	87	4	5.69	09/01/2025	09:08	34	1.48	09/01/2025	11:52	64	1.12	01/01/2025	09:21
		5	4.95	08/01/2025	08:52	35	1.48	01/01/2025	09:35	65	1.12	01/01/2025	11:42
		6	3.43	01/01/2025	08:48	36	1.47	08/01/2025	09:08	66	1.11	06/01/2025	13:33
		7	3.19	10/01/2025	11:59	37	1.44	01/01/2025	10:21	67	1.11	01/01/2025	09:08
		8	2.79	03/01/2025	09:09	38	1.43	08/01/2025	10:31	68	1.10	07/01/2025	10:16
		9	2.64	09/01/2025	08:45	39	1.43	06/01/2025	10:01	69	1.10	09/01/2025	09:19
		10	2.53	09/01/2025	09:58	40	1.42	09/01/2025	08:37	70	1.10	10/01/2025	15:51
		11	2.46	01/01/2025	11:47	41	1.42	01/01/2025	08:56	71	1.09	07/01/2025	16:27
		12	2.43	31/12/2024	12:00	42	1.39	01/01/2025	08:11	72	1.09	06/01/2025	09:10
		13	2.39	01/01/2025	08:14	43	1.39	01/01/2025	12:07	73	1.08	08/01/2025	14:39
		14	2.30	09/01/2025	09:05	44	1.36	07/01/2025	10:15	74	1.08	08/01/2025	10:43
		15	2.30	09/01/2025	08:48	45	1.34	09/01/2025	11:08	75	1.07	07/01/2025	16:26
		16	2.21	08/01/2025	10:18	46	1.30	31/12/2024	17:17	76	1.07	31/12/2024	16:43
		17	2.17	10/01/2025	11:29	47	1.29	09/01/2025	08:34	77	1.06	09/01/2025	10:34
		18	2.15	09/01/2025	09:06	48	1.28	06/01/2025	10:53	78	1.06	08/01/2025	08:26
		19	2.14	10/01/2025	14:11	49	1.27	07/01/2025	11:28	79	1.05	06/01/2025	13:35
		20	1.96	10/01/2025	09:34	50	1.27	09/01/2025	09:04	80	1.05	08/01/2025	08:48
		21	1.90	01/01/2025	08:28	51	1.27	09/01/2025	14:16	81	1.04	01/01/2025	08:37
		22	1.79	01/01/2025	11:37	52	1.24	10/01/2025	08:18	82	1.04	01/01/2025	10:42
		23	1.72	07/01/2025	08:52	53	1.24	06/01/2025	17:02	83	1.02	08/01/2025	08:20
		24	1.69	09/01/2025	08:35	54	1.24	07/01/2025	09:42	84	1.01	08/01/2025	10:53
		25	1.68	09/01/2025	09:54	55	1.23	08/01/2025	15:01	85	1.01	07/01/2025	10:30
		26	1.68	01/01/2025	10:06	56	1.20	10/01/2025	13:50	86	1.01	08/01/2025	08:29
		27	1.64	25/12/2024	08:35	57	1.18	31/12/2024	11:05	87	1.00	31/12/2024	12:38
		28	1.61	08/01/2025	10:17	58	1.16	07/01/2025	15:51	88	1.00	01/01/2025	10:37
		29	1.54	06/01/2025	16:23	59	1.16	01/01/2025	10:00	89	0.99	08/01/2025	14:56
		30	1.53	01/01/2025	08:44	60	1.15	09/01/2025	08:40	90	0.99	08/01/2025	14:27

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



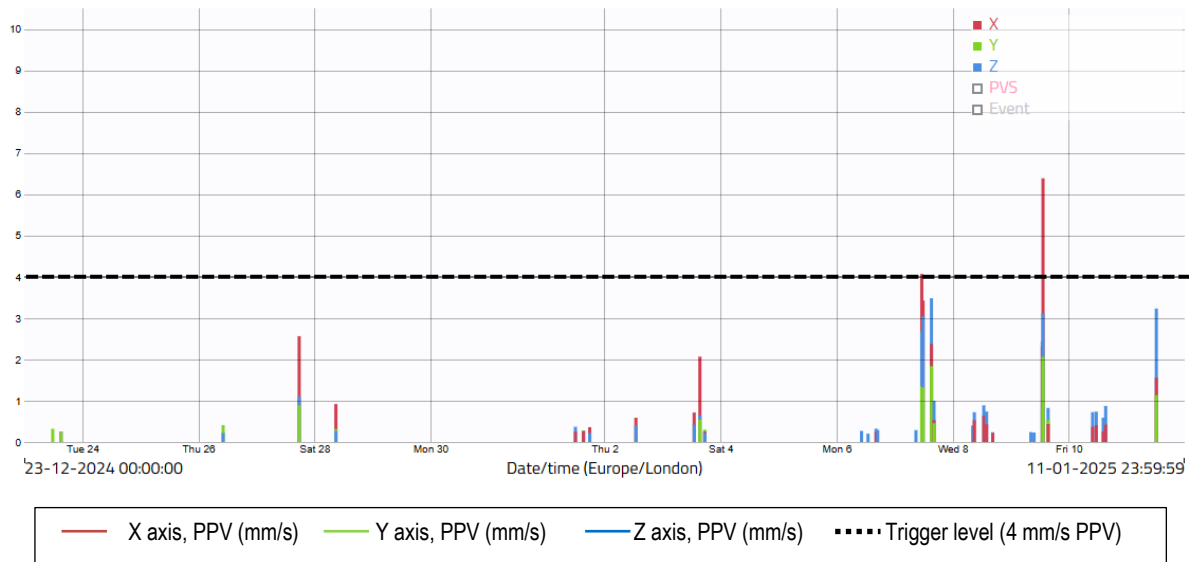
3.12 There were 87 exceedances of the project vibration trigger level of 1.0 mm/s PPV, as shown in the raw data and graph above. The highest level recorded occurred on Monday 6<sup>th</sup> January at 15:00, with a recorded level of 21.2 mm/s PPV.

3.13 This was a standalone exceedance, as it can be seen from the graph and the results table above that no other similar measured levels were recorded on the day. Therefore, it was likely not to have been caused by continuous construction activity at the location. It is possible the meter may have been knocked by a nearby site operative. The remaining exceedances at this location were likely caused by either the drainage installation, or the pile cap & beams installation, at Block E. This will continue to be monitored.

Location 3 (meter ref. RIYORU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	23/12/24 - 11/01/25	1	6.38	09/01/2025	13:22
		2	5.77	09/01/2025	13:23
Criteria mm/s PPV Exceedances		3	4.07	07/01/2025	11:14
4.0	3	4	3.81	09/01/2025	13:18
		5	3.74	09/01/2025	13:21
		6	3.58	07/01/2025	11:09
		7	3.48	07/01/2025	15:14
		8	3.43	07/01/2025	11:43
		9	3.35	09/01/2025	13:24
		10	3.23	10/01/2025	16:51

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



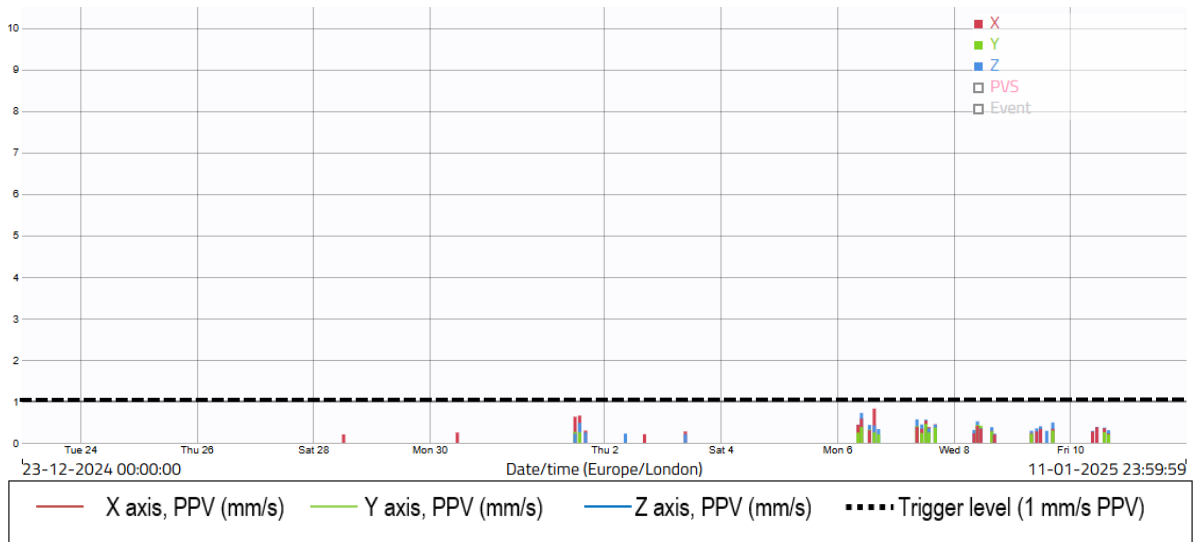
3.14 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above.

3.15 The highest level recorded was on Thursday 9<sup>th</sup> January at 13:22, with a recorded level of 6.4 mm/s PPV. The exceedances at this location were likely to have been caused by the movement of site vehicles in the vicinity of the vibration sensor. This will continue to be monitored.

Location 4 (meter ref. TEJELU) – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	23/12/24 - 11/01/25	1	0.82	06/01/2025	15:18
		2	0.72	06/01/2025	10:25
Criteria mm/s PPV Exceedances		3	0.66	01/01/2025	13:52
1.0	0	4	0.63	31/12/2024	14:05
		5	0.61	06/01/2025	10:26
		6	0.57	07/01/2025	08:46
		7	0.56	07/01/2025	12:35
		8	0.54	07/01/2025	13:19
		9	0.52	06/01/2025	10:01
		10	0.52	08/01/2025	09:49

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 during the monitoring period covered by this report.