

Holloway Park, London

Construction Monitoring Report

Client: London Square
Ref: CM88-22405-R0
Date: 27 August 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 5th & Saturday 17th August 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. WEEKLY 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

- Working on drainage at Gates 2 and near welfare and further into the site
- Installation of drainage adjacent to Block D
- Excavation of pilecaps in Blocks C & D
- Excavation of the crane base between Blocks E1 & E2
- Muck away works (i.e. the process of removing waste material, debris, and soil)
- Mobile plant used around the site where required
- Temporary surface installation at the haulage road

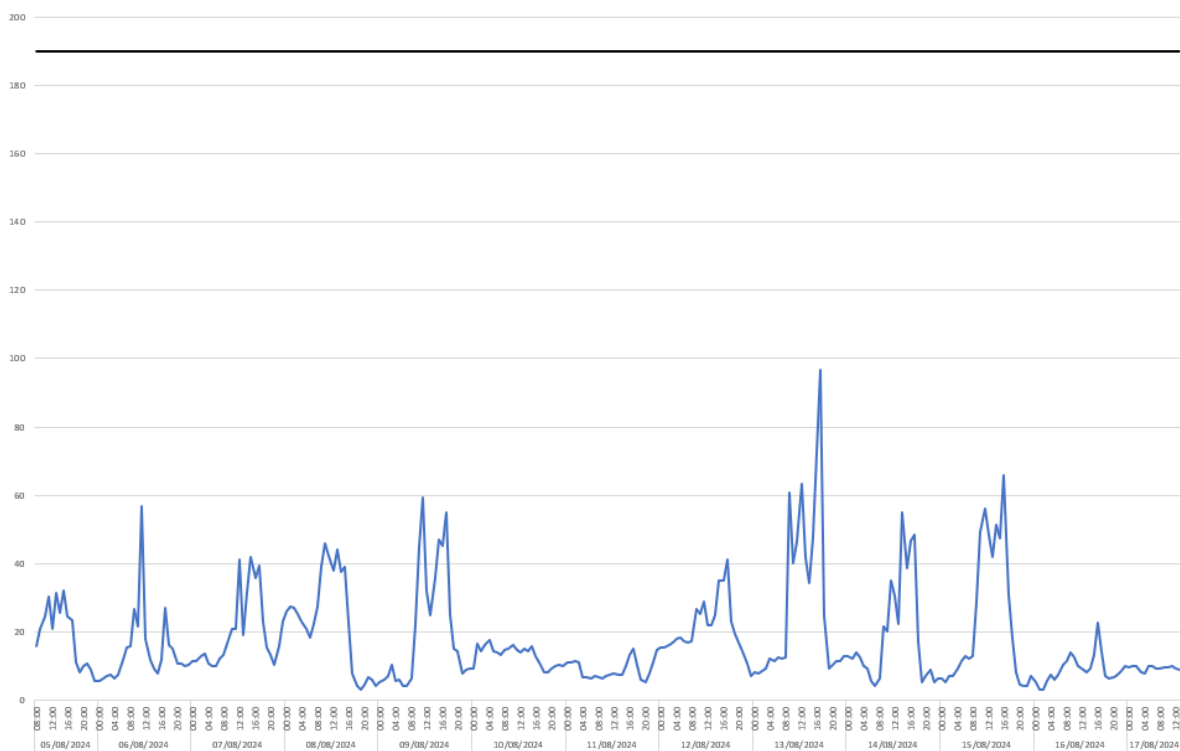
- Installing the lower ground slab at Blocks C & D3.

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

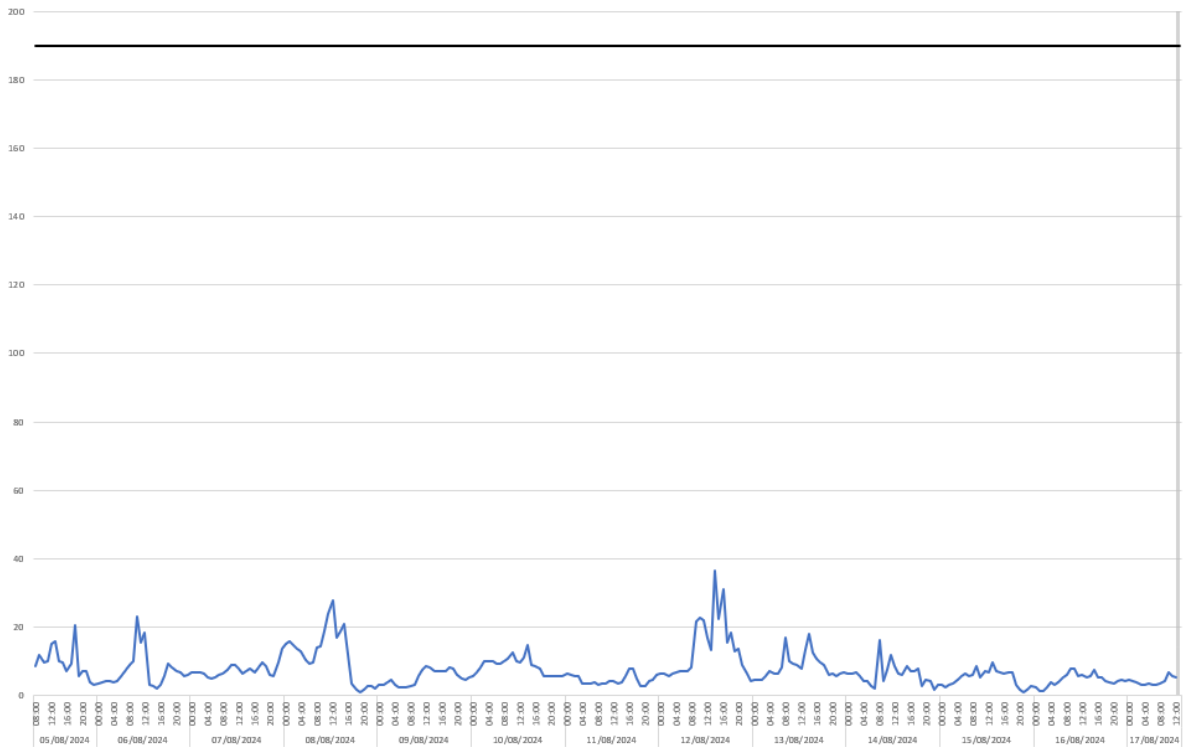


- Dust trigger level, 190 $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
- Dust level, $\mu\text{g m}^{-3}$ 60-minute mean for PM10 concentrations
- Data unavailable

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.

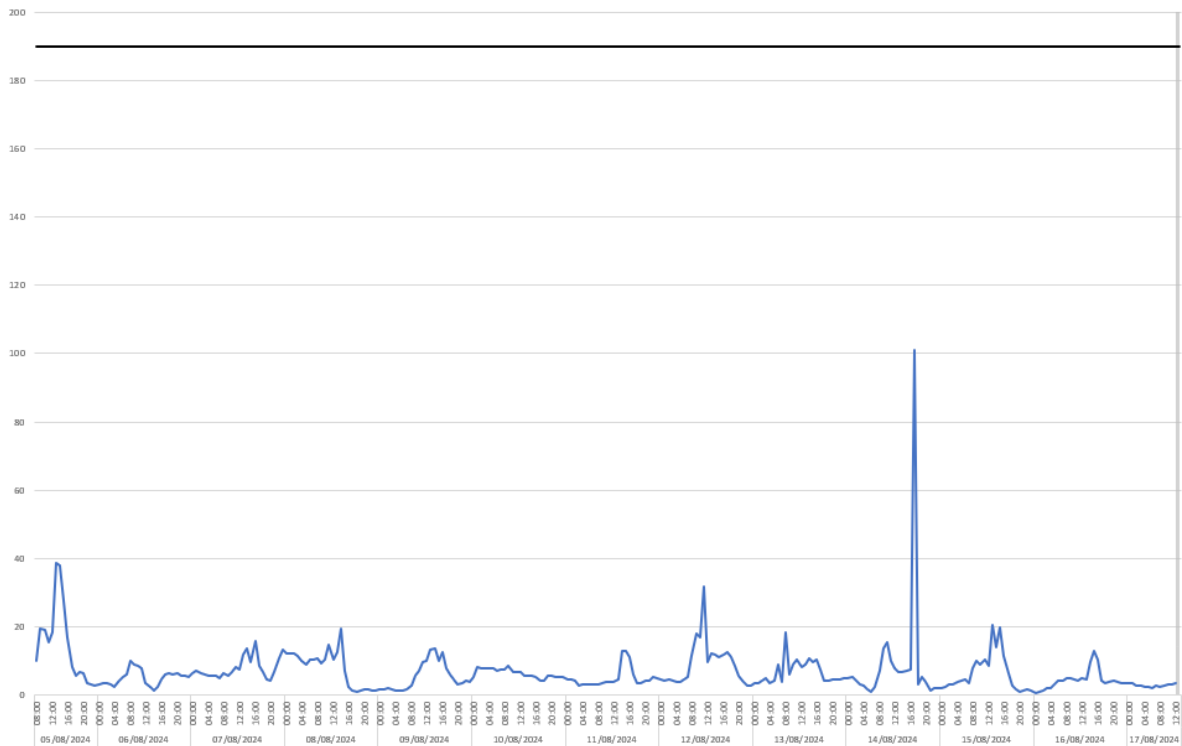
Location 2



- 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 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report.
- 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.

Location 3



- 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

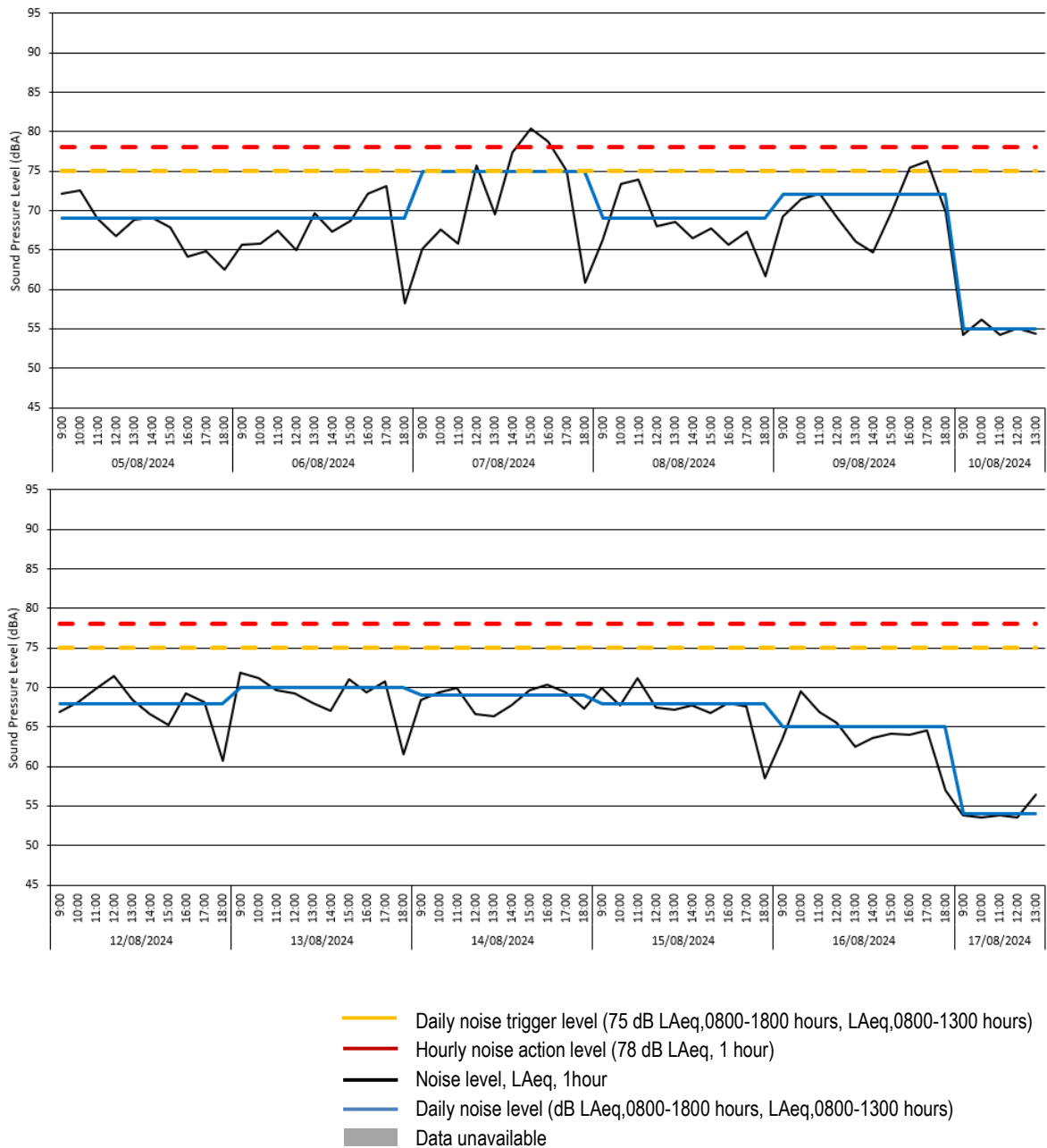
- 3.6 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.
- 3.7 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

Noise Monitoring Results

Location 1 – Raw Data

# Broadband Results		LAeq(60min)	LAeq(7hr)	LAeq(10hr)	LAeq(5hr)
Date	Time	[dB]	[dB]	[dB]	[dB]
[YYYY-MM-DD]	[hh:mm:ss]				
2024-08-05	09:00:00	72.2	..	..	..
2024-08-05	10:00:00	72.5	..	..	..
2024-08-05	11:00:00	69.0	..	..	..
2024-08-05	12:00:00	66.8	..	..	..
2024-08-05	13:00:00	68.8	..	..	..
2024-08-05	14:00:00	69.1	..	..	..
2024-08-05	15:00:00	67.9	..	..	..
2024-08-05	16:00:00	64.1	..	..	..
2024-08-05	17:00:00	64.8	..	..	..
2024-08-05	18:00:00	62.5	..	68.8	..
2024-08-06	09:00:00	65.7	..	..	..
2024-08-06	10:00:00	65.8	..	..	..
2024-08-06	11:00:00	67.4	..	..	..
2024-08-06	12:00:00	65.0	..	..	..
2024-08-06	13:00:00	69.6	..	..	..
2024-08-06	14:00:00	67.3	..	..	..
2024-08-06	15:00:00	68.7	..	..	..
2024-08-06	16:00:00	72.1	..	..	..
2024-08-06	17:00:00	73.1	..	..	..
2024-08-06	18:00:00	58.2	..	68.8	..
2024-08-07	09:00:00	65.1	..	..	..
2024-08-07	10:00:00	67.6	..	..	..
2024-08-07	11:00:00	65.8	..	..	..
2024-08-07	12:00:00	75.7	..	..	..
2024-08-07	13:00:00	69.5	..	..	..
2024-08-07	14:00:00	77.4	..	..	..
2024-08-07	15:00:00	80.4	..	..	..
2024-08-07	16:00:00	78.8	..	..	..
2024-08-07	17:00:00	75.0	..	..	..
2024-08-07	18:00:00	60.8	..	75.2	..
2024-08-08	09:00:00	66.2	..	..	..
2024-08-08	10:00:00	73.4	..	..	..
2024-08-08	11:00:00	73.9	..	..	..
2024-08-08	12:00:00	68.0	..	..	..
2024-08-08	13:00:00	68.5	..	..	..
2024-08-08	14:00:00	66.5	..	..	..
2024-08-08	15:00:00	67.7	..	..	..
2024-08-08	16:00:00	65.6	..	..	..
2024-08-08	17:00:00	67.3	..	..	..
2024-08-08	18:00:00	61.7	..	69.3	..
2024-08-09	09:00:00	69.3	..	..	..
2024-08-09	10:00:00	71.5	..	..	..
2024-08-09	11:00:00	72.1	..	..	..
2024-08-09	12:00:00	69.1	..	..	..
2024-08-09	13:00:00	66.1	..	..	..
2024-08-09	14:00:00	64.7	..	..	..
2024-08-09	15:00:00	69.8	..	..	..
2024-08-09	16:00:00	75.4	..	..	..
2024-08-09	17:00:00	76.2	..	..	..
2024-08-09	18:00:00	69.8	..	71.7	..
2024-08-10	09:00:00	54.3	..	..	..
2024-08-10	10:00:00	56.2	..	..	..
2024-08-10	11:00:00	54.2	..	..	..
2024-08-10	12:00:00	55.1	..	..	..
2024-08-10	13:00:00	54.4	..	..	54.9
2024-08-11	18:00:00	..	..	55.0	..
2024-08-12	09:00:00	66.9	..	..	..
2024-08-12	10:00:00	68.1	..	..	..
2024-08-12	11:00:00	69.8	..	..	..
2024-08-12	12:00:00	71.5	..	..	..
2024-08-12	13:00:00	68.4	..	..	..
2024-08-12	14:00:00	66.6	..	..	..
2024-08-12	15:00:00	65.2	..	..	..
2024-08-12	16:00:00	69.2	..	..	..
2024-08-12	17:00:00	68.1	..	..	..
2024-08-12	18:00:00	60.7	..	68.2	..
2024-08-13	09:00:00	71.8	..	..	..
2024-08-13	10:00:00	71.2	..	..	..
2024-08-13	11:00:00	69.7	..	..	..
2024-08-13	12:00:00	69.2	..	..	..
2024-08-13	13:00:00	68.0	..	..	..
2024-08-13	14:00:00	67.0	..	..	..
2024-08-13	15:00:00	71.0	..	..	..
2024-08-13	16:00:00	69.4	..	..	..
2024-08-13	17:00:00	70.7	..	..	..
2024-08-13	18:00:00	61.6	..	69.6	..
2024-08-14	09:00:00	68.4	..	..	..
2024-08-14	10:00:00	69.4	..	..	..
2024-08-14	11:00:00	69.9	..	..	..
2024-08-14	12:00:00	66.6	..	..	..
2024-08-14	13:00:00	66.4	..	..	..
2024-08-14	14:00:00	67.7	..	..	..
2024-08-14	15:00:00	69.6	..	..	..
2024-08-14	16:00:00	70.3	..	..	..
2024-08-14	17:00:00	69.4	..	..	..
2024-08-14	18:00:00	67.3	..	68.7	..
2024-08-15	09:00:00	69.9	..	..	..
2024-08-15	10:00:00	67.7	..	..	..
2024-08-15	11:00:00	71.2	..	..	..
2024-08-15	12:00:00	67.4	..	..	..
2024-08-15	13:00:00	67.2	..	..	..
2024-08-15	14:00:00	67.7	..	..	..
2024-08-15	15:00:00	66.7	..	..	..
2024-08-15	16:00:00	68.0	..	..	..
2024-08-15	17:00:00	67.6	..	..	..
2024-08-15	18:00:00	58.5	..	68.0	..
2024-08-16	09:00:00	63.5	..	..	..
2024-08-16	10:00:00	69.5	..	..	..
2024-08-16	11:00:00	66.9	..	..	..
2024-08-16	12:00:00	65.5	..	..	..
2024-08-16	13:00:00	62.5	..	..	..
2024-08-16	14:00:00	63.6	..	..	..
2024-08-16	15:00:00	64.2	..	..	..
2024-08-16	16:00:00	64.0	..	..	..
2024-08-16	17:00:00	64.5	..	..	..
2024-08-16	18:00:00	57.0	..	65.1	..
2024-08-17	09:00:00	53.8	..	..	..
2024-08-17	10:00:00	53.5	..	..	..
2024-08-17	11:00:00	53.8	..	..	..
2024-08-17	12:00:00	53.5	..	..	..
2024-08-17	13:00:00	56.4	..	..	54.3

Location 1 – Time History Data

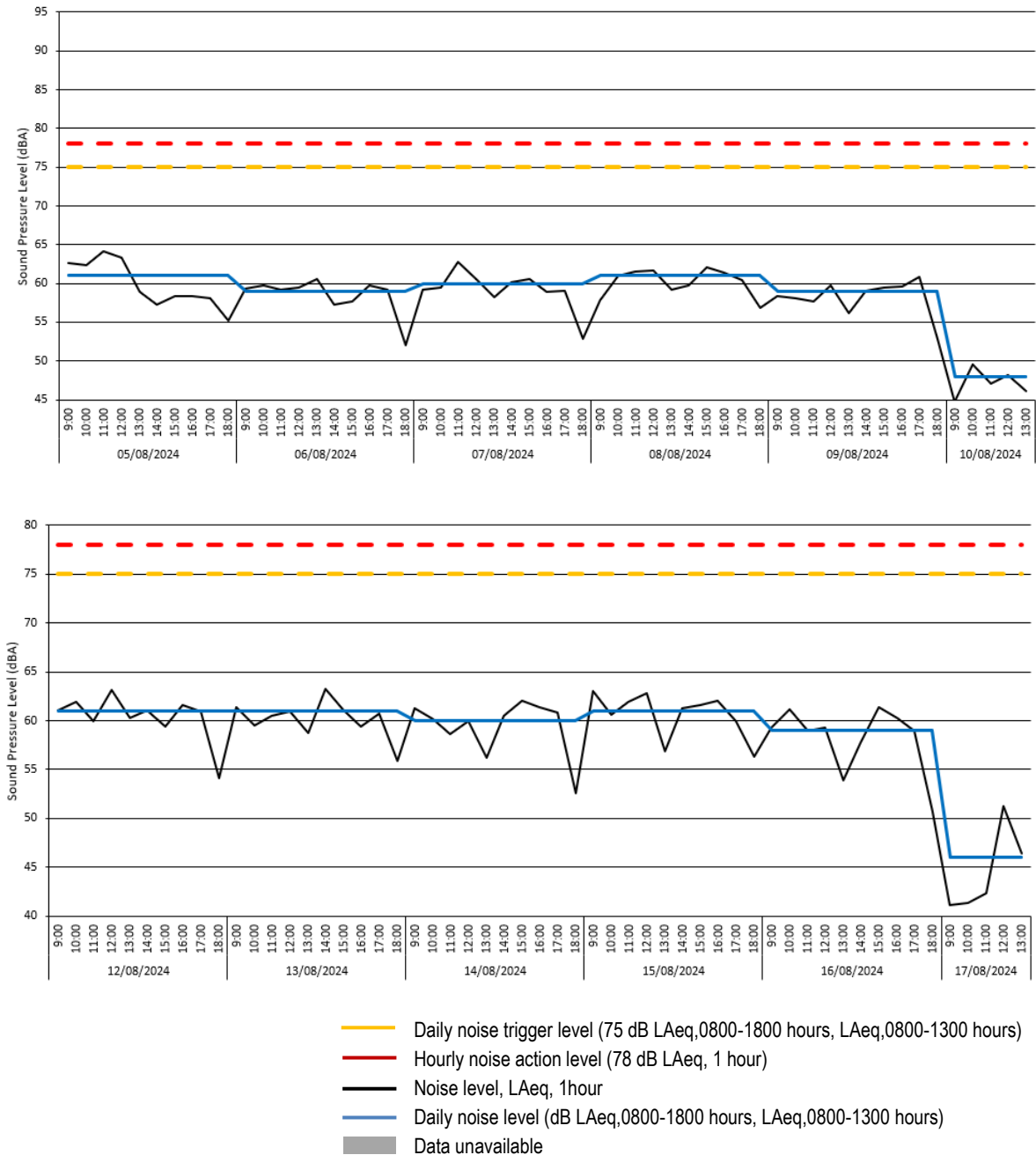


3.8 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. Two exceedances of the project hourly noise action level of 78 dB LAeq as recorded during the monitoring period covered by this report. These occurred between 14:00 and 16:00 on Wednesday 7th August, with a measured noise level of 80 and 79 dB LAeq, 1hr. Based on the activities taking place over the course of the monitoring period, it is likely this was caused by either the excavation of pilecaps at Block C, or the installation of the lower ground slab at Block C. This will continue to be monitored. There was one exceedance of the daily project noise limit of 75 dB LAeq (0800-1800 hours) at this location during the monitoring period covered by this report. This also occurred on Wednesday 7th August, with a measured noise level of 75.2 dB LAeq, 10hrs.

Location 2 – Raw Data

# Broadband Results	Date [YYYY-MM-DD]	Time [hh:mm:ss]	LReq(60min) [dB]	LReq(10hr) [dB]	LReq(5hr) [dB]
	2024-08-05	09:00:00	62.7	-	-
	2024-08-05	10:00:00	62.4	-	-
	2024-08-05	11:00:00	64.2	-	-
	2024-08-05	12:00:00	63.3	-	-
	2024-08-05	13:00:00	58.9	-	-
	2024-08-05	14:00:00	57.3	-	-
	2024-08-05	15:00:00	58.3	-	-
	2024-08-05	16:00:00	58.4	-	-
	2024-08-05	17:00:00	58.1	-	-
	2024-08-05	18:00:00	55.2	60.8	-
	2024-08-06	09:00:00	59.3	-	-
	2024-08-06	10:00:00	59.8	-	-
	2024-08-06	11:00:00	59.2	-	-
	2024-08-06	12:00:00	59.5	-	-
	2024-08-06	13:00:00	60.5	-	-
	2024-08-06	14:00:00	57.3	-	-
	2024-08-06	15:00:00	57.7	-	-
	2024-08-06	16:00:00	59.8	-	-
	2024-08-06	17:00:00	59.2	-	-
	2024-08-06	18:00:00	52.0	58.9	-
	2024-08-07	09:00:00	59.2	-	-
	2024-08-07	10:00:00	59.4	-	-
	2024-08-07	11:00:00	62.8	-	-
	2024-08-07	12:00:00	60.6	-	-
	2024-08-07	13:00:00	58.2	-	-
	2024-08-07	14:00:00	60.2	-	-
	2024-08-07	15:00:00	60.6	-	-
	2024-08-07	16:00:00	58.9	-	-
	2024-08-07	17:00:00	59.0	-	-
	2024-08-07	18:00:00	52.9	59.7	-
	2024-08-08	09:00:00	57.8	-	-
	2024-08-08	10:00:00	61.0	-	-
	2024-08-08	11:00:00	61.5	-	-
	2024-08-08	12:00:00	61.7	-	-
	2024-08-08	13:00:00	59.2	-	-
	2024-08-08	14:00:00	59.8	-	-
	2024-08-08	15:00:00	62.1	-	-
	2024-08-08	16:00:00	61.4	-	-
	2024-08-08	17:00:00	60.4	-	-
	2024-08-08	18:00:00	56.9	60.5	-
	2024-08-09	09:00:00	58.4	-	-
	2024-08-09	10:00:00	58.1	-	-
	2024-08-09	11:00:00	57.7	-	-
	2024-08-09	12:00:00	59.7	-	-
	2024-08-09	13:00:00	56.2	-	-
	2024-08-09	14:00:00	59.0	-	-
	2024-08-09	15:00:00	59.5	-	-
	2024-08-09	16:00:00	59.6	-	-
	2024-08-09	17:00:00	60.8	-	-
	2024-08-09	18:00:00	52.8	58.6	-
	2024-08-10	09:00:00	44.7	-	-
	2024-08-10	10:00:00	49.6	-	-
	2024-08-10	11:00:00	47.1	-	-
	2024-08-10	12:00:00	48.2	-	-
	2024-08-10	13:00:00	46.1	-	47.5
	2024-08-11	18:00:00	-	46.6	-
	2024-08-12	09:00:00	61.1	-	-
	2024-08-12	10:00:00	61.9	-	-
	2024-08-12	11:00:00	60.0	-	-
	2024-08-12	12:00:00	63.1	-	-
	2024-08-12	13:00:00	60.3	-	-
	2024-08-12	14:00:00	61.1	-	-
	2024-08-12	15:00:00	59.4	-	-
	2024-08-12	16:00:00	61.6	-	-
	2024-08-12	17:00:00	60.9	-	-
	2024-08-12	18:00:00	54.1	60.8	-
	2024-08-13	09:00:00	61.4	-	-
	2024-08-13	10:00:00	59.5	-	-
	2024-08-13	11:00:00	60.5	-	-
	2024-08-13	12:00:00	60.9	-	-
	2024-08-13	13:00:00	58.7	-	-
	2024-08-13	14:00:00	63.2	-	-
	2024-08-13	15:00:00	61.1	-	-
	2024-08-13	16:00:00	59.4	-	-
	2024-08-13	17:00:00	60.7	-	-
	2024-08-13	18:00:00	55.9	60.5	-
	2024-08-14	09:00:00	61.3	-	-
	2024-08-14	10:00:00	60.2	-	-
	2024-08-14	11:00:00	58.6	-	-
	2024-08-14	12:00:00	60.0	-	-
	2024-08-14	13:00:00	56.2	-	-
	2024-08-14	14:00:00	60.5	-	-
	2024-08-14	15:00:00	62.0	-	-
	2024-08-14	16:00:00	61.4	-	-
	2024-08-14	17:00:00	60.8	-	-
	2024-08-14	18:00:00	52.6	60.0	-
	2024-08-15	09:00:00	63.0	-	-
	2024-08-15	10:00:00	60.6	-	-
	2024-08-15	11:00:00	61.9	-	-
	2024-08-15	12:00:00	62.8	-	-
	2024-08-15	13:00:00	56.9	-	-
	2024-08-15	14:00:00	61.3	-	-
	2024-08-15	15:00:00	61.6	-	-
	2024-08-15	16:00:00	62.0	-	-
	2024-08-15	17:00:00	59.9	-	-
	2024-08-15	18:00:00	56.3	61.1	-
	2024-08-16	09:00:00	59.3	-	-
	2024-08-16	10:00:00	61.2	-	-
	2024-08-16	11:00:00	59.0	-	-
	2024-08-16	12:00:00	59.3	-	-
	2024-08-16	13:00:00	53.9	-	-
	2024-08-16	14:00:00	57.7	-	-
	2024-08-16	15:00:00	61.4	-	-
	2024-08-16	16:00:00	60.3	-	-
	2024-08-16	17:00:00	59.0	-	-
	2024-08-16	18:00:00	50.7	59.0	-
	2024-08-17	09:00:00	41.1	-	-
	2024-08-17	10:00:00	41.3	-	-
	2024-08-17	11:00:00	42.3	-	-
	2024-08-17	12:00:00	51.2	-	-
	2024-08-17	13:00:00	46.4	-	46.4

Location 2 – Time History Data



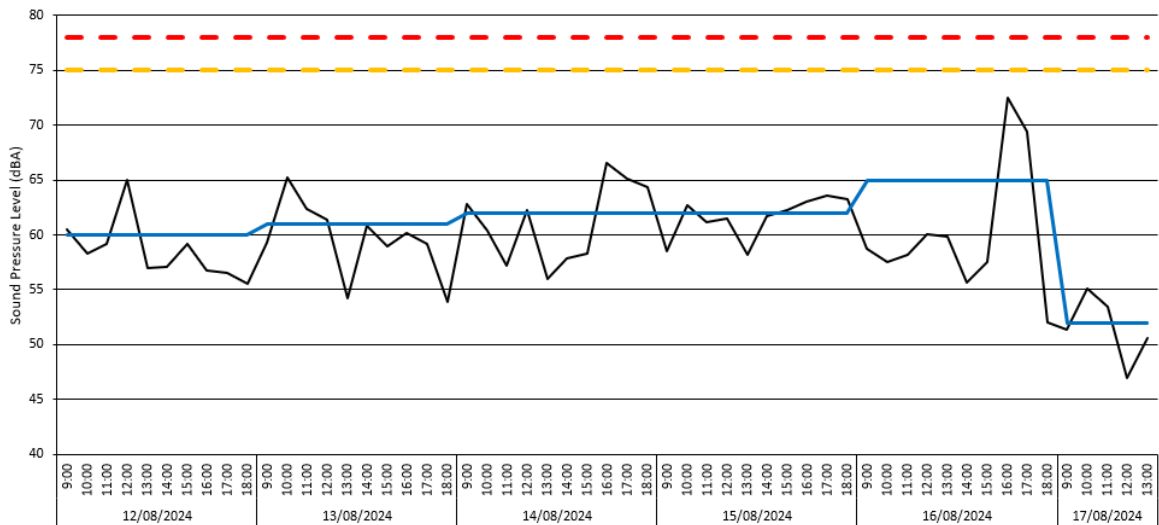
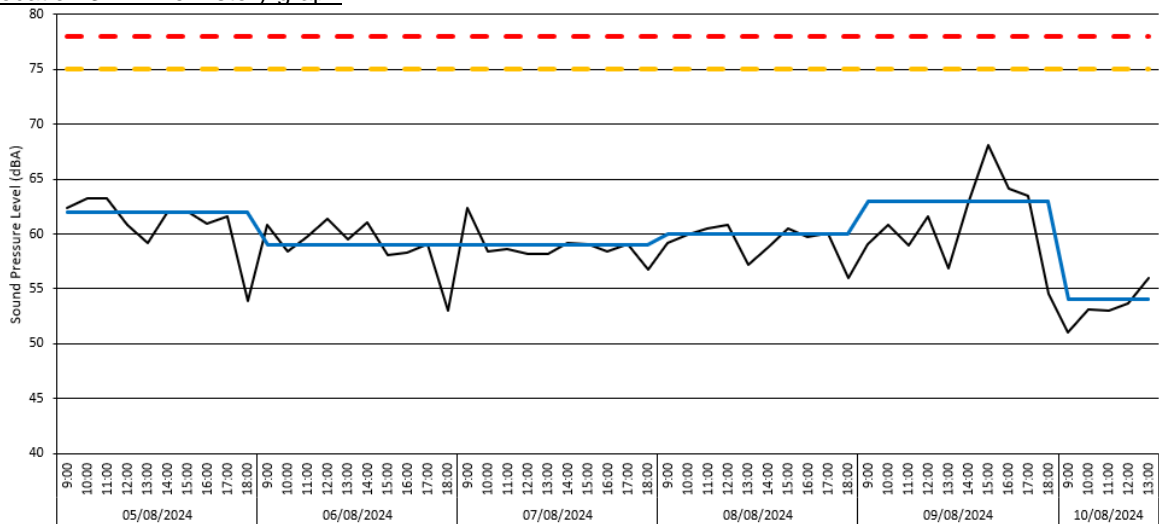
3.9 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report.

3.10 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 – Raw Data

# broadband results	Date [YYYY-MM-DD]	Time [hh:mm:ss]	L _{Aeq} (60min) [dB]	L _{Aeq} (10hr) [dB]	L _{Aeq} (5hr) [dB]
	2024-08-05	09:00:00	62.4	--	--
	2024-08-05	10:00:00	63.3	--	--
	2024-08-05	11:00:00	63.3	--	--
	2024-08-05	12:00:00	60.8	--	--
	2024-08-05	13:00:00	59.2	--	--
	2024-08-05	14:00:00	61.9	--	--
	2024-08-05	15:00:00	62.0	--	--
	2024-08-05	16:00:00	60.9	--	--
	2024-08-05	17:00:00	61.6	--	--
	2024-08-05	18:00:00	53.9	61.5	--
	2024-08-06	09:00:00	60.8	--	--
	2024-08-06	10:00:00	58.4	--	--
	2024-08-06	11:00:00	59.7	--	--
	2024-08-06	12:00:00	61.4	--	--
	2024-08-06	13:00:00	59.5	--	--
	2024-08-06	14:00:00	61.1	--	--
	2024-08-06	15:00:00	58.1	--	--
	2024-08-06	16:00:00	58.3	--	--
	2024-08-06	17:00:00	59.1	--	--
	2024-08-06	18:00:00	53.0	59.4	--
	2024-08-07	09:00:00	62.4	--	--
	2024-08-07	10:00:00	58.4	--	--
	2024-08-07	11:00:00	58.6	--	--
	2024-08-07	12:00:00	58.2	--	--
	2024-08-07	13:00:00	58.2	--	--
	2024-08-07	14:00:00	59.2	--	--
	2024-08-07	15:00:00	59.1	--	--
	2024-08-07	16:00:00	58.4	--	--
	2024-08-07	17:00:00	59.1	--	--
	2024-08-07	18:00:00	56.7	59.1	--
	2024-08-08	09:00:00	59.2	--	--
	2024-08-08	10:00:00	60.0	--	--
	2024-08-08	11:00:00	60.5	--	--
	2024-08-08	12:00:00	60.8	--	--
	2024-08-08	13:00:00	57.2	--	--
	2024-08-08	14:00:00	58.7	--	--
	2024-08-08	15:00:00	60.5	--	--
	2024-08-08	16:00:00	59.7	--	--
	2024-08-08	17:00:00	60.1	--	--
	2024-08-08	18:00:00	56.0	59.5	--
	2024-08-09	09:00:00	59.1	--	--
	2024-08-09	10:00:00	60.8	--	--
	2024-08-09	11:00:00	59.0	--	--
	2024-08-09	12:00:00	61.6	--	--
	2024-08-09	13:00:00	56.9	--	--
	2024-08-09	14:00:00	62.7	--	--
	2024-08-09	15:00:00	68.1	--	--
	2024-08-09	16:00:00	64.1	--	--
	2024-08-09	17:00:00	63.5	--	--
	2024-08-09	18:00:00	54.5	62.6	--
	2024-08-10	09:00:00	51.0	--	--
	2024-08-10	10:00:00	53.1	--	--
	2024-08-10	11:00:00	53.0	--	--
	2024-08-10	12:00:00	53.7	--	--
	2024-08-10	13:00:00	56.0	--	53.7
	2024-08-11	18:00:00	--	49.3	--
	2024-08-12	09:00:00	60.5	--	--
	2024-08-12	10:00:00	58.3	--	--
	2024-08-12	11:00:00	59.2	--	--
	2024-08-12	12:00:00	65.0	--	--
	2024-08-12	13:00:00	57.0	--	--
	2024-08-12	14:00:00	57.1	--	--
	2024-08-12	15:00:00	59.2	--	--
	2024-08-12	16:00:00	56.7	--	--
	2024-08-12	17:00:00	56.5	--	--
	2024-08-12	18:00:00	55.5	59.5	--
	2024-08-13	09:00:00	59.3	--	--
	2024-08-13	10:00:00	65.2	--	--
	2024-08-13	11:00:00	62.4	--	--
	2024-08-13	12:00:00	61.4	--	--
	2024-08-13	13:00:00	54.2	--	--
	2024-08-13	14:00:00	60.8	--	--
	2024-08-13	15:00:00	58.9	--	--
	2024-08-13	16:00:00	60.2	--	--
	2024-08-13	17:00:00	59.2	--	--
	2024-08-13	18:00:00	53.9	60.6	--
	2024-08-14	09:00:00	62.8	--	--
	2024-08-14	10:00:00	60.4	--	--
	2024-08-14	11:00:00	57.2	--	--
	2024-08-14	12:00:00	62.3	--	--
	2024-08-14	13:00:00	56.0	--	--
	2024-08-14	14:00:00	57.8	--	--
	2024-08-14	15:00:00	58.3	--	--
	2024-08-14	16:00:00	66.6	--	--
	2024-08-14	17:00:00	65.1	--	--
	2024-08-14	18:00:00	64.3	62.4	--
	2024-08-15	09:00:00	58.5	--	--
	2024-08-15	10:00:00	62.7	--	--
	2024-08-15	11:00:00	61.2	--	--
	2024-08-15	12:00:00	61.5	--	--
	2024-08-15	13:00:00	58.2	--	--
	2024-08-15	14:00:00	61.7	--	--
	2024-08-15	15:00:00	62.3	--	--
	2024-08-15	16:00:00	63.0	--	--
	2024-08-15	17:00:00	63.6	--	--
	2024-08-15	18:00:00	63.2	61.9	--
	2024-08-16	09:00:00	58.7	--	--
	2024-08-16	10:00:00	57.5	--	--
	2024-08-16	11:00:00	58.2	--	--
	2024-08-16	12:00:00	60.1	--	--
	2024-08-16	13:00:00	59.8	--	--
	2024-08-16	14:00:00	55.7	--	--
	2024-08-16	15:00:00	57.5	--	--
	2024-08-16	16:00:00	72.5	--	--
	2024-08-16	17:00:00	69.4	--	--
	2024-08-16	18:00:00	52.0	65.0	--
	2024-08-17	09:00:00	51.3	--	--
	2024-08-17	10:00:00	55.1	--	--
	2024-08-17	11:00:00	53.5	--	--
	2024-08-17	12:00:00	47.0	--	--
	2024-08-17	13:00:00	50.6	--	52.3

Location 3 – 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

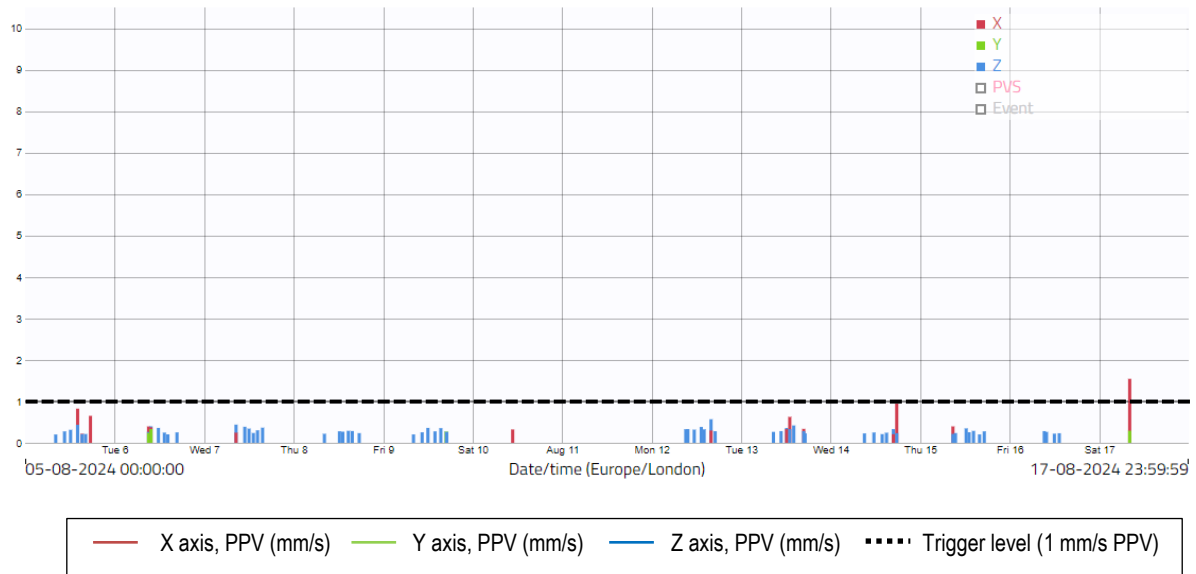
- 3.11 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.
- 3.12 No exceedances of the project hourly noise criteria of 78 dB LAeq nor the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report.

Vibration Monitoring Results

Location 1 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	05/08/2024 to 17/08/2024	1	1.54	16/08/2024	13:18
		2	0.96	14/08/2024	17:02
Criteria mm/s PPV Exceedances		3	0.82	05/08/2024	13:39
1.0	1	4	0.65	05/08/2024	16:52
		5	0.62	13/08/2024	12:22
		6	0.57	12/08/2024	15:54
		7	0.47	12/08/2024	15:56
		8	0.44	07/08/2024	08:29
		9	0.44	05/08/2024	12:11
		10	0.42	13/08/2024	14:05

Location 1 – Time-history graph



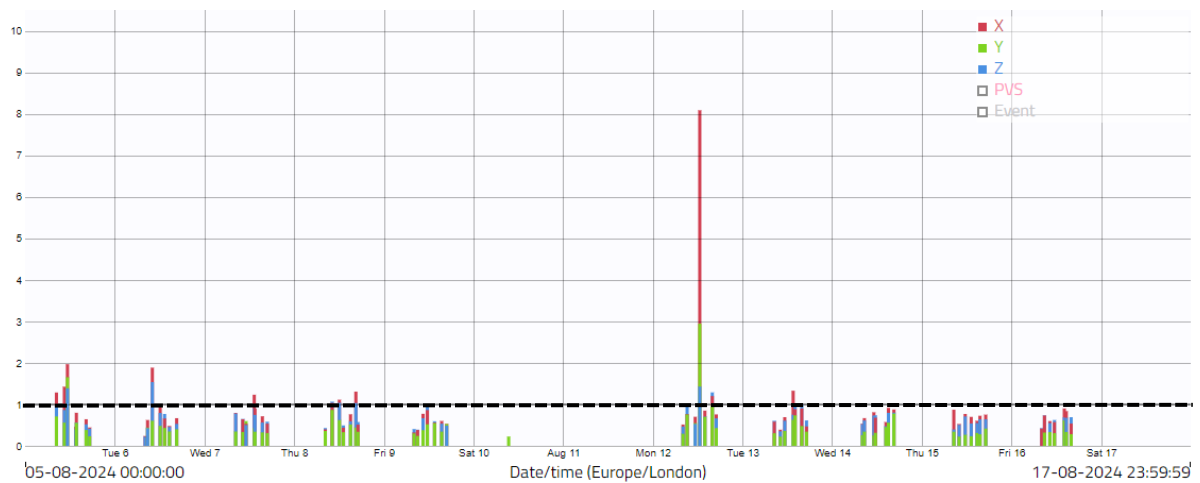
3.13 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. There was one exceedance of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Friday 16th August at 13:18, with a recorded level of 1.5 mm/s PPV. It is worth noting that this was an isolated incident, with a relatively low level recorded. Therefore, it was not likely to have been caused by continuous construction work within the vicinity.

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 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L2	05/08/2024 to 17/08/2024	1	8.08	12/08/2024	12:33
		2	4.92	12/08/2024	12:25
Criteria mm/s PPV	Exceedances	3	4.78	12/08/2024	12:27
		4	1.97	05/08/2024	11:19
1.0	27	5	1.88	06/08/2024	09:52
		6	1.82	06/08/2024	10:02
		7	1.78	06/08/2024	10:01
		8	1.42	05/08/2024	10:30
		9	1.38	06/08/2024	09:56
		10	1.33	13/08/2024	13:34
		11	1.32	06/08/2024	10:04
		12	1.31	08/08/2024	16:31
		13	1.30	06/08/2024	09:55
		14	1.29	12/08/2024	15:55
		15	1.28	05/08/2024	08:22
		16	1.27	05/08/2024	09:13
		17	1.23	07/08/2024	13:19
		18	1.19	06/08/2024	10:03
		19	1.18	08/08/2024	16:49
		20	1.17	07/08/2024	11:53
		21	1.14	12/08/2024	15:57
		22	1.11	08/08/2024	12:06
		23	1.10	05/08/2024	08:35
		24	1.07	07/08/2024	12:18
		25	1.06	08/08/2024	10:22
		26	1.04	13/08/2024	13:07
		27	1.03	08/08/2024	10:24
		28	1.00	12/08/2024	15:41
		29	0.99	13/08/2024	15:52
		30	0.98	13/08/2024	14:05

Location 2 – Time-history graph



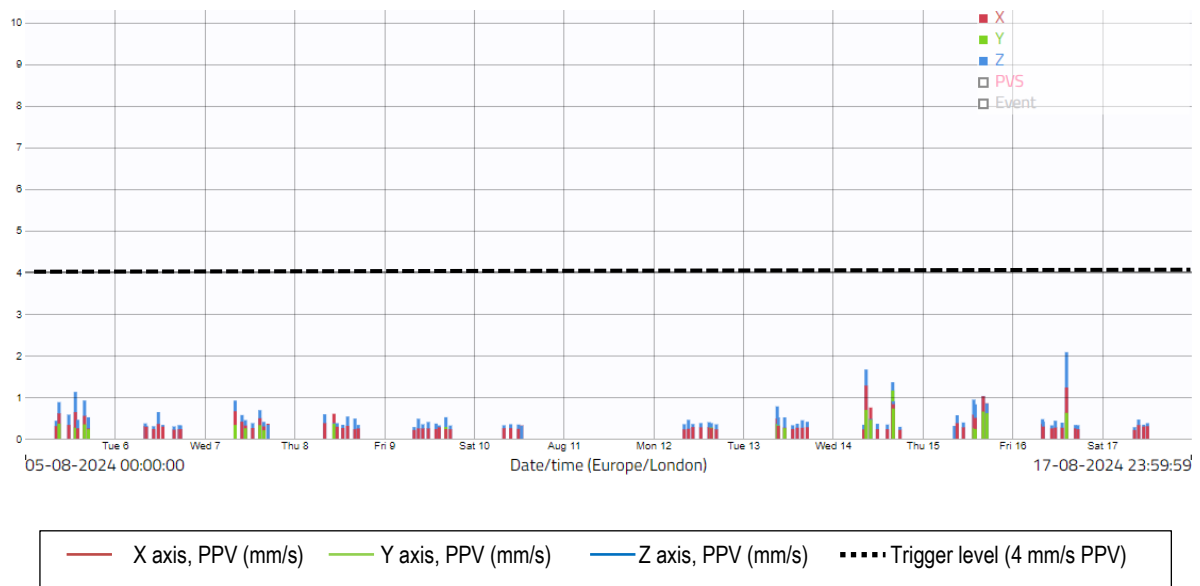
— X axis, PPV (mm/s)
 — Y axis, PPV (mm/s)
 — Z axis, PPV (mm/s)
 - - - - - Trigger level (1 mm/s PPV)

- 3.15 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report. There were 27 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 12th August at 12:33, with a recorded level of 8.1 mm/s PPV.
- 3.16 Based on the activity taking place in the vicinity of the monitor during this monitoring period, it is likely that these alerts may have been caused by the excavation of the crane base between Blocks E1 & E2, as well as the movement of site vehicles within the vicinity of this monitor. 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 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	05/08/2024 to 17/08/2024	1	2.08	16/08/2024	14:26
		2	1.66	14/08/2024	08:51
Criteria mm/s PPV Exceedances		3	1.36	14/08/2024	16:00
4.0	0	4	1.12	05/08/2024	13:25
		5	1.04	14/08/2024	15:53
		6	1.03	15/08/2024	16:04
		7	0.94	15/08/2024	13:39
		8	0.93	14/08/2024	16:05
		9	0.92	14/08/2024	15:18
		10	0.92	05/08/2024	15:52

Location 3 – Time-history graph

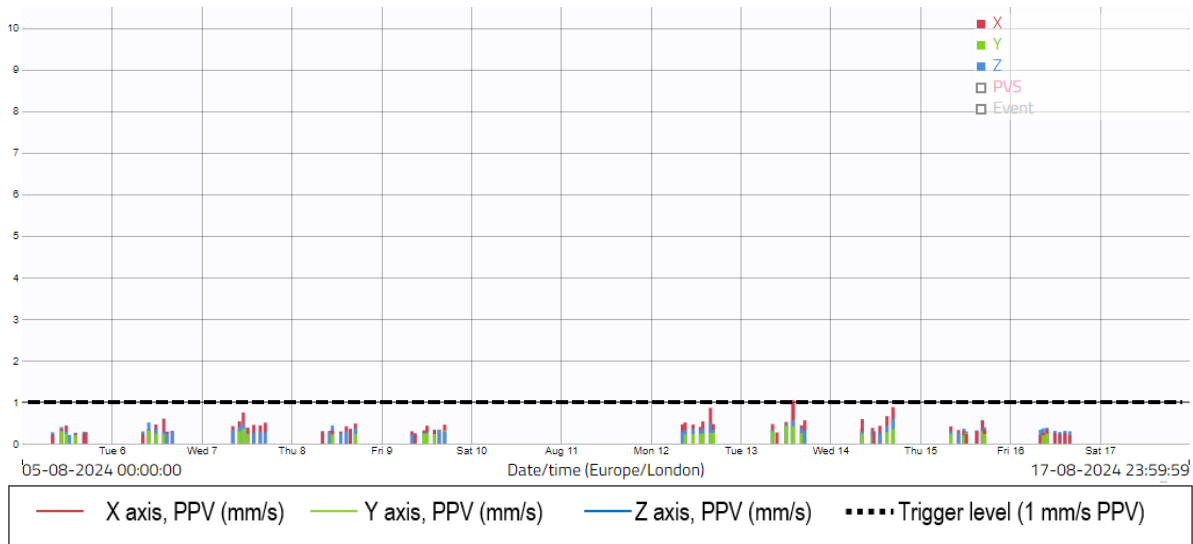


- 3.18 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 4.0 mm/s PPV. The highest recorded vibration level occurred on Friday 16th August at 14:26, with a recorded level of 2.1 mm/s PPV.
- 3.19 It is understood that no complaints have been received in relation to vibration emissions within the vicinity of this location. This will continue to be monitored. Cass Allen will continue to review noise and vibration emissions and advise on any further practicable measures to minimise vibration.

Location 4 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	05/08/2024 to 17/08/2024	1	1.04	13/08/2024	13:56
		2	1.00	13/08/2024	14:05
Criteria mm/s PPV	Exceedances	3	0.98	13/08/2024	14:08
1.0	2	4	0.92	13/08/2024	14:15
		5	0.91	13/08/2024	14:07
		6	0.90	13/08/2024	14:31
		7	0.88	14/08/2024	16:43
		8	0.86	12/08/2024	15:57
		9	0.85	13/08/2024	14:12
		10	0.83	14/08/2024	16:31

Location 4 – 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 two 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 13th August at 13:56, with a recorded level of 1.04 mm/s PPV. It is worth noting that both exceedances were very low levels, both recorded within the same nine-minute period. It is worth noting that this was an isolated occurrence, which was not likely to have been caused by continuous construction work within the vicinity.