

3041 - Twickenham Station  
 MP1 - 16 Mary's Terrace  
 Noise Monitoring



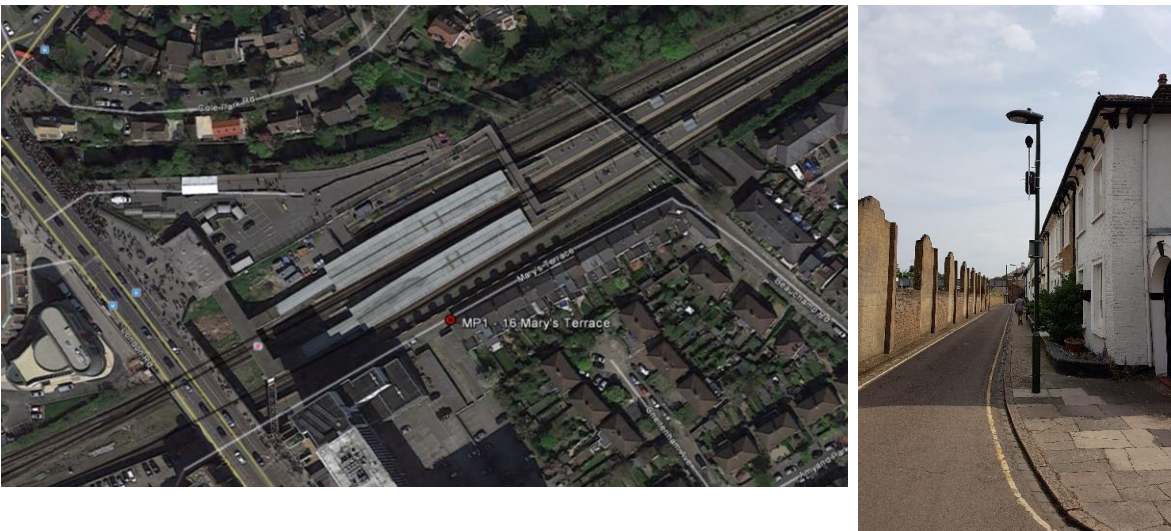
Unattended Noise Monitoring Details

Location Details

Table A: Location Details of Monitoring Equipment

Address	16 Mary's Terrace, TW1 3JB
Description	Meter installed on a lamppost located in front of property overlooking at the station

Figure A: Approximate Location and Photograph of the Worksite and Monitoring Location



Monitor Details

Table B: Details of Monitoring Equipment - 16 Mary's Terrace

Sound Level Meter	Rion NL-52 Type 1 Integrating Sound Level Meter					
Serial Number	Meter	643027	Preamp	43055	Mic	06807
Weighting	Time	Fast	Frequency	A		

With regard to the interpretation of this noise report, it is important to note that the Construction Noise Level limits (CNL) presented in the time history graphs and tables of this document, have been set out by the Council in the S61 consent.

With regard to the interpretation of any noise exceedance, it should be noted that:

- There will be occasions where CNL noise levels will be exceeded and steps will be taken to identify these and where practicable further mitigation provided.
- On occasions and due to the complexity of the work and the layout of the site, it may not be possible to provide further mitigation.
- A number of factors can influence these exceedances including, but not limited to; other sources of noise or combined noise sources that are not always associated with activities on the site.
- Exceedances may not constitute a contravention of the Section 61 Notice, it will be for authorised officers of the Council to determine, based upon a number of factors, including but not limited to; authorisation for the works, proposed / provided mitigation and the use of best practicable means.

## MP1 - 16 Mary's Terrace

### Week 23 Unattended Noise Monitoring Report

#### Summary of Weekly Noise Data and Exceedances of Permissible Levels

between 07:00 hours Monday 04 June 2018 and 07:00 hours Monday 11 June 2018

Figure 7.1: Time History Graph

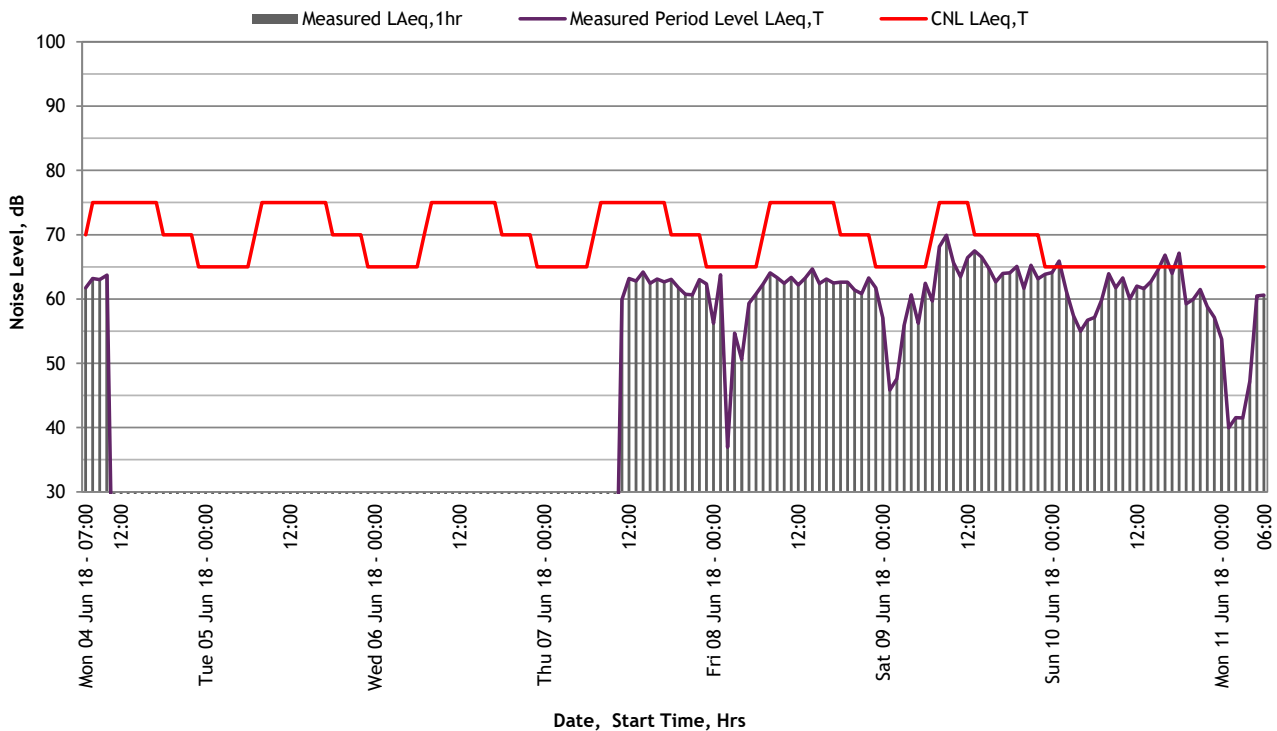


Table 7.1: Monitoring Data Notes and Comments

Notes / Comments
There were three site related exceedances of the construction noise limits during this week of monitoring all recorded on Sunday 10th June. One occurring the between 01:00 to 02:00 due to sheet piling from site. Another occurring between 16:00 and 17:00 due to the use of handing tools (hammering on metal) and between 18:00 and 19:00 due to hammer piling.
Please note that there is data missing from Monday 4th 11:00 to Thursday 7th 10:00 due to a communications issue with the monitoring equipment.

Table 7.2 Details of Predicted Construction Noise Levels

61 Application Reference		Local Authority Consent Reference
DC/BRS/11/1443/FUL/FUL		LBR005159
Receptor ID	Receptor Location	Main Construction Activity For Period
1	16 Mary's Terrace	N/A

Tables 7.3 to 7.5 present the Measured Noise Levels (MNLs) [Ambient + Construction] and the Construction Noise Limits (CNLs). MNLs are highlighted in red if they exceed their associated CNL and the total number of exceedances is summarised in Table 7.6. Table 7.7 provides more detail on each exceedance including the findings of any subsequent investigation.

**Table 7.3: Summary of Measured Noise Levels - Monday to Friday**

Time	Relevant Time Period, Hrs	Averaging Time, T	dB L <sub>Aeq,T</sub>									
			Mon 04/06/18		Tue 05/06/18		Wed 06/06/18		Thu 07/06/18		Fri 08/06/18	
			MNL	CNL	MNL	CNL	MNL	CNL	MNL	CNL	MNL	CNL
Monday to Friday	07:00 – 8:00	1 hr	61.7	70.0	0.0	70.0	0.0	70.0	0.0	70.0	62.3	70.0
	08:00 – 18:00	10 hr	58.1	75.0	0.0	75.0	0.0	75.0	61.2	75.0	63.2	75.0
	18:00 – 19:00	1 hr	0.0	70.0	0.0	70.0	0.0	70.0	63.1	70.0	62.6	70.0
	19:00 – 20:00	1 hr	0.0	70.0	0.0	70.0	0.0	70.0	61.8	70.0	62.6	70.0
	20:00 – 21:00	1 hr	0.0	70.0	0.0	70.0	0.0	70.0	60.7	70.0	61.4	70.0
	21:00 – 22:00	1 hr	0.0	70.0	0.0	70.0	0.0	70.0	60.6	70.0	60.8	70.0
	22:00 – 23:00	1 hr	0.0	70.0	0.0	70.0	0.0	70.0	63.0	70.0	63.3	70.0
	23:00 – 00:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	62.3	65.0	61.8	65.0
	00:00 – 01:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	56.2	65.0	57.1	65.0
	01:00 – 02:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	63.8	65.0	45.8	65.0
	02:00 – 03:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	37.0	65.0	47.6	65.0
	03:00 – 04:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	54.7	65.0	56.0	65.0
	04:00 – 05:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	50.6	65.0	60.6	65.0
	05:00 – 06:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	59.3	65.0	56.2	65.0
06:00 – 07:00	1 hr	0.0	65.0	0.0	65.0	0.0	65.0	60.8	65.0	62.5	65.0	

**Table 7.4: Summary of Measured Noise Levels - Saturday**

Time	Relevant Time Period, Hrs	Averaging Time, T	dB L <sub>Aeq,T</sub>	
			Sat 09/06/18	
			MNL	CNL
Saturday	07:00 – 08:00	1 hr	59.7	70.0
	08:00 – 13:00	5 hr	67.3	75.0
	13:00 – 14:00	1 hr	67.5	70.0
	14:00 – 15:00	1 hr	66.5	70.0
	15:00 – 16:00	1 hr	64.8	70.0
	16:00 – 17:00	1 hr	62.7	70.0
	17:00 – 18:00	1 hr	64.0	70.0
	18:00 – 19:00	1 hr	64.1	70.0
	19:00 – 20:00	1 hr	65.1	70.0
	20:00 – 21:00	1 hr	61.7	70.0
	21:00 – 22:00	1 hr	65.2	70.0
	22:00 – 23:00	1 hr	63.1	70.0
	23:00 – 00:00	1 hr	63.8	65.0
	00:00 – 01:00	1 hr	64.1	65.0
	01:00 – 02:00	1 hr	65.9	65.0
	02:00 – 03:00	1 hr	61.2	65.0
	03:00 – 04:00	1 hr	57.4	65.0
	04:00 – 05:00	1 hr	55.0	65.0
05:00 – 06:00	1 hr	56.7	65.0	
06:00 – 07:00	1 hr	57.1	65.0	

**Table 7.5: Summary of Measured Noise Levels - Sunday**

Time	Relevant Time Period, Hrs	Averaging Time, T	dB L <sub>Aeq,T</sub>	
			Sun 10/06/18	
			MNL	CNL
Sunday and Public Holidays	07:00 – 08:00	1 hr	59.9	65.0
	08:00 – 09:00	1 hr	63.9	65.0
	09:00 – 10:00	1 hr	61.7	65.0
	10:00 – 11:00	1 hr	63.3	65.0
	11:00 – 12:00	1 hr	60.0	65.0
	12:00 – 13:00	1 hr	62.0	65.0
	13:00 – 14:00	1 hr	61.6	65.0
	14:00 – 15:00	1 hr	62.7	65.0
	15:00 – 16:00	1 hr	64.5	65.0
	16:00 – 17:00	1 hr	66.8	65.0
	17:00 – 18:00	1 hr	64.0	65.0
	18:00 – 19:00	1 hr	67.1	65.0
	19:00 – 20:00	1 hr	59.3	65.0
	20:00 – 21:00	1 hr	59.9	65.0
	21:00 – 22:00	1 hr	61.5	65.0
	22:00 – 23:00	1 hr	58.8	65.0
	23:00 – 00:00	1 hr	57.2	65.0
	00:00 – 01:00	1 hr	53.8	65.0
	01:00 – 02:00	1 hr	40.0	65.0
	02:00 – 03:00	1 hr	41.5	65.0
03:00 – 04:00	1 hr	41.5	65.0	
04:00 – 05:00	1 hr	47.2	65.0	
05:00 – 06:00	1 hr	60.5	65.0	
06:00 – 07:00	1 hr	60.6	65.0	

**Table 7.6: Total Number of Exceedances of the Construction Noise Limit**

Total Number of Exceedances	3
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