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# **NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY**

## **CARNWATH ROAD RIVERSIDE (CARRR)**

### **JUNE 2017**

# NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY

## CARNWATH ROAD RIVERSIDE (CARRR)

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## 1 Executive summary

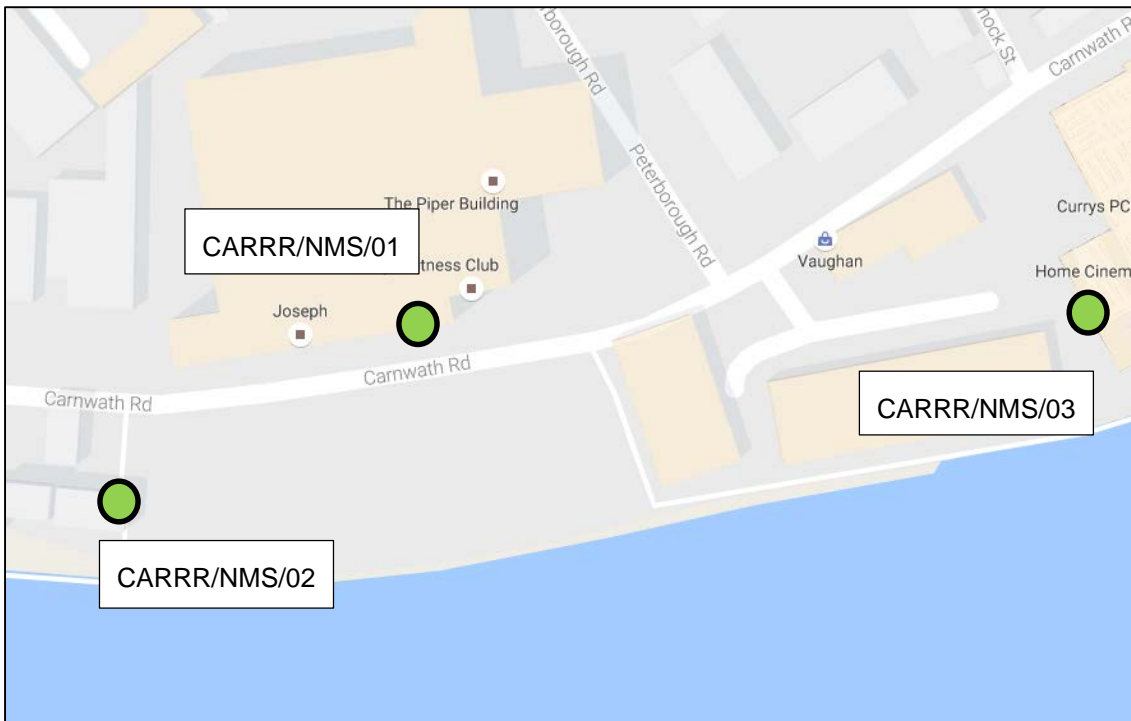
- 1.1.1 This report provides a summary of the monthly noise monitoring carried out during June 2017, at the Carnwath Road Riverside construction site.
- 1.1.2 The report covers the noise and vibration monitoring period between 07:00 hrs on the 1st June 2017 and 07:00 hrs on the 1st July 2017.
- 1.1.3 Minimal noise monitoring data was excluded as a result of high levels of wind or rain.
- 1.1.4 There was one exceedance of the construction thresholds during this month at CARRR/NMS/03.
- 1.1.5 Work taking place on-site during the month of June consisted of shaft piling, river wall strengthening works and preparing the foundations for the new office facilities.


## 2 Noise Monitoring Locations

### 2.1 Introduction

- 2.1.1 The monthly noise monitoring report presents continuous monitoring data undertaken at the monitoring locations detailed below around the Carnwath Road construction site.
- 2.1.2 The first noise monitor is located to the north of the site (CARRR/NMS/01), the second to the west (CARRR/NMS/02), and the third to the east (CARRR/NMS/03). A plan identifying the locations of all monitoring equipment is presented within Figure 2.1 below.

**Figure 2.1 Carnwath Road Noise Monitoring Locations**



<b>Key</b>	
	Unattended Noise Monitor

ID	Monitoring Location
-	CARRR/NMS/01
-	CARRR/NMS/02
-	CARRR/NMS/03

## 2.2 Noise Monitoring location, North of Site Noise Monitor CARRR/NMS/01

2.2.1 The noise monitor is installed on a lamppost to the north of the site approximately 4.1 m above local ground level, in a free-field position.

2.2.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:

- a. Road Traffic on Carnwath Road

2.2.3 Details of the monitoring equipment are presented within Table 2.1 below.

**Table 2.1 – Equipment Details CARRR/NM/1**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464685

### Results

2.2.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.2 below.

2.2.5 There were no exceedances of the construction noise thresholds at this monitoring location during this month.

2.2.6  $L_{A01}$  and  $L_{A90}$  parameters have not been presented as works outside of core hours have not been undertaken.

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**Table 2.2 Monthly Noise Monitoring Summary**

<b>Day</b>	<b>Time</b>	<b>Averaging period</b>	<b>L<sub>Aeq,T</sub> dB</b>	<b>L<sub>Amax</sub>, dB</b>	<b>L<sub>A01</sub> dB</b>	<b>L<sub>A90</sub> dB</b>
Monday to Friday	7am-8am	1 hour	69	90	-	-
	8am-6pm	10 hour	69	-	-	-
	6pm-7pm	1 hour	66	88	-	-
	7pm-10pm	1 hour	66	88	-	-
	Typical hourly level (day)	Mode	69	-	-	-
Saturday	7am-8am	1 hour	61	85	-	-
	8am-1pm	5 hour	68	-	-	-
	1pm-2pm	1 hour	68	91	-	-
	2pm-10pm	1 hour	67	89	-	-
	Typical hourly level (Saturday)	Mode	68**	-	-	-
Sunday	7am-10 pm	1 hour	66	88	-	-
	Typical hourly level (Sunday)	Mode	66	-	-	-
All days	10pm-7am	1 hour	60	83	-	-
	Typical hourly level (night)	Mode	56	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead

## 2.3 Noise Monitoring location, West of Site, Noise Monitor CARRR/NMS/02

2.3.1 The noise monitor is installed on a lamppost to the west of the site approximately 4.9 m above local ground level, approximately 3.6 m from the nearest facade, in a free-field position.

2.3.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:

- a. Road traffic on Carnwath Road
- b. Localised industrial noise

2.3.3 Details of the monitoring equipment are presented within Table 2.3 below.

**Table 2.3 – Equipment Details CARRR/NM/2**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464686

### Results

2.3.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.4 below.

2.3.5 There were no exceedances of the construction noise thresholds at this monitoring location during this month.

2.3.6  $L_{A01}$  and  $L_{A90}$  parameters have not been presented as works outside of core hours have not been undertaken.

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**Table 2.4 Monthly Noise Monitoring Summary**

Day	Time	Averaging period	L <sub>Aeq,T</sub> dB	L <sub>Amax</sub> , dB	L <sub>A01</sub> dB	L <sub>A90</sub> dB
Monday to Friday	7am-8am	1 hour	59	77	-	-
	8am-6pm	10 hour	73	-	-	-
	6pm-7pm	1 hour	58	78	-	-
	7pm-10pm	1 hour	58	78	-	-
	Typical hourly level (day)	Mode	72	-	-	-
Saturday	7am-8am	1 hour	58	76	-	-
	8am-1pm	5 hour	69	-	-	-
	1pm-2pm	1 hour	61	81	-	-
	2pm-10pm	1 hour	59	77	-	-
	Typical hourly level (Saturday)	Mode	69**	-	-	-
Sunday	7am-10 pm	1 hour	59	77	-	-
	Typical hourly level (Sunday)	Mode	61	-	-	-
All days	10pm-7am	1 hour	51	69	-	-
	Typical hourly level (night)	Mode	49	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead



## 2.4 Noise Monitoring location, East of Site Noise Monitor CARRR/NMS/03

- 2.4.1 The noise monitor is installed on a lamppost to the east of the site approximately 4.9 m above local ground level in a free-field position.
- 2.4.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:
- a. Road traffic on Carnwath Road
- 2.4.3 Details of the monitoring equipment are presented within Table 2.5 below.

**Table 2.5 – Equipment Details CARRR/NM/3**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464687

### Results

- 2.4.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.6 below.
- 2.4.5 There was one exceedance of the construction noise threshold at this monitoring location during June. The works taking place consisted of piling preparatory work and associated concrete breaking works prior to the arrival of the new offices.
- 2.4.6  $L_{A01}$  and  $L_{A90}$  parameters have not been presented as works outside of core hours have not been undertaken.

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**Table 2.6 Monthly Noise Monitoring Summary**

Day	Time	Averaging period	L <sub>Aeq,T</sub> dB	L <sub>Amax</sub> , dB	L <sub>A01</sub> dB	L <sub>A90</sub> dB
Monday to Friday	7am-8am	1 hour	58	76	-	-
	8am-6pm	10 hour	67	-	-	-
	6pm-7pm	1 hour	58	77	-	-
	7pm-10pm	1 hour	58	77	-	-
	Typical hourly level (day)	Mode	64	-	-	-
Saturday	7am-8am	1 hour	57	73	-	-
	8am-1pm	5 hour	65	-	-	-
	1pm-2pm	1 hour	61	82	-	-
	2pm-10pm	1 hour	59	78	-	-
	Typical hourly level (Saturday)	Mode	65**	-	-	-
Sunday	7am-10 pm	1 hour	59	78	-	-
	Typical hourly level (Sunday)	Mode	61	-	-	-
All days	10pm-7am	1 hour	51	69	-	-
	Typical hourly level (night)	Mode	49	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead