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NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY

CARNWATH ROAD RIVERSIDE (CARRR)

AUGUST 2017

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1 Executive summary

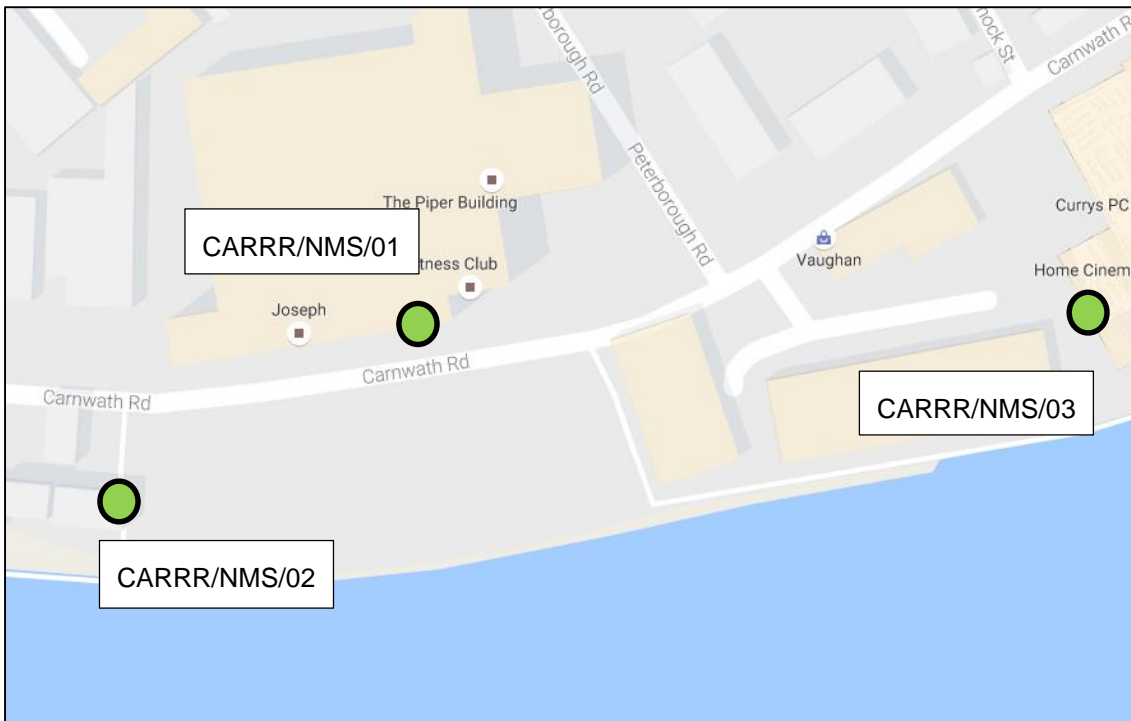
- 1.1.1 This report provides a summary of the monthly noise monitoring carried out during August 2017, at the Carnwath Road Riverside construction site.
- 1.1.2 The report covers the noise monitoring period between 07:00 hrs on the 1st August 2017 and 07:00 hrs on the 1st September 2017.
- 1.1.3 Minimal noise monitoring data was excluded as a result of high levels of wind or rain.
- 1.1.4 There were two exceedances of the DCO noise thresholds during this month.
- 1.1.5 Work taking place on-site during the month of August consisted of acoustic shed piling, river wall strengthening and works to prepare the eastern half of the site for the arrival of the new office/welfare cabins.


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 Riverside 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



Key	
	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 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

Table A.1 North Monitor – CARRR/NMS/01

Day	Time	Averaging period	L _{Aeq,T} dB	L _{Amax} , dB	L _{A01} dB	L _{A90} dB
Monday to Friday	7am-8am	1 hour	68	90	-	-
	8am-6pm	10 hour	69	-	-	-
	6pm-7pm	1 hour	65	87	-	-
	7pm-10pm	1 hour	65	87	-	-
	Typical hourly level (day)	Mode	69	-	-	-
Saturday	7am-8am	1 hour	65	89	-	-
	8am-1pm	5 hour	67	-	-	-
	1pm-2pm	1 hour	67	89	-	-
	2pm-10pm	1 hour	66	87	-	-
	Typical hourly level (Saturday)	Mode	67**	-	-	-
Sunday	7am-10 pm	1 hour	65	87	-	-
	Typical hourly level (Sunday)	Mode	66	-	-	-
All days	10pm-7am	1 hour	59	82	-	-
	Typical hourly level (night)	Mode	57	-	-	-

* 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 two exceedances of the noise thresholds at this monitoring location during this month. The cause of the exceedances were piling works occurring to the west of site. The piling works taking place were for the acoustic shed / tunnel boring machine (TBM) pads.

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 _{Aeq,T} dB	L _{Amax} , dB	L _{A01} dB	L _{A90} dB
Monday to Friday	7am-8am	1 hour	59	76	-	-
	8am-6pm	10 hour	73	-	-	-
	6pm-7pm	1 hour	57	75	-	-
	7pm-10pm	1 hour	57	75	-	-
	Typical hourly level (day)	Mode	74	-	-	-
Saturday	7am-8am	1 hour	58	74	-	-
	8am-1pm	5 hour	67	-	-	-
	1pm-2pm	1 hour	59	75	-	-
	2pm-10pm	1 hour	59	77	-	-
	Typical hourly level (Saturday)	Mode	67**	-	-	-
Sunday	7am-10 pm	1 hour	59	78	-	-
	Typical hourly level (Sunday)	Mode	59	-	-	-
All days	10pm-7am	1 hour	51	68	-	-
	Typical hourly level (night)	Mode	46	-	-	-

* 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 were no exceedances of the noise thresholds at this monitoring location during this month.

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_{Aeq,T} dB	L_{Amax}, dB	L_{A01} dB	L_{A90} dB
Monday to Friday	7am-8am	1 hour	59	77	-	-
	8am-6pm	10 hour	61	-	-	-
	6pm-7pm	1 hour	57	75	-	-
	7pm-10pm	1 hour	57	75	-	-
	Typical hourly level (day)	Mode	61	-	-	-
Saturday	7am-8am	1 hour	57	75	-	-
	8am-1pm	5 hour	60	-	-	-
	1pm-2pm	1 hour	59	78	-	-
	2pm-10pm	1 hour	59	78	-	-
	Typical hourly level (Saturday)	Mode	60**	-	-	-
Sunday	7am-10 pm	1 hour	59	77	-	-
	Typical hourly level (Sunday)	Mode	59	-	-	-
All days	10pm-7am	1 hour	51	68	-	-
	Typical hourly level (night)	Mode	46	-	-	-

* 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