

OFFICIAL



NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY

CARNWATH ROAD RIVERSIDE (CARRR)

NOVEMBER 2017

NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY

CARNWATH ROAD RIVERSIDE (CARRR)

List of contents

1	Executive summary	2
2	Noise Monitoring Locations	3
2.1	Introduction	3
2.2	Noise Monitoring location, North of Site Noise Monitor CARRR/NMS/01	4
2.3	Noise Monitoring location, West of Site, Noise Monitor CARRR/NMS/02.....	6
2.4	Noise Monitoring location, East of Site Noise Monitor CARRR/NMS/03.....	8

1 Executive summary

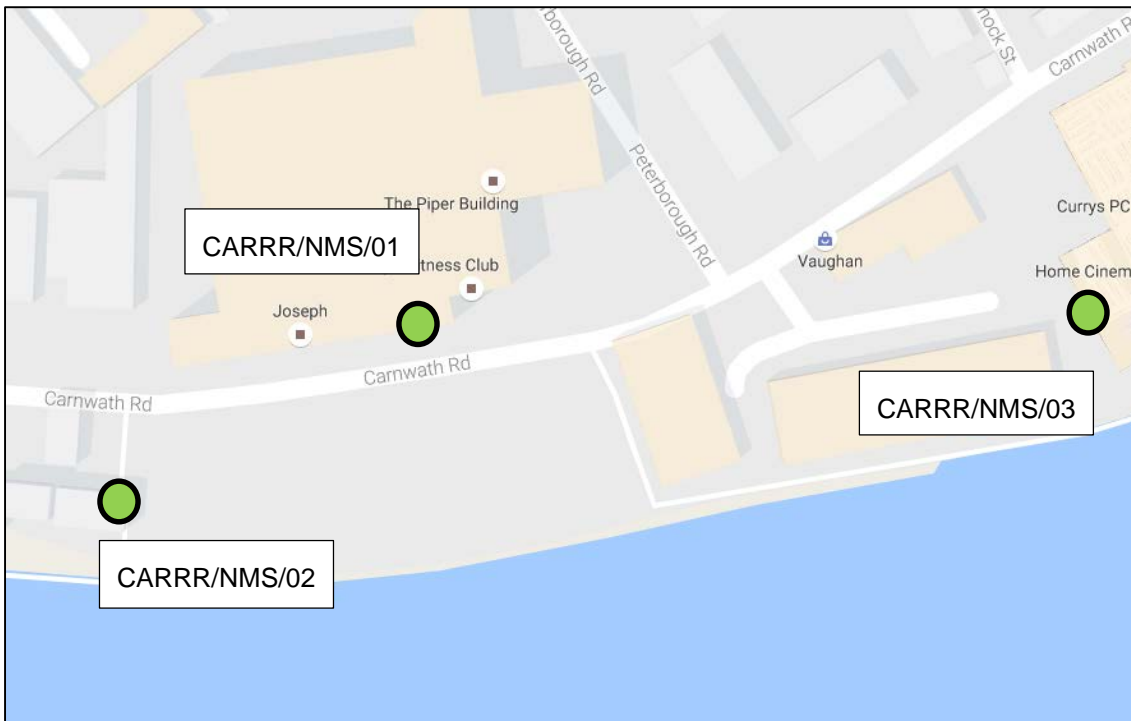
- 1.1.1 This report provides a summary of the monthly noise monitoring carried out during November 2017, at the Carnwath Road Riverside construction site.
- 1.1.2 The report covers the noise and vibration monitoring period between 07:00 hrs on the 1st November 2017 and 07:00 hrs on the 1st December 2017.
- 1.1.3 Some periods of noise monitoring data were excluded due to adverse weather conditions, i.e. high levels of wind and rain.
- 1.1.4 Work taking place on-site during the month of November included installation of the RMD 7.5m hoarding in the eastern corner. This involved a MEWP and hand tools, drilling and fixing the RMD down in the area. Works occurring also included piling works along river wall, shed construction and preparation of new muck bin / TBM laydown area.


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 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.

OFFICIAL

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	70	88	-	-
	8am-6pm	10 hour	70	-	-	-
	6pm-7pm	1 hour	66	87	-	-
	7pm-10pm	1 hour	66	87	-	-
	Typical hourly level (day)	Mode	69	-	-	-
Saturday	7am-8am	1 hour	66	88	-	-
	8am-1pm	5 hour	70	-	-	-
	1pm-2pm	1 hour	70	87	-	-
	2pm-10pm	1 hour	68	88	-	-
	Typical hourly level (Saturday)	Mode	70*	-	-	-
Sunday	7am-10 pm	1 hour	67	87	-	-
	Typical hourly level (Sunday)	Mode	69	-	-	-
All days	10pm-7am	1 hour	60	82	-	-
	Typical hourly level (night)	Mode	58	-	-	-

* 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.

OFFICIAL

Table 2.4 Monthly Noise Monitoring Summary

Table A.2 West Monitor – CARRR/NMS/02

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	78	-	-
	8am-6pm	10 hour	71	-	-	-
	6pm-7pm	1 hour	58	76	-	-
	7pm-10pm	1 hour	58	76	-	-
	Typical hourly level (day)	Mode	70	-	-	-
Saturday	7am-8am	1 hour	57	75	-	-
	8am-1pm	5 hour	65	-	-	-
	1pm-2pm	1 hour	59	80	-	-
	2pm-10pm	1 hour	59	78	-	-
	Typical hourly level (Saturday)	Mode	63	-	-	-
Sunday	7am-10 pm	1 hour	59	79	-	-
	Typical hourly level (Sunday)	Mode	59	-	-	-
All days	10pm-7am	1 hour	50	68	-	-
	Typical hourly level (night)	Mode	50	-	-	-

* 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 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 2 exceedances of the construction noise thresholds at this monitoring location during this month. The works being carried out were completion of the 7.5m RMD hoarding and fence reinstatement. Local screening was being utilised where practicable.

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

OFFICIAL

Table 2.6 Monthly Noise Monitoring Summary

Table A.3 East Monitor – CARRR/NMS/03

Day	Time	Averaging period	L _{Aeq,T} dB	L _{Amax} , dB	L _{A01} dB	L _{A90} dB
Monday to Friday	7am-8am	1 hour	60	77	-	-
	8am-6pm	10 hour	75	-	-	-
	6pm-7pm	1 hour	58	75	-	-
	7pm-10pm	1 hour	58	75	-	-
	Typical hourly level (day)	Mode	63	-	-	-
Saturday	7am-8am	1 hour	59	78	-	-
	8am-1pm	5 hour	69	-	-	-
	1pm-2pm	1 hour	58	75	-	-
	2pm-10pm	1 hour	58	79	-	-
	Typical hourly level (Saturday)	Mode	69**	-	-	-
Sunday	7am-10 pm	1 hour	59	78	-	-
	Typical hourly level (Sunday)	Mode	60	-	-	-
All days	10pm-7am	1 hour	52	68	-	-
	Typical hourly level (night)	Mode	47	-	-	-

* 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