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NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY

CARNWATH ROAD RIVERSIDE (CARRR)

APRIL 2017

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1 Executive summary

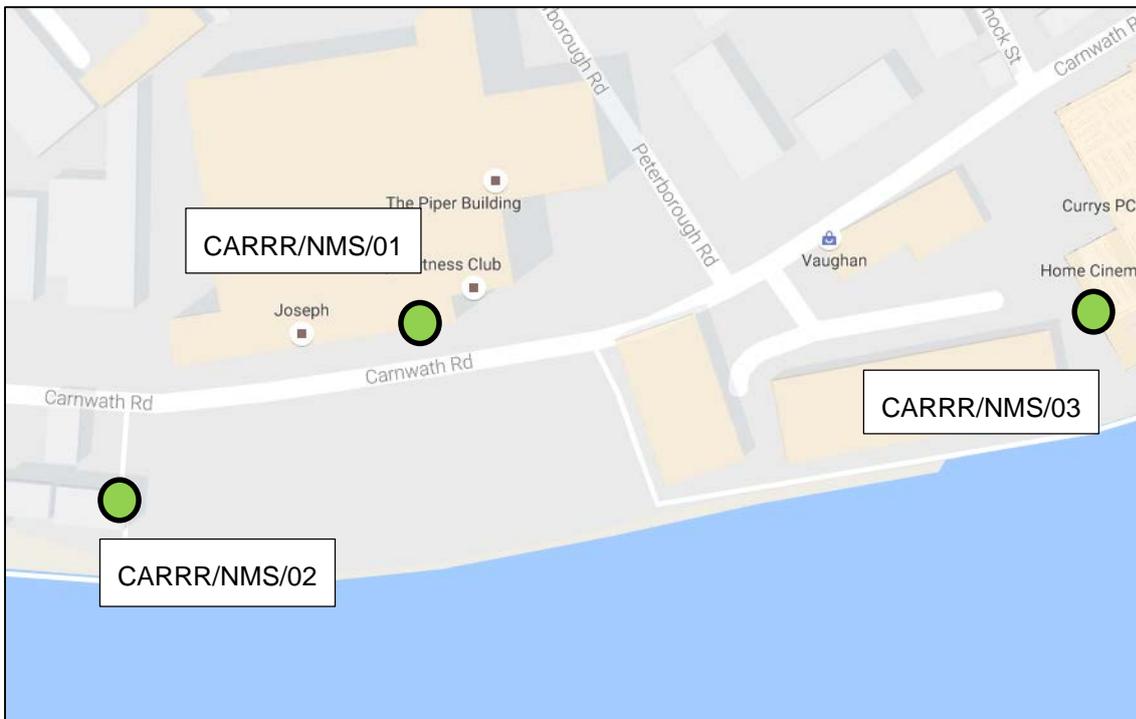
- 1.1.1 This report provides a summary of the monthly noise monitoring carried out during April 2017, at the Carnwath Road Riverside construction site.
- 1.1.2 The report covers the noise and vibration monitoring period between 07:00 hrs on the 1st April 2017 and 07:00 hrs on the 1st May 2017.
- 1.1.3 Minimal noise monitoring data was excluded as a result of high levels of wind or rain.
- 1.1.4 There were no exceedances of the construction thresholds during this month.
- 1.1.5 Work taking place on-site during the month of April consisted of shaft piling and demolition of the Carnwath Road industrial estate buildings.

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



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.

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Table 2.2 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	69	90	-	-
	8am-6pm	10 hour	70	-	-	-
	6pm-7pm	1 hour	68	92	-	-
	7pm-10pm	1 hour	65	87	-	-
	Typical hourly level (day)	Mode	69	-	-	-
Saturday	7am-8am	1 hour	65	86	-	-
	8am-1pm	5 hour	68	-	-	-
	1pm-2pm	1 hour	68	91	-	-
	2pm-10pm	1 hour	66	89	-	-
	Typical hourly level (Saturday)	Mode	67**	-	-	-
Sunday	7am-10 pm	1 hour	66	86	-	-
	Typical hourly level (Sunday)	Mode	66	-	-	-
All days	10pm-7am	1 hour	60	82	-	-
	Typical hourly level (night)	Mode	56	-	-	-

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 _{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	74	-	-	-
	6pm-7pm	1 hour	59	79	-	-
	7pm-10pm	1 hour	58	77	-	-
	Typical hourly level (day)	Mode	77	-	-	-
Saturday	7am-8am	1 hour	59	75	-	-
	8am-1pm	5 hour	66	-	-	-
	1pm-2pm	1 hour	59	77	-	-
	2pm-10pm	1 hour	57	76	-	-
	Typical hourly level (Saturday)	Mode	61**	-	-	-
Sunday	7am-10 pm	1 hour	58	76	-	-
	Typical hourly level (Sunday)	Mode	60	-	-	-
All days	10pm-7am	1 hour	51	67	-	-
	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

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 construction 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	76	-	-
	8am-6pm	10 hour	61	-	-	-
	6pm-7pm	1 hour	58	77	-	-
	7pm-10pm	1 hour	57	74	-	-
	Typical hourly level (day)	Mode	61	-	-	-
Saturday	7am-8am	1 hour	59	76	-	-
	8am-1pm	5 hour	61	-	-	-
	1pm-2pm	1 hour	59	77	-	-
	2pm-10pm	1 hour	56	75	-	-
	Typical hourly level (Saturday)	Mode	60**	-	-	-
Sunday	7am-10 pm	1 hour	58	76	-	-
	Typical hourly level (Sunday)	Mode	56	-	-	-
All days	10pm-7am	1 hour	50	67	-	-
	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