Forth Replacement Crossing

Employer's Delivery Team Construction Noise Monitoring Report

Principal Contract and M9J1a Contract (October 2012)





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FORTH REPLACEMENT CROSSING

EMPLOYER'S DELIVERY TEAM CONSTRUCTION NOISE MONITORING REPORT

PRINCIPAL CONTRACT AND M9J1A CONTRACT (OCTOBER 2012)

Revision Status

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FORTH REPLACEMENT CROSSING

EMPLOYER'S DELIVERY TEAM CONSTRUCTION NOISE MONITORING REPORT

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1. INTRODUCTION

- 1.1 This report sets out the results of the construction noise monitoring undertaken on the Forth Replacement Crossing project.
- 1.2 The noise monitoring periods covered in this report are as follows:
 - Principal Contract: October 2012 refer to Section 2 of this report.
 - M9 Junction 1a Contract: October 2012 refer to Section 3 of this report.
- 1.3 Noise monitoring from the Fife ITS Contract is reported separately.

2. PRINCIPAL CONTRACT NOISE MONITORING

NOISE MONITORING LOCATIONS

2.1 Continuous noise monitoring was carried out at the fixed monitor locations in Table 2.1 below. The main construction activities carried out adjacent to the monitor locations are also listed.

Monitoring	Monitoring	Main Construction Activities		
Location	Period			
Whinny Hill (M1)	October 2012	 Drilling for blasting Blasting Breaking and excavation of rock Haulage of rock 		
Tigh-Na-Grian (M3)	October 2012	 On-going works at Beamer Rock Caisson Excavation N1 excavation 		
Port Edgar (M6)	October 2012	 On-going works at CT ST excavation S4 excavation Caisson works 		
Butlaw Fisheries (M7)	October 2012	 On-going works at CT Caisson works ST excavation S4 excavation Works at S7 & S8 S6 Access Track Drainage 		
Inchgarvie Lodge (M10)	October 2012	 On-going works at CT Caisson works ST excavation S4 excavation Works at S7 & S8 S6 Access Track Drainage Excavation of material from launch Creation of SUDS Pond 		
Linn Mill (M11)	October 2012	 Excavations at south abutment Drainage works Creation of SUDS pond 		
Clufflat Brae (M13)	October 2012	 Excavations at south abutment Creation of SUDS pond 		

Springfield (M14)	October 2012	 Excavations at south abutment Creation of SUDS pond
Echline Field (M15)	October 2012	Cut/Fill from Queensferry gyratory
Scotstoun (M16)	October 2012	 Import of materials Utility works Soil stripping
Dundas Home Farm (M17)	October 2012	Utilities worksEarthworks
Newton (M18)	October 2012	No works

 Table 2.1
 Principal Contract – Long Term Monitoring Locations

NOISE MONITORING RESULTS

- 2.2 Monitoring results from the Principal contract are contained in Appendix A of this report. The results are presented in a report containing noise charts using the template contained in the Construction Noise Monitoring Information Note which is available on the project website at http://www.transportscotland.gov.uk/files/documents/projects/forth-replacement/FRC_Construction_Noise_Monitoring_Information_Note_2_.pdf.
- 2.3 Some exceedances of the maximum noise level thresholds occurred in October, however the majority of these are not considered to be due to construction works being carried out. Exceedances of the maximum noise level threshold at Linn Mill, Clufflat Brae, Tigh-Na-Grian and Butlaw Fisheries were attributed to construction works.
- 2.4 Exceedances of the monthly average threshold were recorded at Scotstoun and Butlaw Fisheries.
- 2.5 All exceedances were investigated in accordance with the project Code of Construction Practice.
- 2.6 All exceedance reports are available on request from the FRC Team, contactable via email at <u>enquiries@forthreplacementcrossing.info</u>. A summary of the information included in the exceedance reports is provided in Table 2.2 below.

Monitoring Location	Exceedance
Butlaw Fisheries (M7)	During October the maximum noise threshold was exceeded on 45 occasions (daytime, 13; evening, 6; night time, 26). Three daytime exceedances were due to piling works associated with the trial pit. However, a large number of exceedances were attributed to a range of non-construction factors, including waves on the shore, wind, birds (particularly during the early hours of the morning) and vehicles.
Clufflat Brae (M13)	During October the maximum noise threshold was exceeded on 32 occasions (daytime, 12; evening, 4; night time, 16). Three daytime exceedances were found to be due to the intermittent noise of plant operating in close proximity to the meter. A number of the exceedances were also found to be due to birds, adverse weather conditions and fireworks.
Inchgarvie Lodge (M10)	During October the maximum noise threshold was exceeded on 21 occasions (daytime, 10; evening, 4; night time, 7). No exceedances were found to be due to construction works. However, investigations found adverse weather and movements at the property to be the main contributing factors to the exceedances at this location.
Linn Mill (M11)	During October the maximum noise threshold was exceeded on 35 occasions (daytime, 11; evening, 5; night time, 19). Four exceedances were due to construction works. However, the majority of exceedances were caused by a number of non-construction factors, notably adverse weather conditions, fireworks and birds.
Tigh-Na-Grian (M3)	During October the maximum noise threshold was exceeded on 29 occasions (daytime, 14; evening, 0; night time, 15). Five night time exceedances were found to be due to construction works at the north tower caisson. However, the majority of the exceedances were due to non-construction factors including birds and windy weather conditions.
Dundas Home Farm (M17)	During October the maximum noise threshold was exceeded on 5 occasions. Exceedances were not attributable to construction works. Exceedances were due to gardening activities near the meter, birds and planes.
Echline Field (M15)	During October the maximum noise threshold was exceeded on 24 occasions. No exceedances at this location were due to construction activities. Exceedances were attributed to vehicles passing by on the adjacent roads, dogs and children making noise nearby the monitor and adverse weather conditions.
Springfield (M14)	During October the maximum noise threshold was exceeded on 11 occasions. No exceedances at this location were due to construction activities. The majority of non-construction related exceedances were due to residents at the nearby properties.

Monitoring Location	Exceedance
Scotstoun (M16)	During October the maximum noise threshold was exceeded on 23 occasions. Exceedances were attributed to vehicles passing by on the adjacent road.
Whinny Hill (M1)	During October the maximum noise threshold was exceeded on 14 occasions. Exceedances were not due to construction activities. A range of factors were found to cause exceedances at this location, including birds and wind.

 Table 2.2
 Principal Contract – Summary of Noise Threshold Exceedances

3. M9 J1A CONTRACT NOISE MONITORING

NOISE MONITORING LOCATIONS

3.1 Continuous noise monitoring was carried out at the fixed monitor locations in Table3.1 below. The main construction activities carried out adjacent to the monitor locations are also listed.

Monitoring Monitoring		Main Construction Activities	
Location	Period		
93/95 King Edwards Way (CNV02)	October 2012	Pavement surfacing works	
15-17 Buie Rigg (CNV07)	October 2012	 Earthworks & SUDS pond excavation Pavement works on eastbound diverge slip Pavement works on eastbound merge slip Pavement works on M9 Mainline Concrete pours at M901 Overbridge Erection of Gantry 11 Traffic management movement of Varioguard 	
8 Kirklands Park Grove (CNV16)	October 2012	 Safety Barrier works at M9 Spur Pavement works on northbound M9 Spur Concrete pours at Newmains Bridge Traffic management on southbound M9 Spur 	

 Table 3.1
 M9 J1a Contract – Long Term Monitoring Locations

NOISE MONITORING RESULTS

- 3.2 Monitoring results from the M9 Junction 1a contract are contained in Appendix B of this report. The results are presented in charts using the template contained in the Construction Noise Monitoring Information Note which is available on the project website at http://www.transportscotland.gov.uk/files/documents/projects/forth-replacement/FRC_Construction_Noise_Monitoring_Information_Note_2.pdf.
- 3.3 Some exceedances of the maximum noise level thresholds occurred in October, however the majority of these are not considered to be due to construction works being carried out. Four exceedances were attributed to construction works at King

Edwards Way and three exceedances were attributed to construction works at Buie Rigg.

- 3.4 All exceedances of the maximum noise level thresholds were investigated in accordance with the project Code of Construction Practice.
- 3.5 An exceedance of the monthly average threshold was recorded at Kirklands Park Grove.
- 3.6 Summary information regarding the exceedances of the maximum noise level thresholds is provided In Table 3.2 below. Copies of the exceedance reports are contained in Appendix B to this report.

Monitoring	Contractor's	Exceedance
Location Exceedance Report		
	Reference	
93/95 King	NERs 170 - 192	During October the maximum noise
Edwards Way		threshold was exceeded on 23 occasions (daytime, 3; evening, 5; night,
(CNV02)		15) with 4 of the exceedances being
		attributed to construction works. The
		construction related exceedances are attributed to plant movements and
		pavement works (See NERs 178, 187,
		191 & 192).
15-17 Buie	NER 193 - 198	During October the maximum noise
Rigg (CNV07)		threshold was exceeded on 6 occasions (evening, 1; night, 5) with 3 of the
		exceedances being attributed to
		construction works. The construction
		related exceedances are attributed to surfacing works (See NERs 193, 195 &
		198.)
8 Kirklands	NERs 199 - 206	During October the maximum noise
Park Grove		threshold was exceeded on 8 occasions (daytime, 2; evening, 1; night, 5). No
(CNV16)		exceedances are attributed to
,		construction works.

 Table 3.2
 M9 J1a Contract – Summary of Noise Threshold Exceedance

APPENDIX A -

PRINCIPAL CONTRACT - CONSTRUCTION NOISE MONITORING REPORTS



Contractor



Forth Crossing Bridge Constructors

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Project

FORTH REPLACEMENT CROSSING

Document title

CONSTRUCTION NOISE MONITORING REPORT:

OCTOBER 2012

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- 1. Introduction
- 2. Noise Monitoring Locations
- 3. Noise Monitoring Results



1 Introduction

- **1.1** Monitoring of construction noise is being undertaken by FCBC during the construction of the new Forth Crossing and the associated road network. This report covers the month of October 2012. The objective of this report is to detail the monitoring that has been undertaken across the site during this period and to present the construction noise monitoring results acquired for October 2012.
- **1.2** Monitoring of construction noise has been undertaken in accordance with the Code of Construction Practice (CoCP) and the Noise and Vibration Management Plan (NVMP).



2 Noise Monitoring Locations

- **2.1** During October 2012, construction noise was monitored using permanent, continuous noise monitoring devices at the locations listed in Table 1. The majority of the monitors were installed throughout November and December 2011, with additional monitors installed at Scotstoun Park (Arup's Office) and Newton during February and a further sound level meter installed at Whinny Hill during March.
- **2.2** At some monitoring locations, the noise monitoring devices are accompanied by associated weather stations. Weather stations are present at Echline Field, Tigh-Na-Grian, Clufflat Brae, Dundas Home Farm, Butlaw Fisheries, Linn Mill and Whinny Hill.
- **2.3** Various construction works were undertaken across the site during October 2012. The main construction activities undertaken in the locality of each of the noise meters during the period have been listed in Table 1.



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Ref.	Monitoring Location	Crossing or Network	Main Construction Activities During October 2012
M1	Whinny Hill	Network	Drilling for blasting Blasting Breaking and excavation of rock Haulage of rock
			N.B. No evening, night time or Sunday daytime construction in vicinity.
М3	Tigh-Na-Grian	Crossing	On-going works at CT NT Caisson Excavation N1 excavation
M6	Port Edgar	Crossing	On-going works at CT ST excavation S4 excavation Caisson works
M7	Butlaw Fisheries	Crossing	On-going works at CT Caisson works ST excavation S4 excavation Works at S7 & S8 S6 Access Track drainage works
M10	Inchgarvie Lodge	Crossing	On-going works at CT Caisson works ST excavation S4 excavation Works at S7 & S8 S6 Access Track drainage works Excavation of material from launch and south abutment Works on SUDS ponds
M11	Linn Mill	Network (close proximity to Crossing)	Excavation of material from launch and south abutment Drainage works Works on SUDS pond
M13	Clufflat Brae	Network (close proximity to Crossing)	Excavation of material from launch and south abutment Works on SUDS pond
M14	Springfield	Network	Excavation of material from launch SUDS pond works N.B. No evening, night time or Sunday daytime construction in vicinity.
M15	Echline Field	Network	Cut/Fill from Queensferry gyratory

Table 1: Monitoring Locations

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			N.B. No evening, night time or Sunday daytime construction in vicinity.
M16	Scotstoun	Network	Import of materials Utility works Soil stripping
			N.B. No evening, night time or Sunday daytime construction in vicinity.
M17	Dundas Home Farm	Network	Utilities works Earthworks N.B. No evening, night time or Sunday daytime construction in vicinity.
M18	Newton	Network	No works



3 Noise Monitoring Results

- **3.1** All noise monitoring results for construction days have been presented in charts using the template provided in the Construction Noise Monitoring Information Note, as available on the project website (http://www.transportscotland.gov.uk/files/documents/projects/forth-replacement/FRC Construction Noise Monitoring Information Note 2 .pdf). All charts can be found in the appendices of this report.
- **3.2** With regard to the noise monitoring results charts, the following should be noted:
 - All locations are considered as either 'Main Crossing' or 'Network Connections', as set out in Table 1. Main Crossing works are undertaken during the day, evening and night time periods. Network connection works, however, are undertaken during the daytime only. The inclusion of data in the graphs reflects this. Although Linn Mill and Clufflat Brae are considered as network locations, the potential for marine works near the south shore to be heard has been recognised. As a result, evening and night time data has been included for these locations although no network connection construction activities have been undertaken during these periods.
 - Noise data for days, evening and nights on which no construction works were conducted have been excluded from the monthly average results presented in the graph. However, noise results (L_{Aeq} and L_{Amax, F}) for any days, evenings and nights on which no construction works have been conducted have been presented in the graphs in greyed out areas.
 - An average for Sunday construction noise data has been included on the graphs where applicable; in locations where no Sunday works have been undertaken no average is shown.
 - As set out in the CoCP, the assessment time for evening, nights and Sunday daytime is 1 hour periods. To present the construction noise results for these periods, therefore, the maximum L_{Amax, F} (fast time response) and maximum L_{Aeq} within the overall evening/night time period has been taken. It should be noted, therefore, that the average shown for these periods is an average of only the highest L_{Aeq} results.



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- Where noise data is missing for days, evening or nights during which construction works were conducted, this has been indicated. A loss of power, caused by a third party, resulted in periods of missing data at Inchgarvie in early October. Data is missing for the first 3 days of October at Echline due to the loss of power as reported in previous noise reports. Several device errors were also encountered in October, resulting in loss of data on the following dates from the following devices; 3 & 4 October at Linn Mill, 30 & 31 October at Newton, 12 to 14 October at Tigh-Na-Grian, 27 to 31 October at Port Edgar and 1 to 8 October at Scotstoun. Data is also missing from Springfield between 27 and 31 October due to a loss of data associated with an error with the FCBC server.
- **3.3** Results demonstrate that the monthly average total construction noise results for daytime were within the threshold limits for all monitoring locations for October 2012, with the exception of Scotstoun. The monthly average total construction noise results for the evening period were within the threshold for all locations throughout October 2012. For night-time, results show exceedances of the threshold at Butlaw Fisheries only, with all other monitoring locations within the threshold. The exceedance at Butlaw, however, was caused by an increase in noise levels due to several nights of adverse weather conditions causing an increase in noise levels at this location due to the waves on the shore and also birds in the early hours of the morning. When data affected by waves and birds is removed from the average, this reduces the monthly night time average from 54.9dB to 48.8dB, which is below the threshold value of 50dB.
- **3.4** The Sunday averages (for applicable monitoring locations) were found to be within the threshold for all monitoring locations during October 2012, with the exception of Butlaw Fisheries for the night-time period. As with the monthly night time average at Butlaw Fisheries, the Sunday night time average was also affected by adverse weather causing increased noise of waves on the shore and also birds in the early hours of the morning. Where this data is removed, the Sunday night time average is reduced from 51.1dB to 48.7dB, which lowers it below the threshold value of 50dB.
- **3.5** The exceedance of the daytime average at Scotstoun is due to increased background noise levels due to the location of the meter directly adjacent to the road. Traffic noise at this location is further increased during periods of wet weather which were frequent throughout October 2012.



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- **3.6** During October 2012, some exceedances of the maximum noise thresholds also occurred. Each exceedance of the threshold was investigated using triggered audio recordings, records of construction works (i.e. site programmes and diaries, daily marine reports and dredging reports) and analysis of weather station data, where required. A Noise and Vibration Investigative Report (NVIR) spread sheet has been produced detailing the results of the investigation for each exceedance. Where the exceedances are due to construction works, a detailed NVIR has been completed which details the results of the investigation in addition to any additional mitigation measures required.
- **3.7** Investigations of the exceedances of the maximum noise level thresholds show the majority to have occurred as a result of non-construction related noise. Spells of adverse weather conditions during October were found to result in a number of exceedances. A large number of the exceedances, particularly those occurring between dawn and 8 am, were due to bird calls. Additionally, local noises at nearby properties were also found to be contributing factors to maximum noise level exceedances and at some locations, notably Scotstoun, existing traffic noise had an effect on maximum noise levels during the period covered in this report.
- **3.8** Where an exceedance due to construction works was identified, the works were investigated as soon as practicably reasonable and a detailed NVIR was completed, within which any additional mitigation measures were recognised.
- **3.9** The daytime L_{Amax} threshold was exceeded as a result of land based construction works on a total of 7 occasions at four different monitoring locations. Of these, four daytime exceedances at Linn Mill and three daytime exceedances at Clufflat Brae were caused by intermittent noise from plant operating in close proximity to the noise meters at these locations, in particular excavators and also the use of vehicle horns. Vehicle horns were being used as a means of informing operatives that a task had been completed and/or it was necessary to manoeuvre plant.
- **3.10** Some exceedances due to marine works were also recorded. The piling works associated with the construction of the trial pit were found to be the cause of 3 daytime exceedances at Butlaw Fisheries. Additionally, 5 night time exceedances at Tigh-Na-Grian were found to be caused by works at the North Tower caisson. These have all been investigated and mitigation measures have been implemented where possible. Please see relevant NVIRs for details.
- **3.11** A summary of the findings for exceedances occurring at each of the locations can be found in Table 2. All construction related exceedances are detailed in Table 3; further information on related remedial actions is detailed in the relevant NVIR.

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Table 2: Summary of Exceedances at Monitoring Locations

Monitoring Location	Summary of Exceedance Details				
Butlaw Fisheries	During October the maximum noise threshold was exceeded on 45 occasions (daytime, 13; evening, 6; night time, 26). Three daytime exceedances were due to piling works associated with the trial pit. However, a large number of exceedances were attributed to a range of non-construction factors, including waves on the shore, wind, birds (particularly during the early hours of the morning) and vehicles.				
Clufflat Brae	During October the maximum noise threshold was exceeded on 32 occasions (daytime, 12; evening, 4; night time, 16). Three daytime exceedances were found to be due to the intermittent noise of plant operating in close proximity to the meter. A number of the exceedances were also found to be due to birds, adverse weather conditions and fireworks.				
Inchgarvie Lodge	During October the maximum noise threshold was exceeded on 21 occasions (daytime, 10; evening, 4; night time, 7). No exceedances were found to be due to construction works. However, investigations found adverse weather and movements at the property to be the main contributing factors to the exceedances at this location.				
Linn Mill	During October the maximum noise threshold was exceeded on 35 occasions (daytime, 11; evening, 5; night time, 19). Four exceedances were due to construction works. However, the majority of exceedances were caused by a number of non-construction factors, notably adverse weather conditions, fireworks and birds.				
Tigh-Na- Grian	During October the maximum noise threshold was exceeded on 29 occasions (daytime, 14; evening, 0; night time, 15). Five night time exceedances were found to be due to construction works at the north tower caisson. However, the majority of the exceedances were due to non-construction factors including birds and windy weather conditions.				
Echline	During October the maximum noise threshold was exceeded on 24 occasions. No exceedances at this location were due to construction activities. Exceedances were attributed to vehicles passing by on the adjacent roads, dogs and children making noise nearby the monitor and adverse weather conditions.				
Dundas Home Farm	During October the maximum noise threshold was exceeded on 5 occasions. Exceedances were not attributable to construction works. Exceedances were due to gardening activities near the meter, birds and planes.				
Springfield	During October the maximum noise threshold was exceeded on 11 occasions. No exceedances at this location were due to construction activities. The majority of non-construction related exceedances were due to residents at the nearby properties.				



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Scotstoun	During October the maximum noise threshold was exceeded on 23 occasions. Exceedances were attributed to vehicles passing by on the adjacent road.
Whinny Hill	During October the maximum noise threshold was exceeded on 14 occasions. Exceedances were not due to construction activities. A range of factors were found to cause exceedances at this location, including birds and wind.

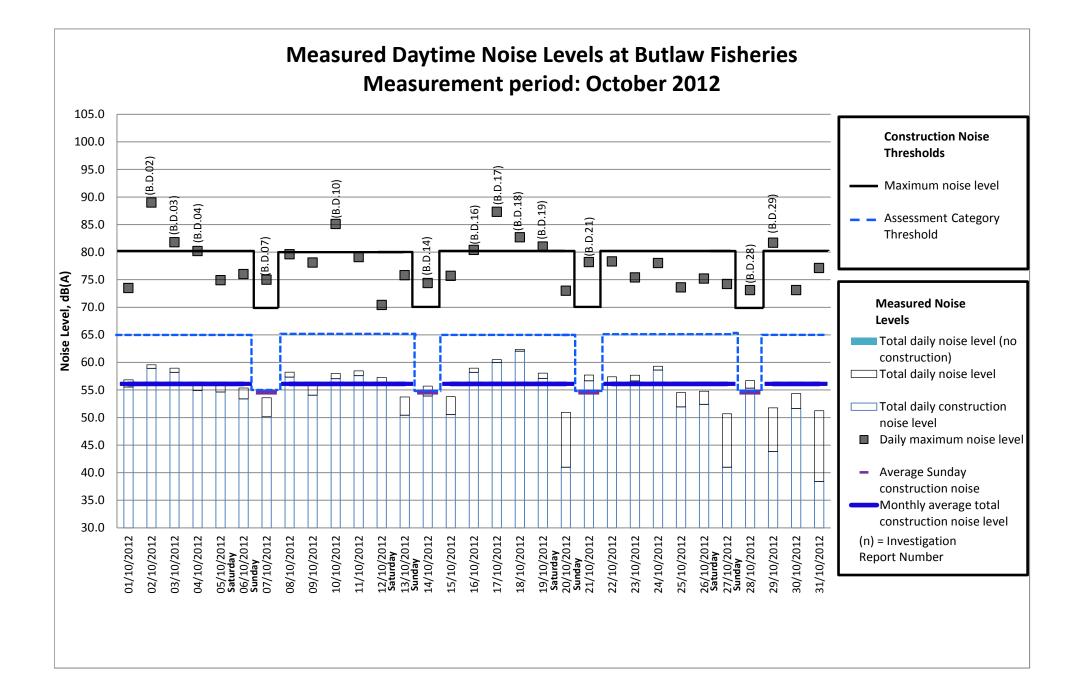
Table 3: Summary of Construction Exceedances at Monitoring Locations

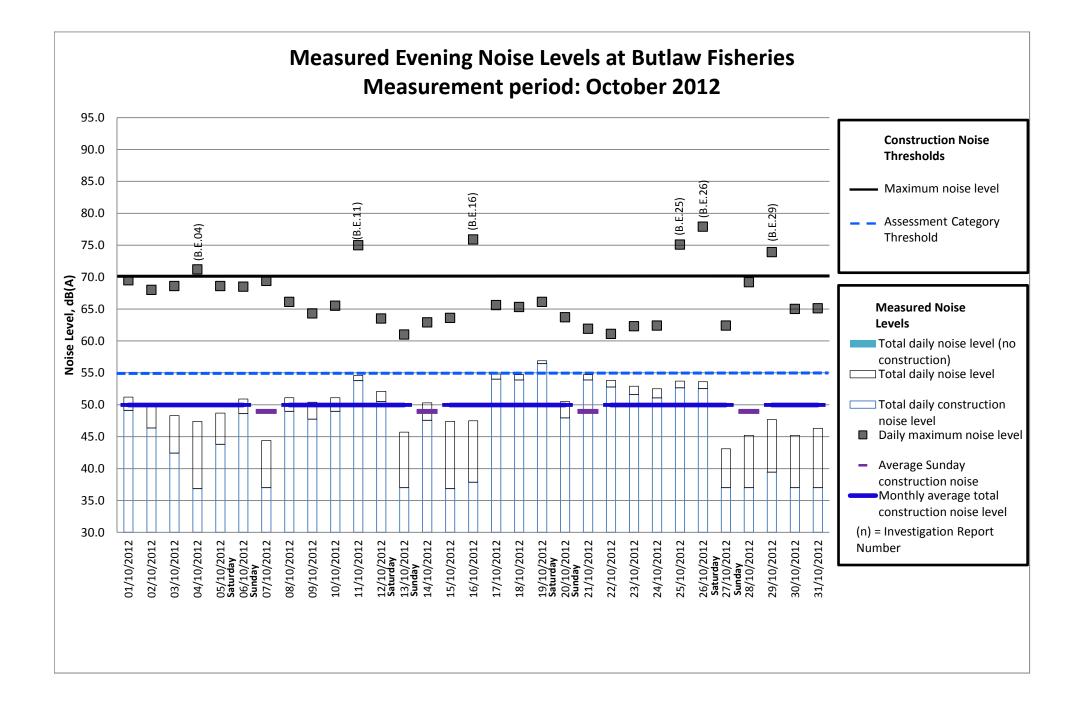
Monitor	Date	Period	Description	NVIR No.
Linn Mill	10/10/12	Day	Intermittent plant	L.D.101012
	11/10/12	Day		L.D.111012
	16/10/12	Day		L.D.161012
	19/10/12	Day		L.D.191012
Clufflat	12/10/12	Day	Intermittent plant	C.D.121012
	13/10/12	Day		C.D.131012
	15/10/12	Day		C.D.151012
Tigh-Na-Grian	23/10/12	Night	North tower caisson works	T.N.231012
	26/10/12	Night		T.N.261012
	27/10/12	Night		T.N.271012
	28/10/12	Night		T.N.281012
	29/10/12	Night		T.N.291012
Butlaw	16/10/12	Day	Piling at Trial Pit	B.D.161012
	17/10/12	Day		B.D.171012
	18/10/12	Day		B.D.181012

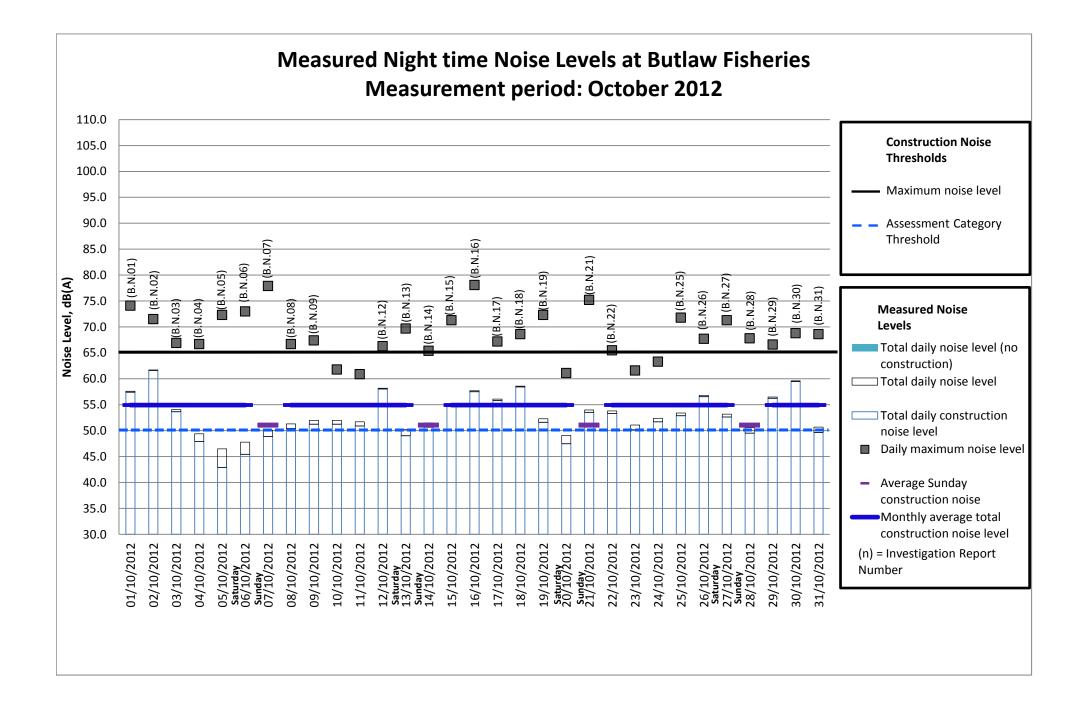


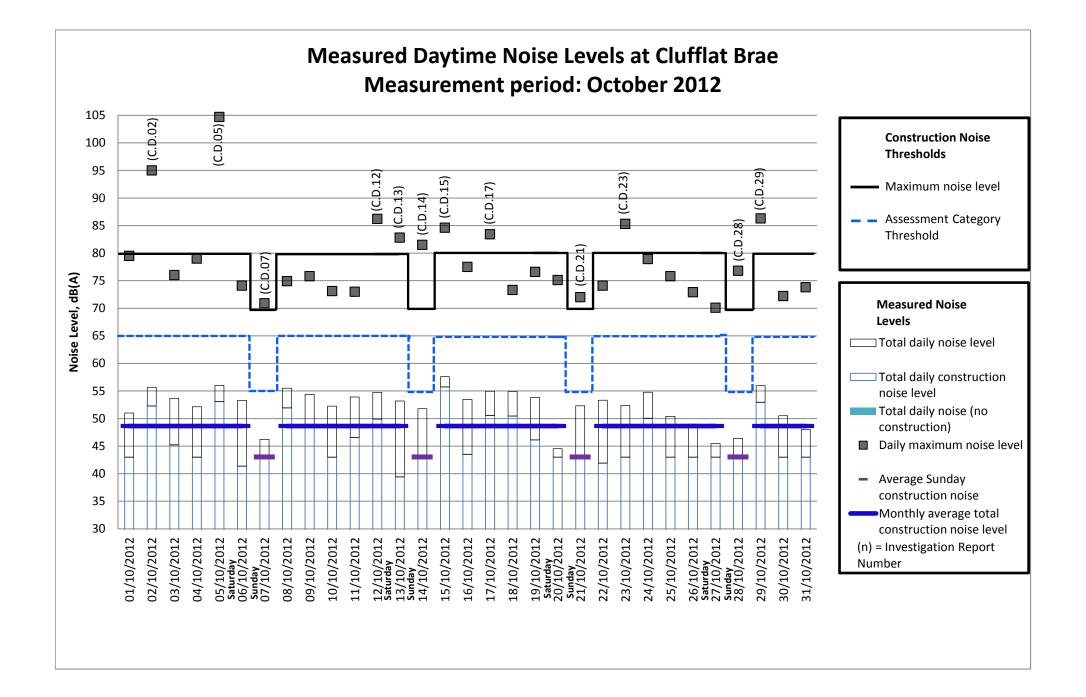
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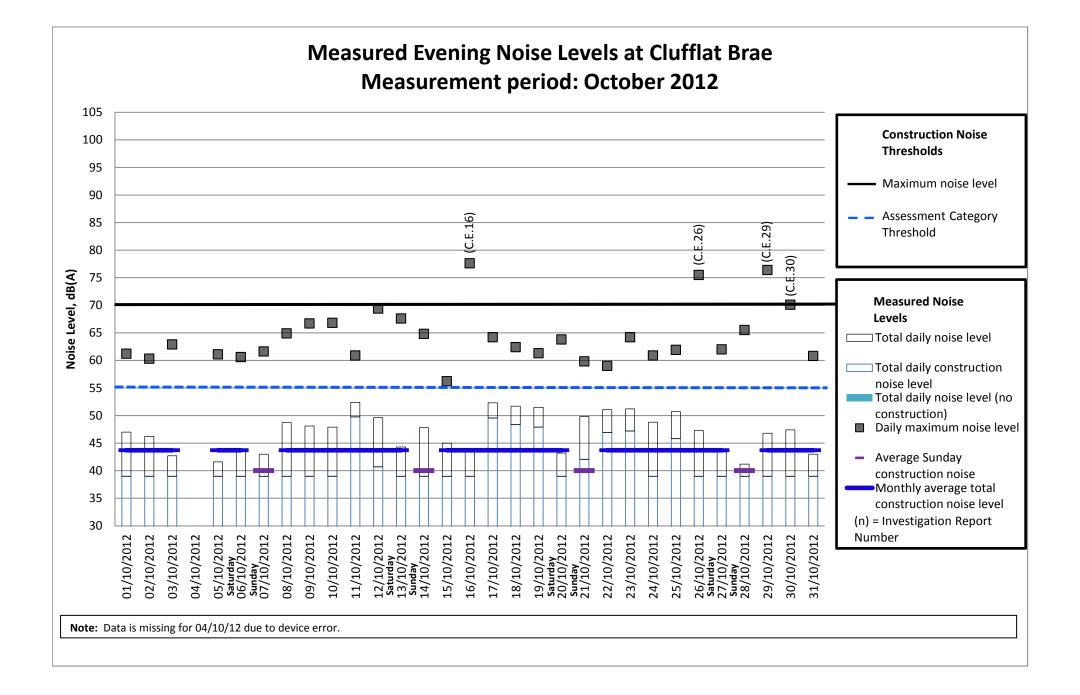
APPENDIX A

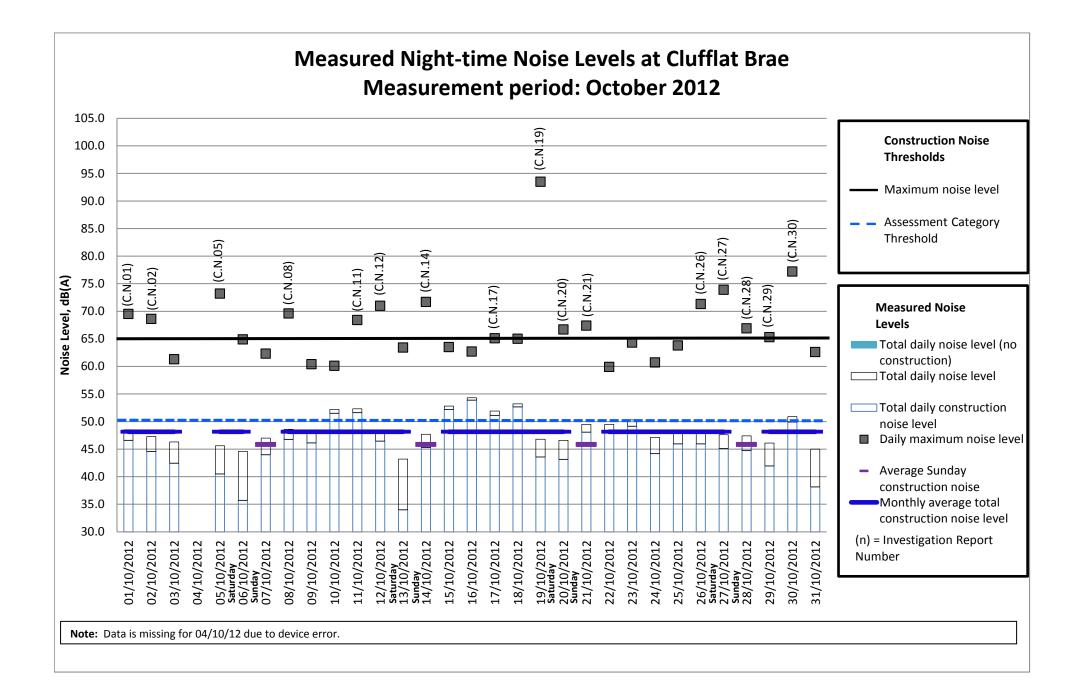


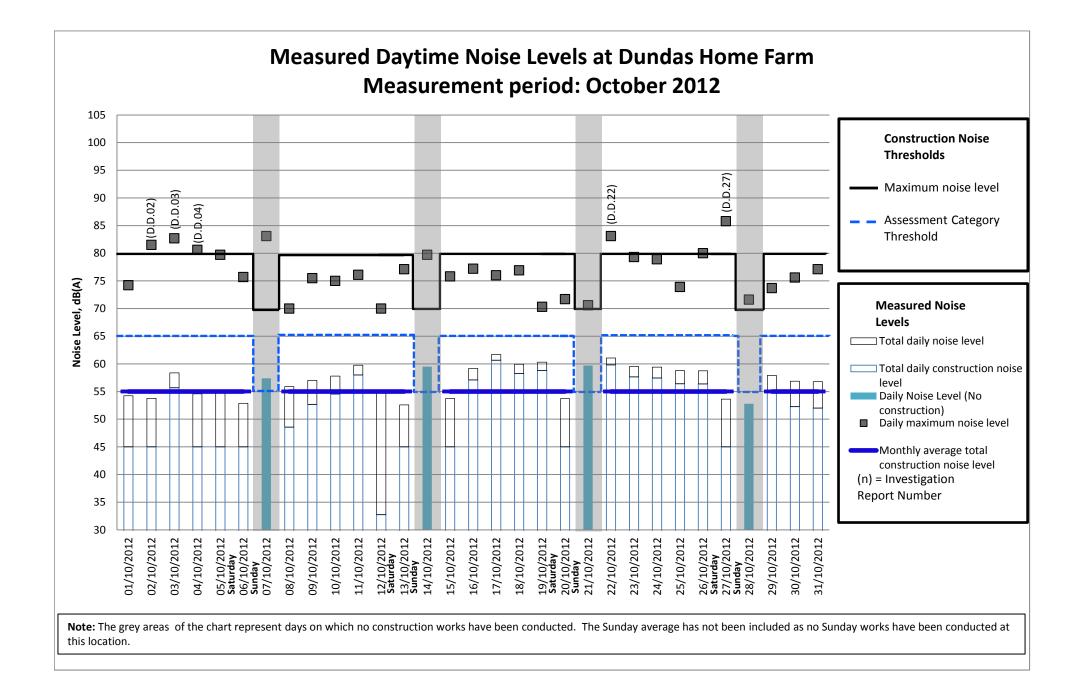


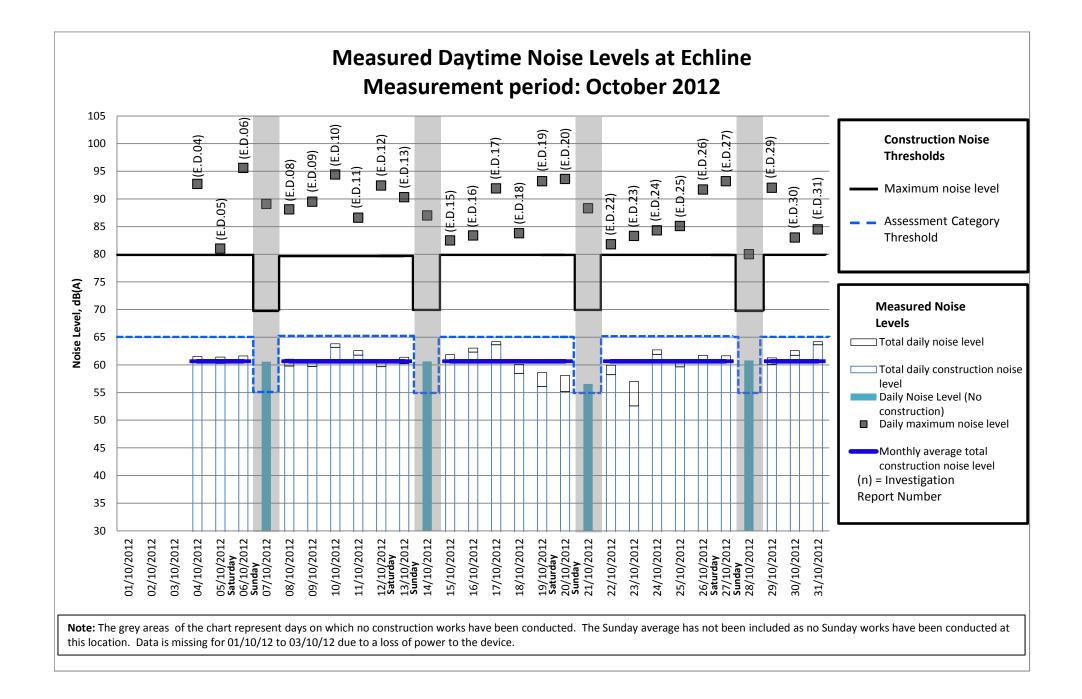


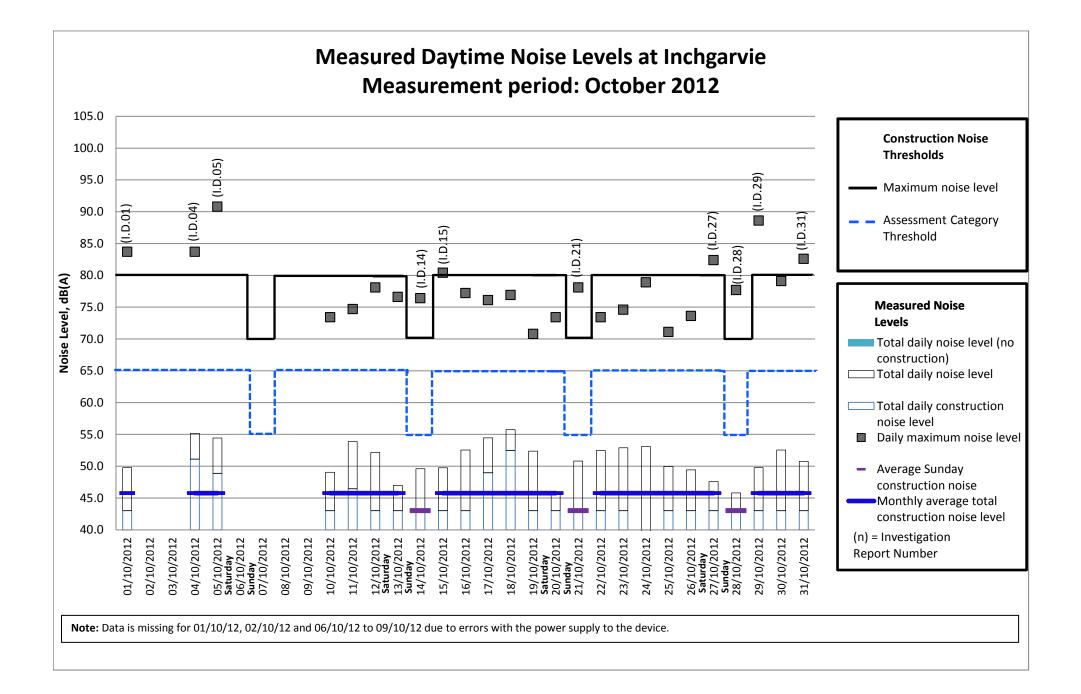


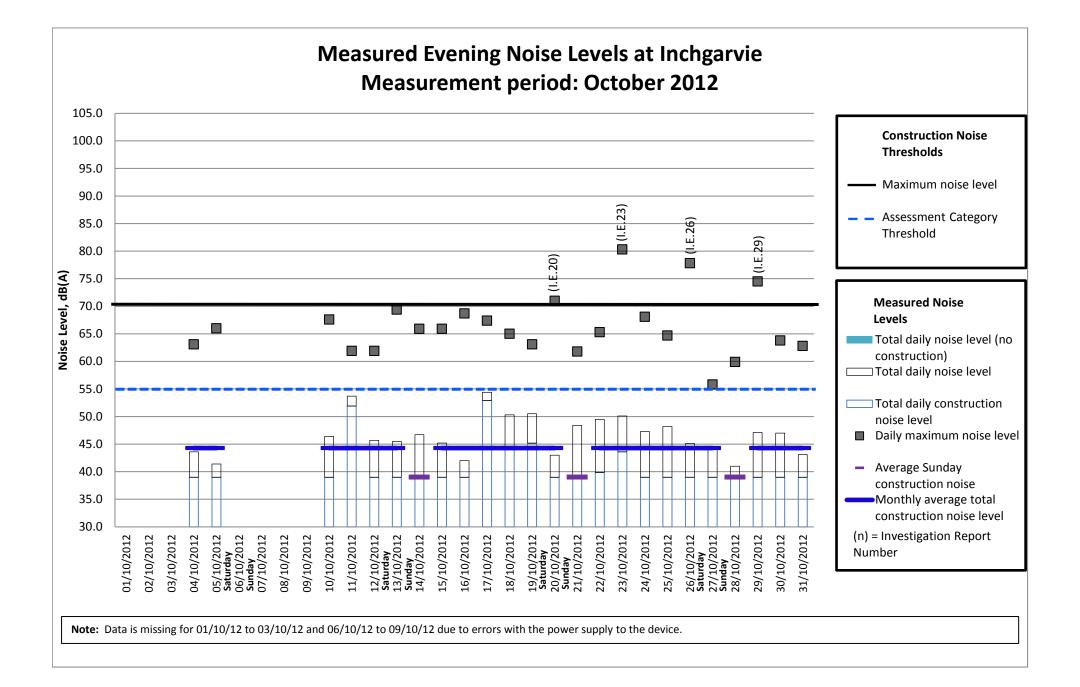


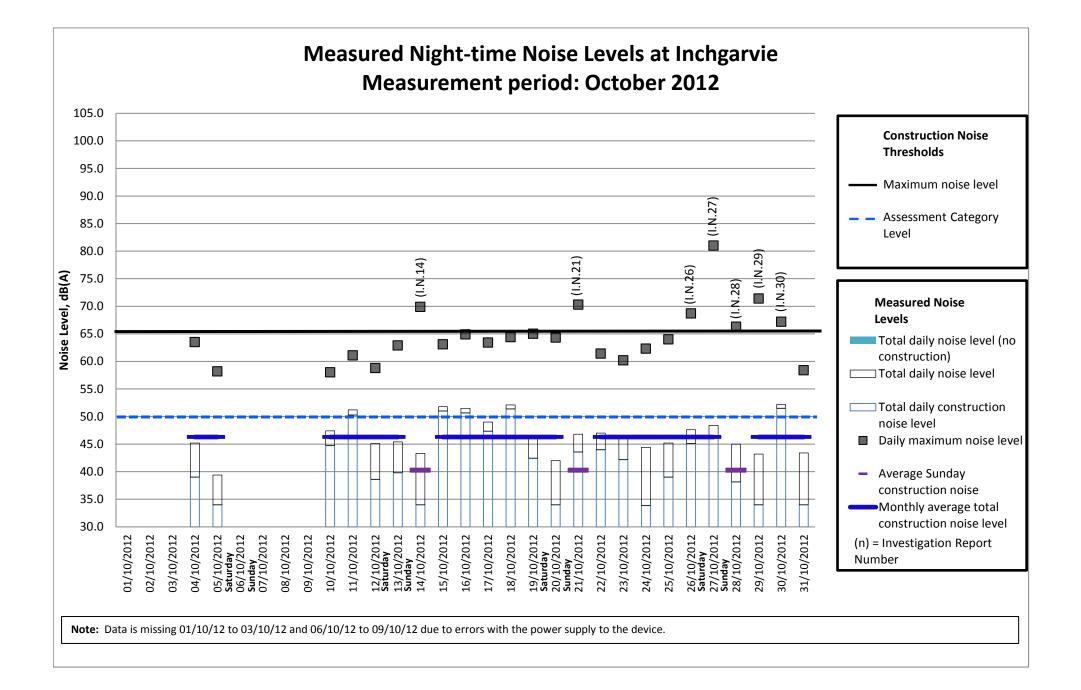


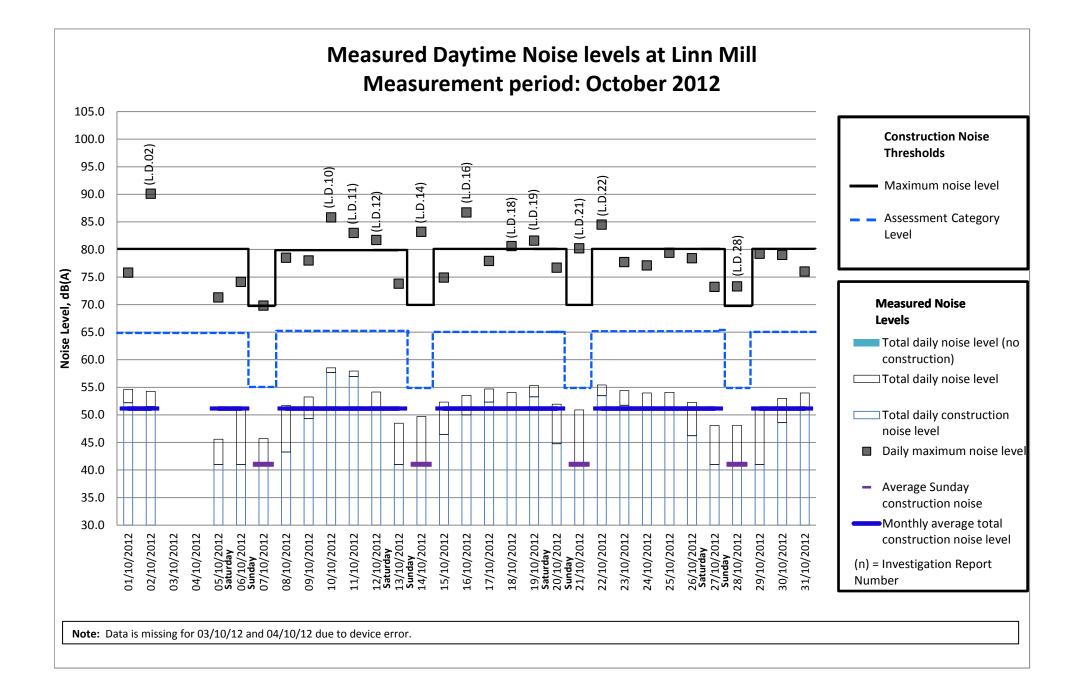


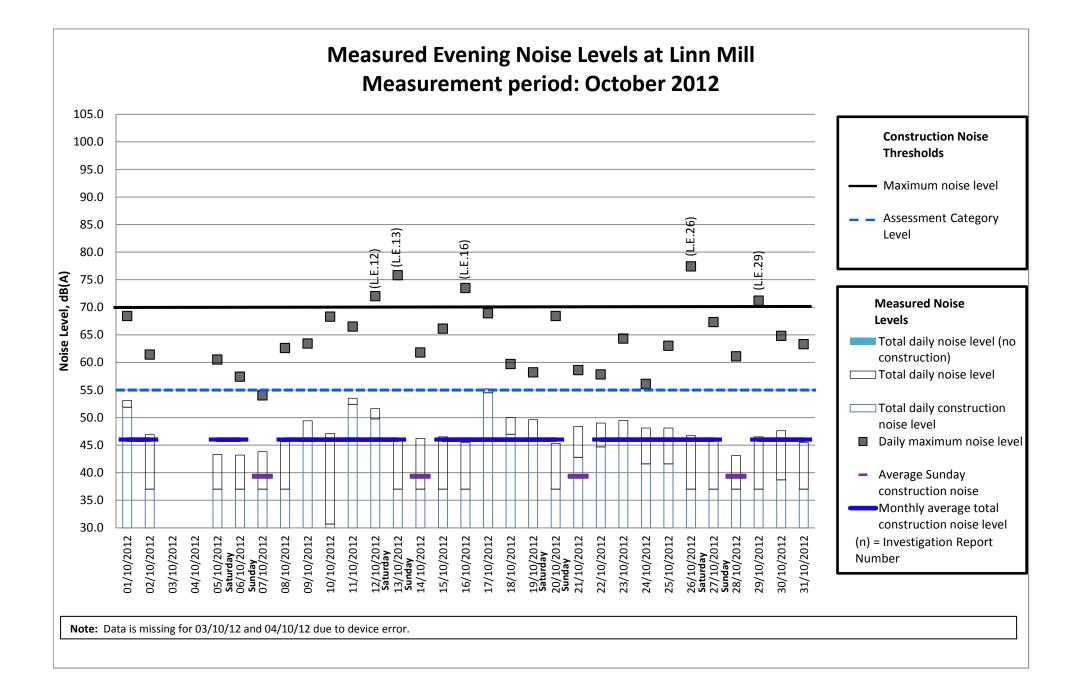


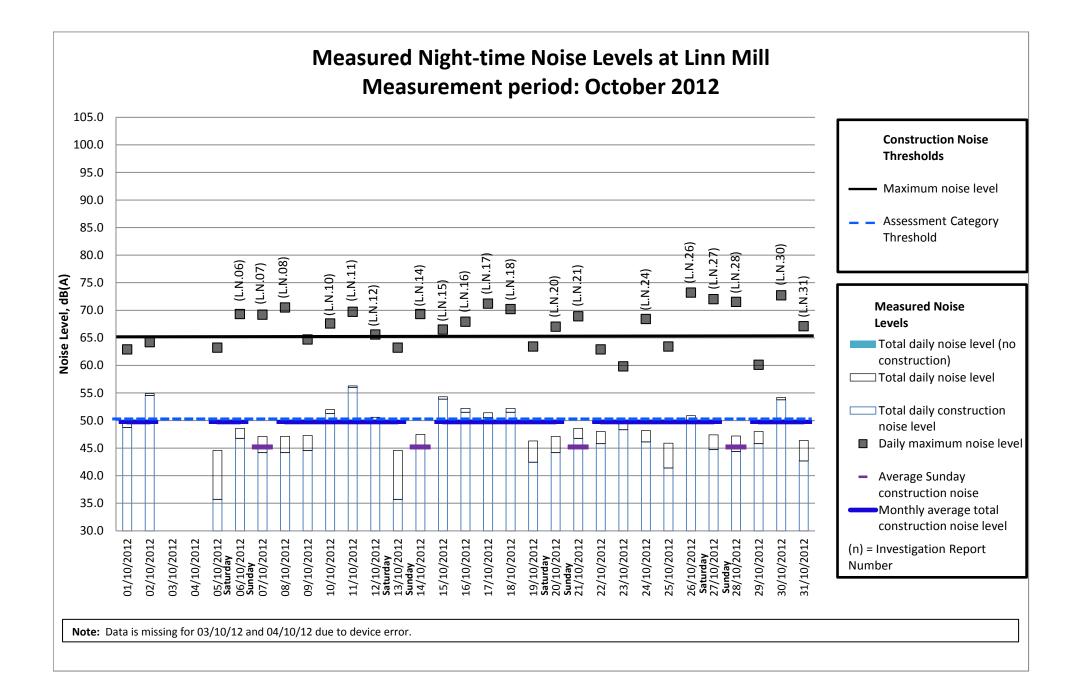


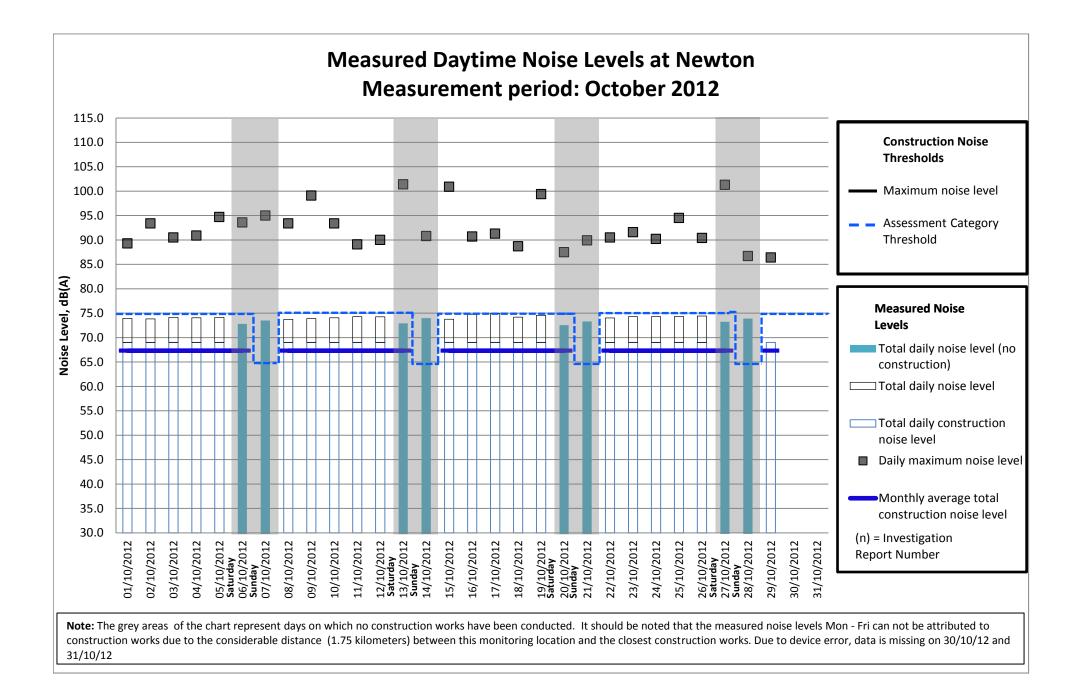


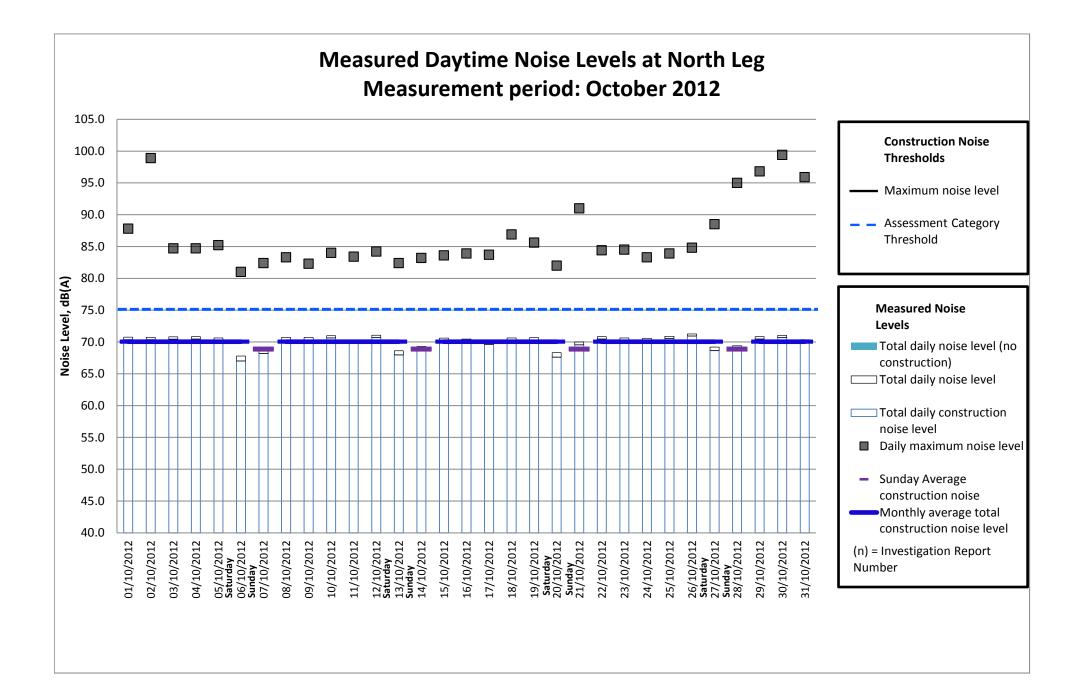


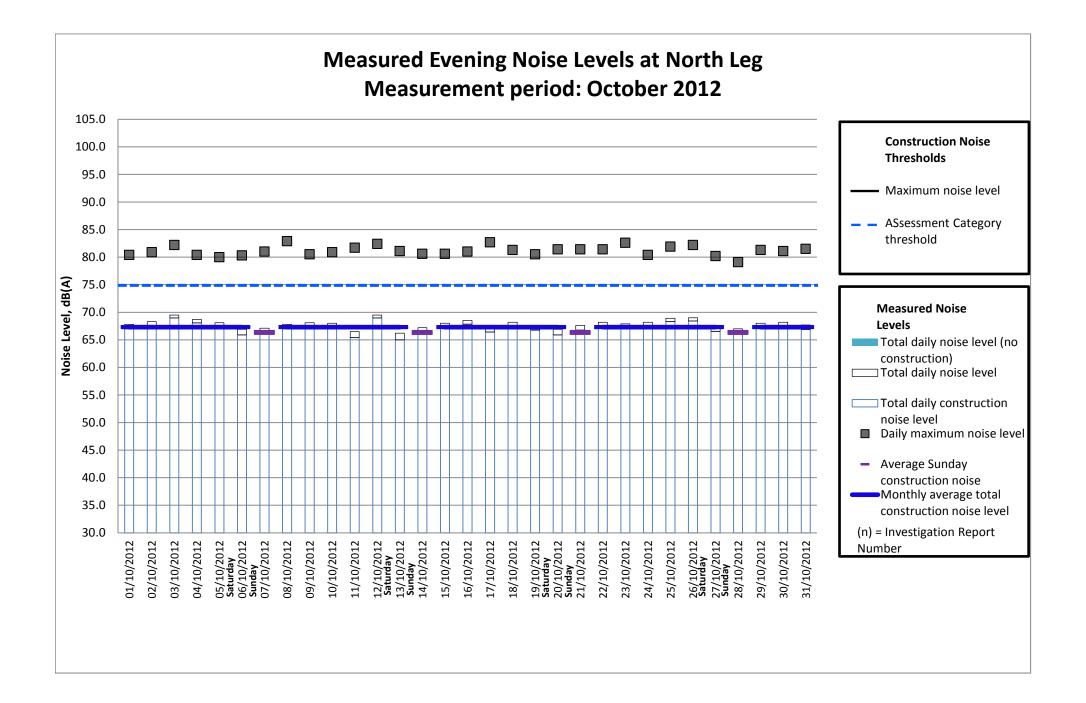


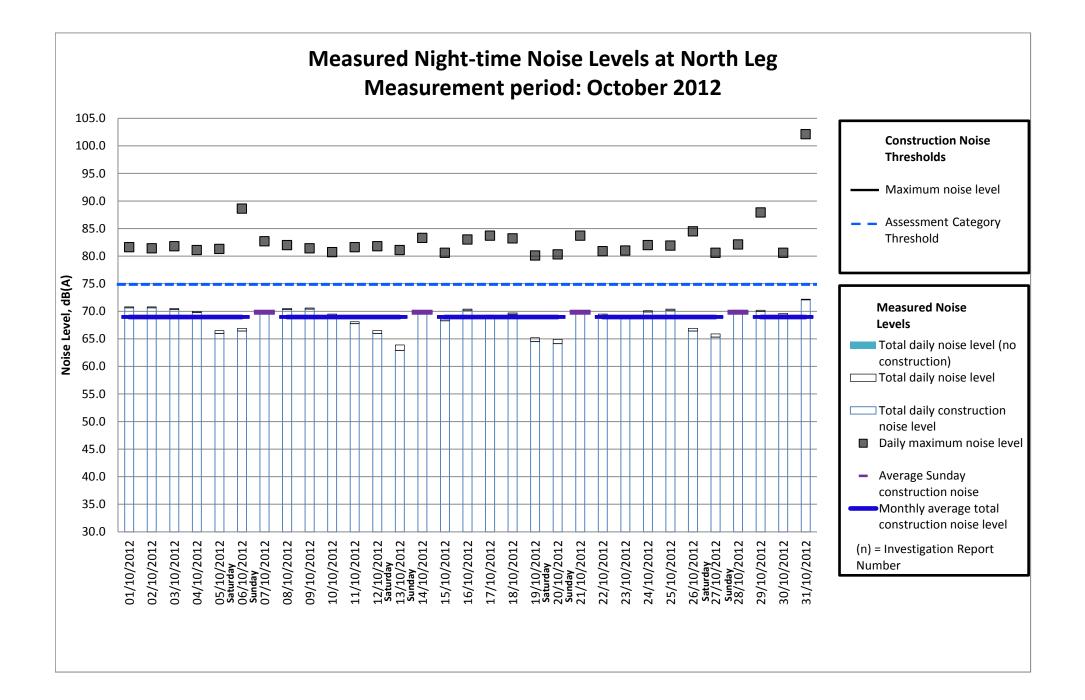


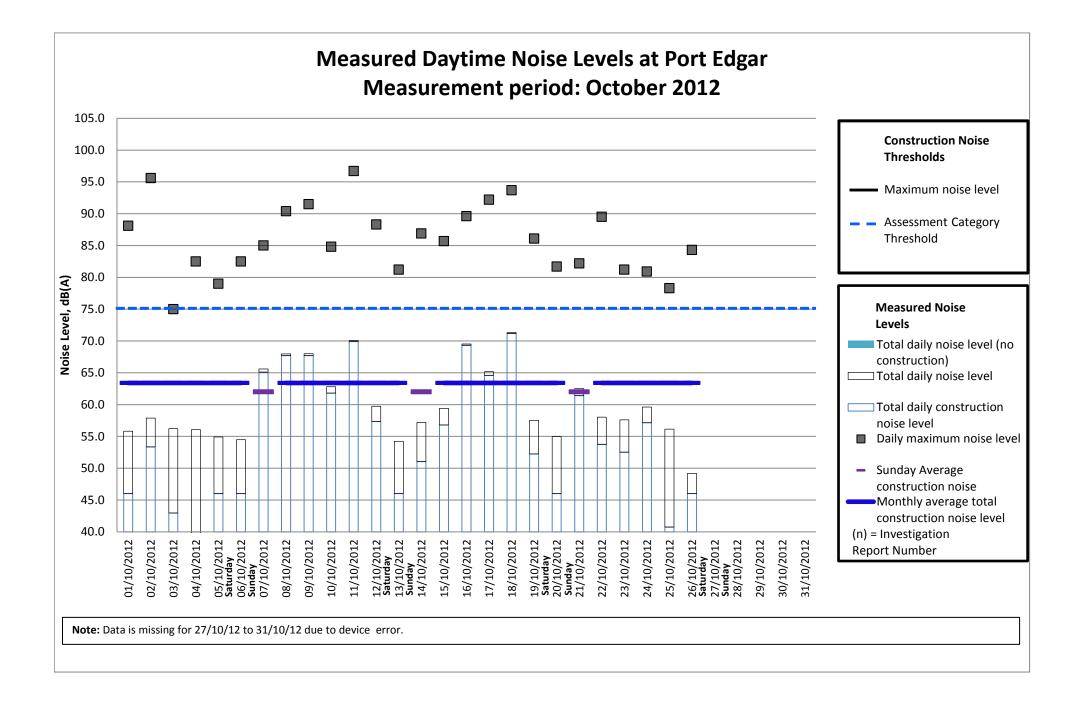


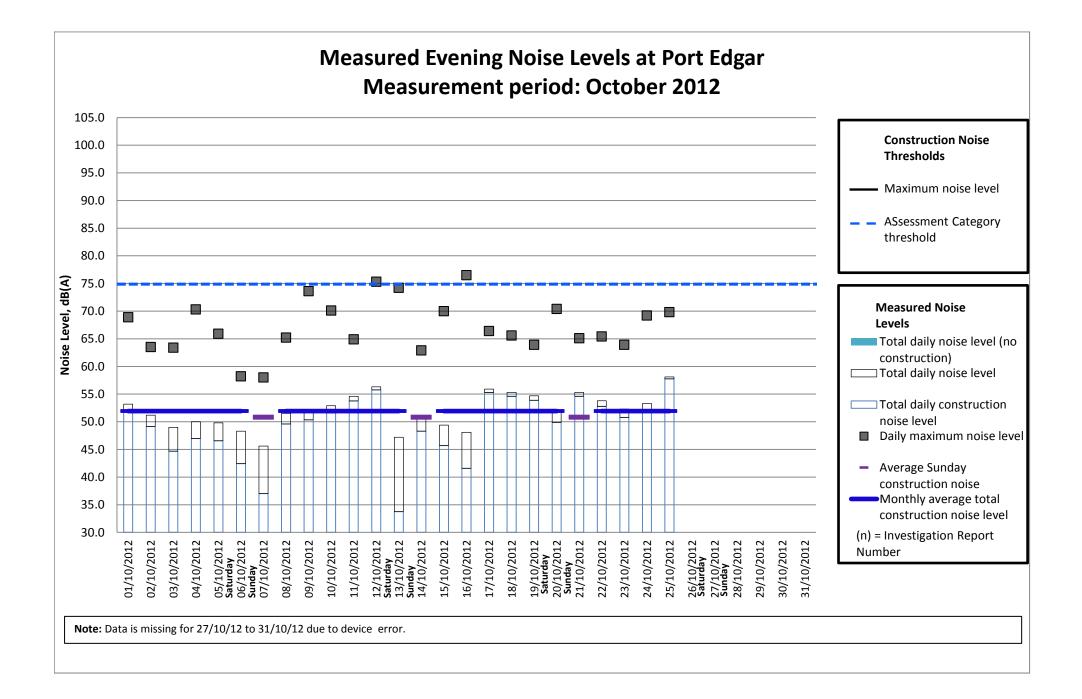


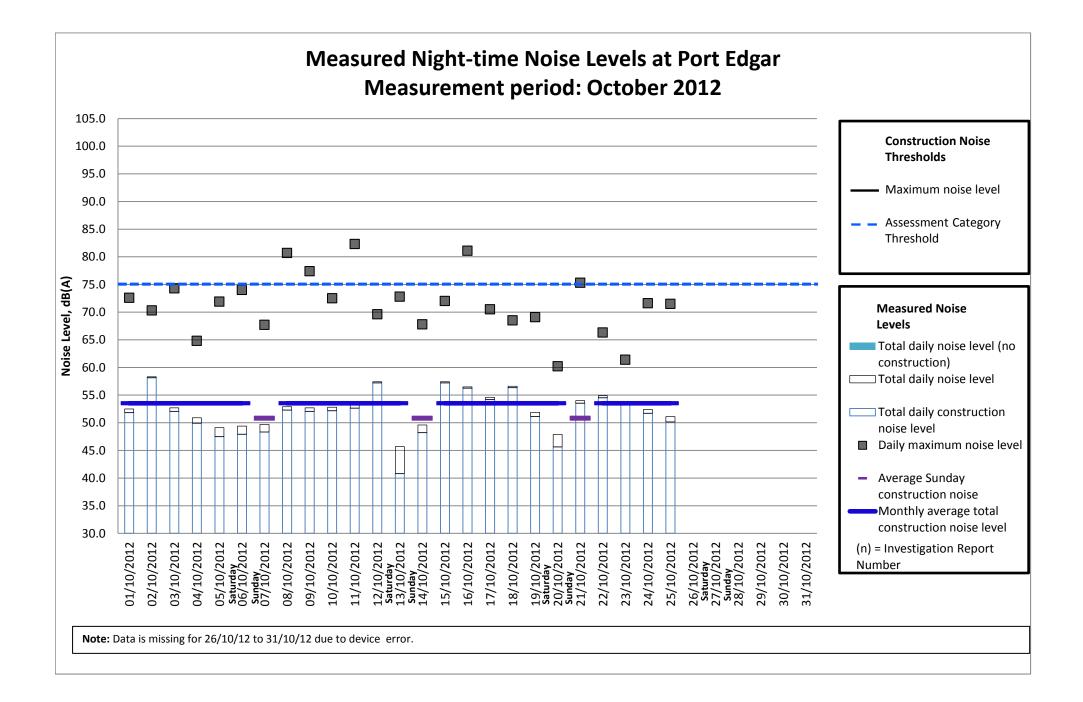


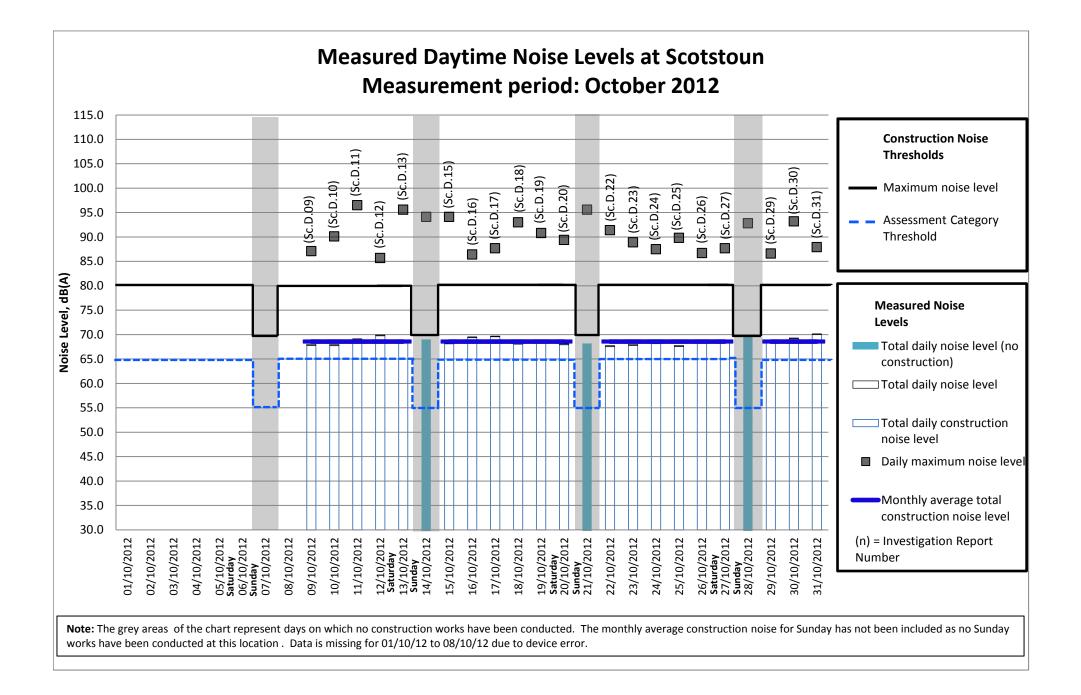


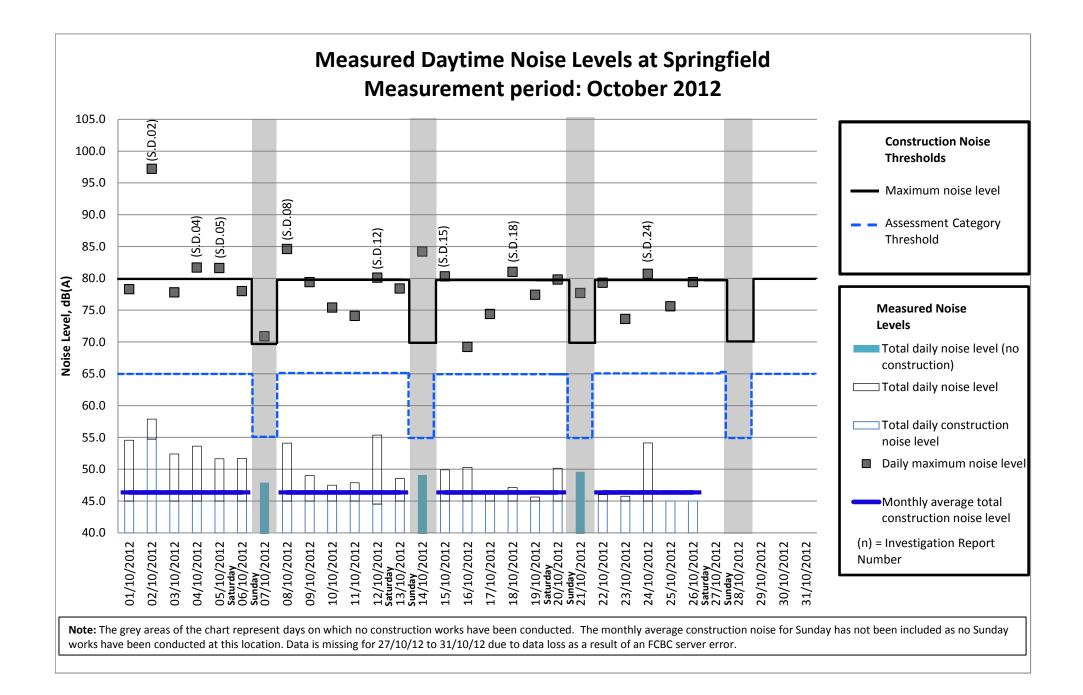


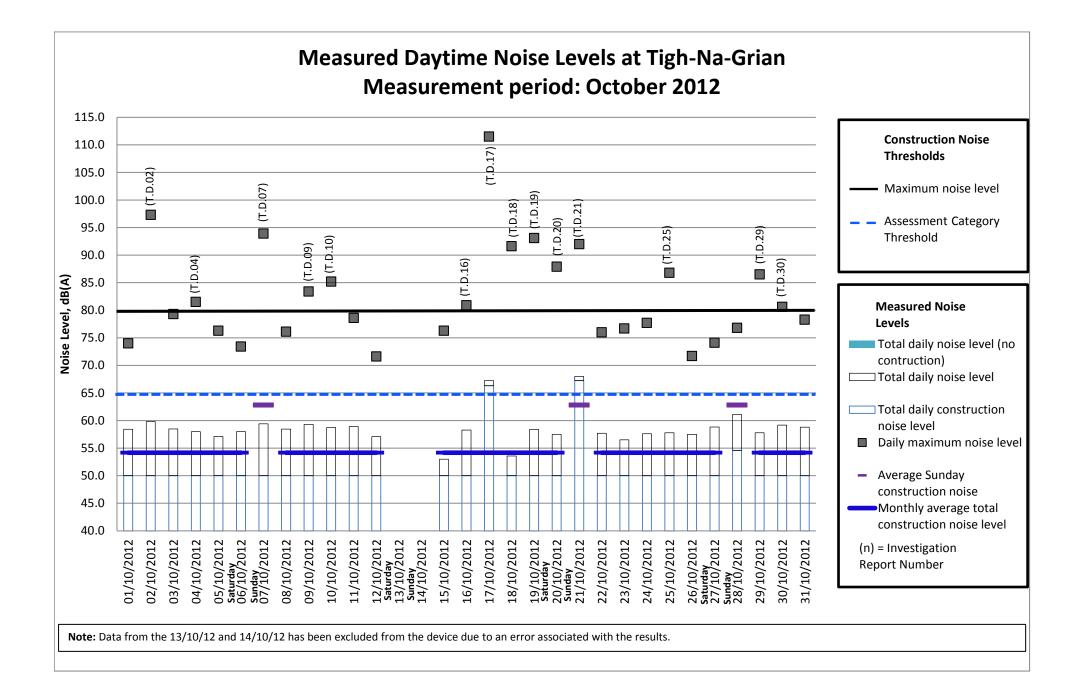


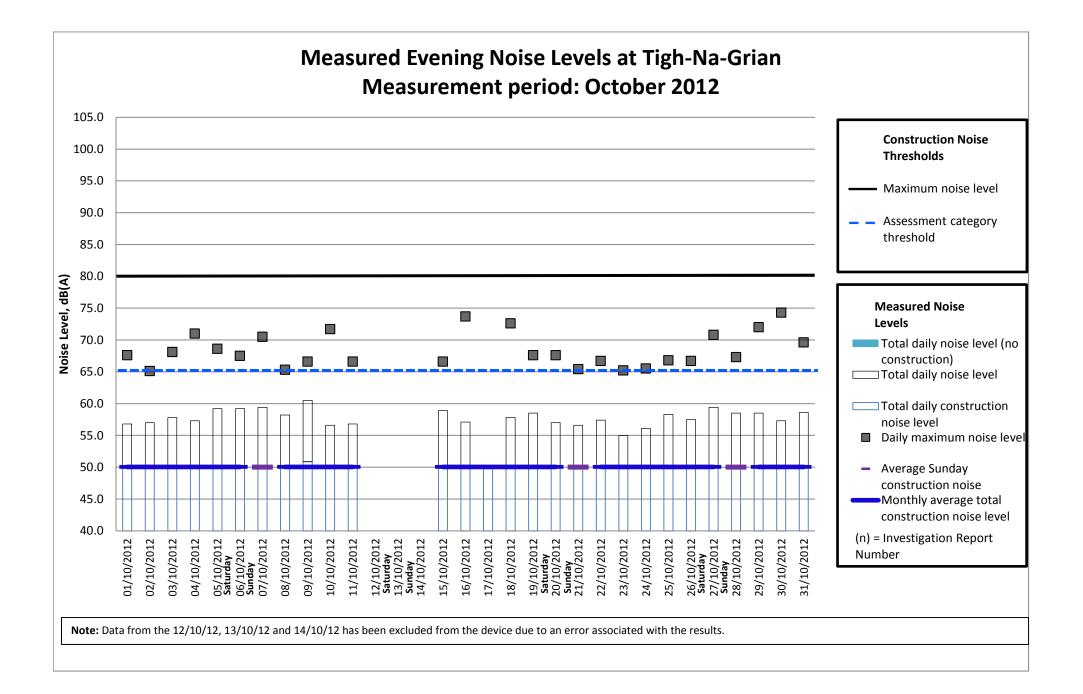


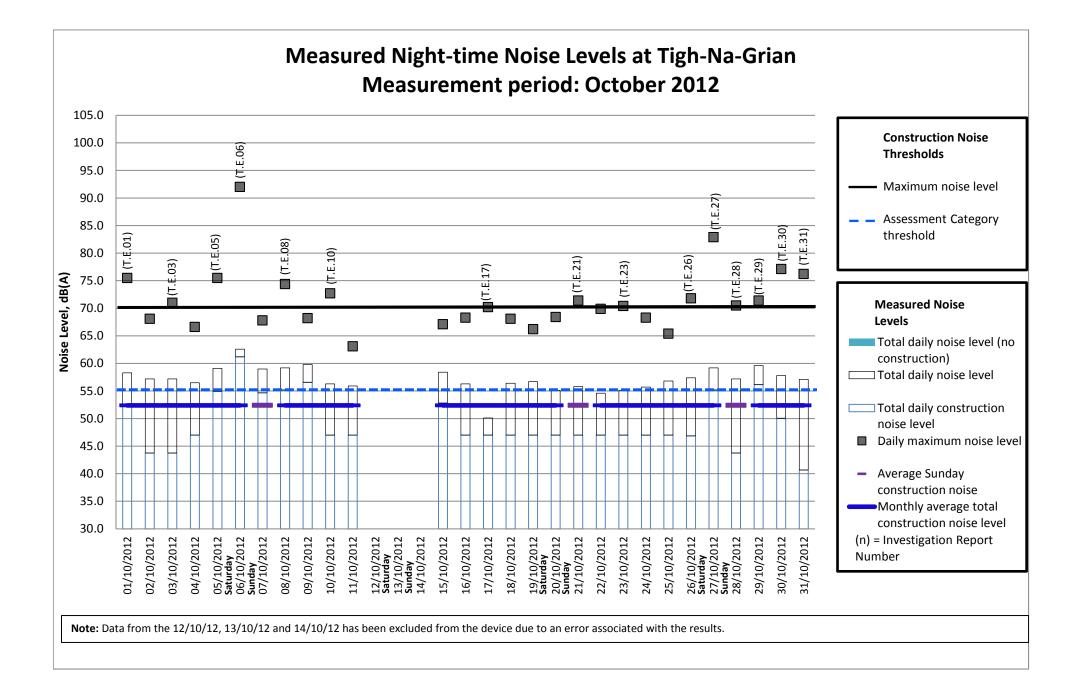


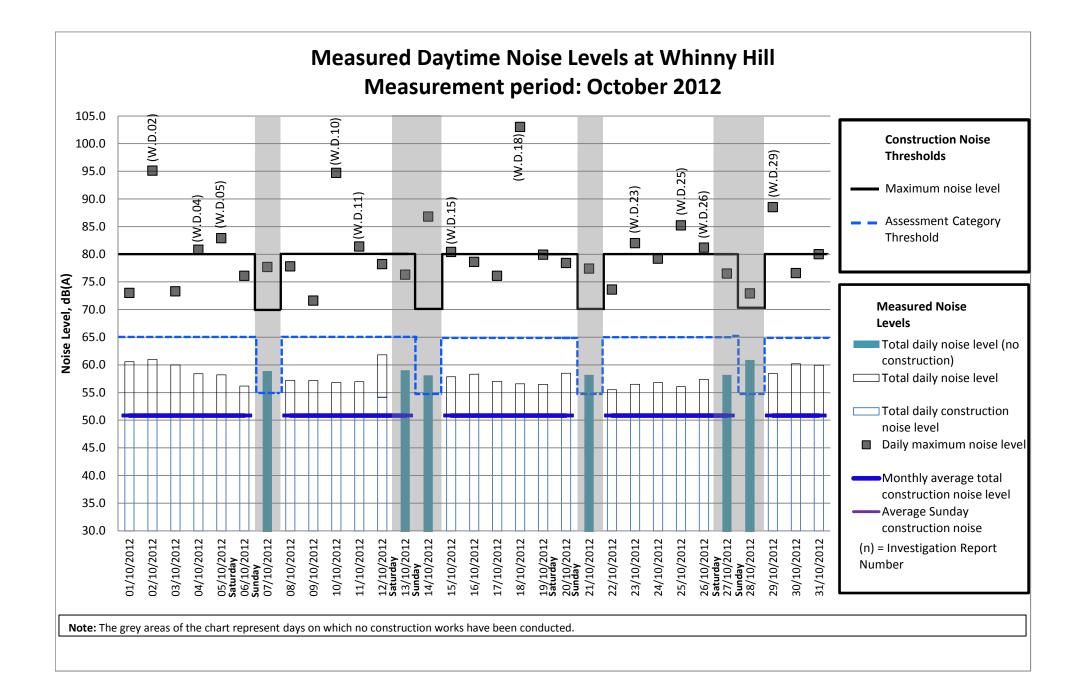






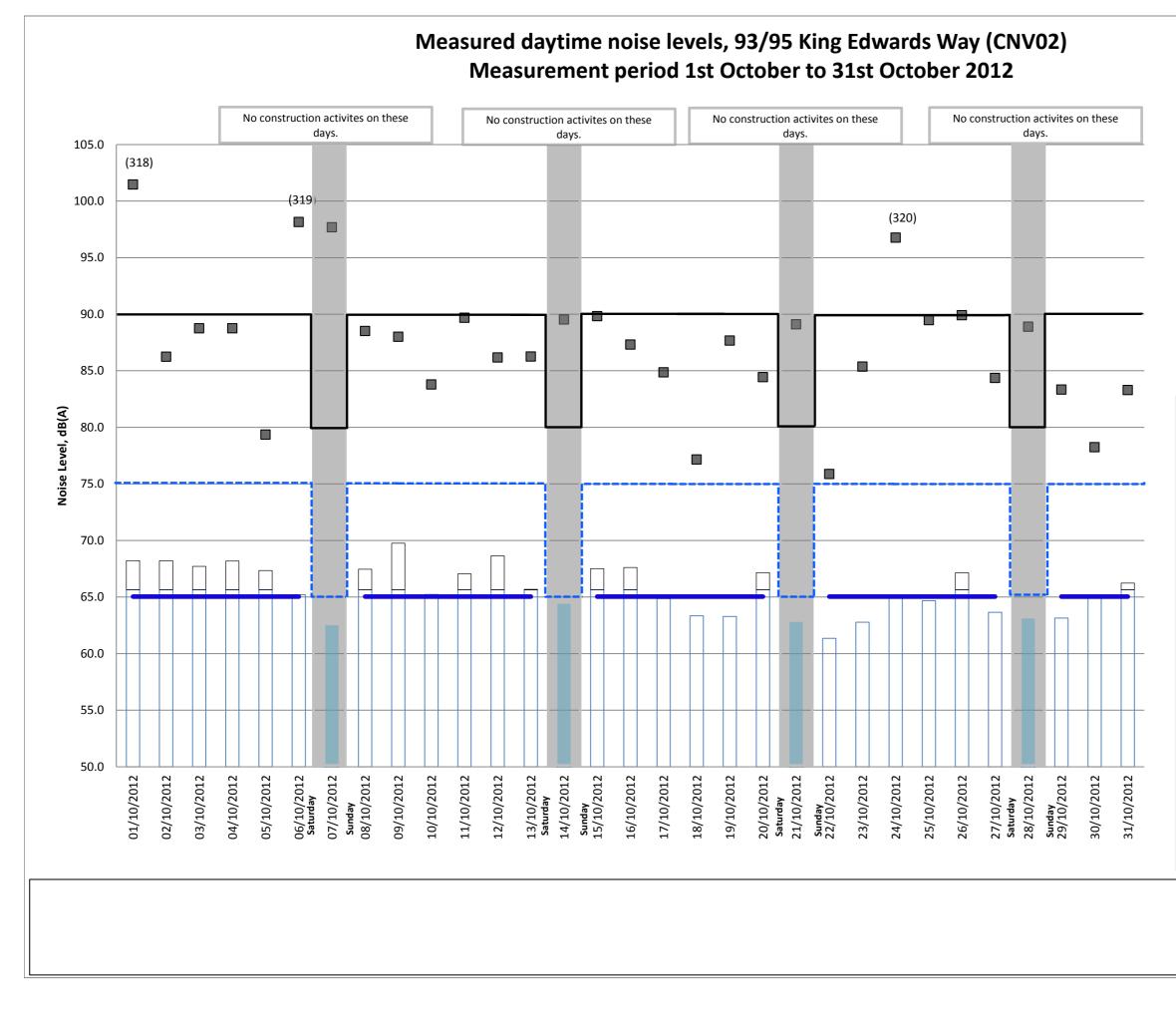


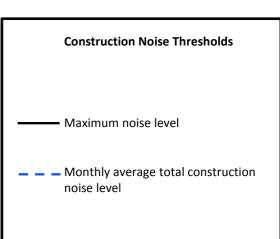




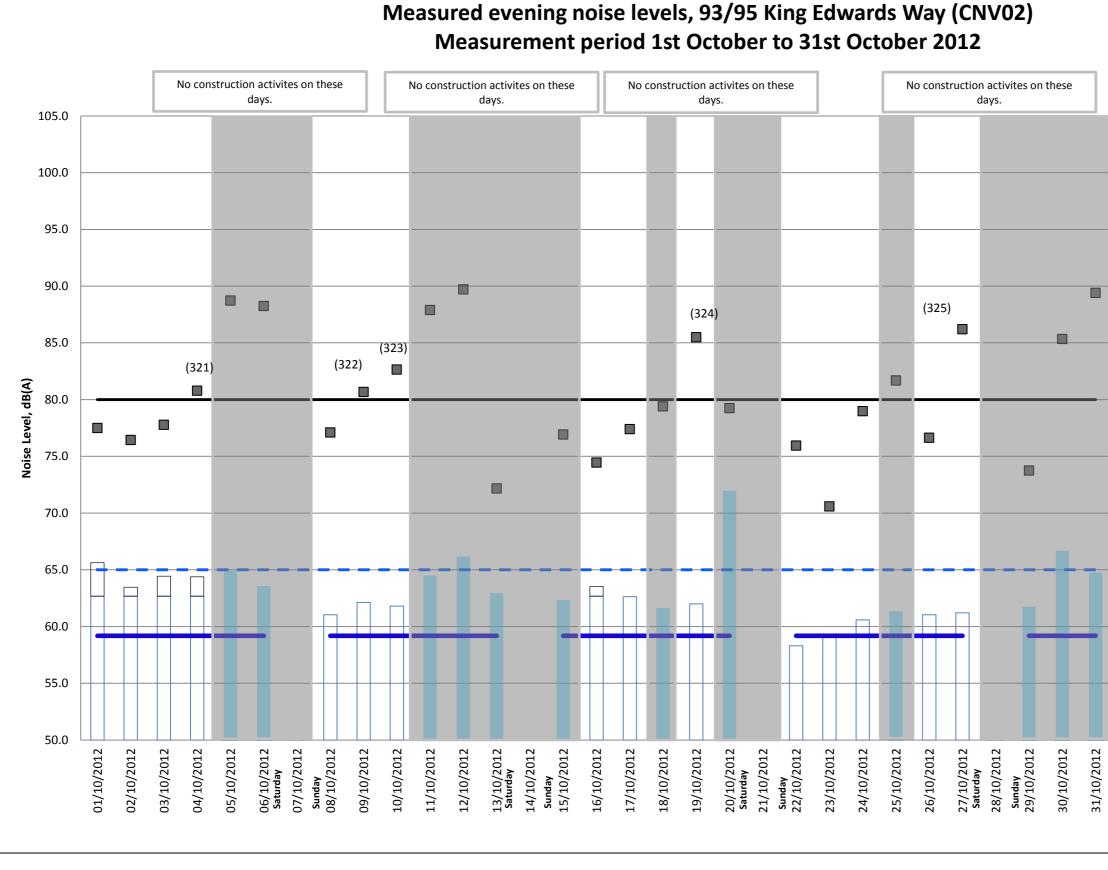
APPENDIX B -

M9 J1A CONTRACT - CONSTRUCTION NOISE MONITORING REPORTS

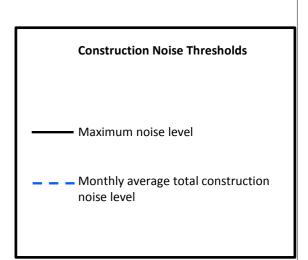


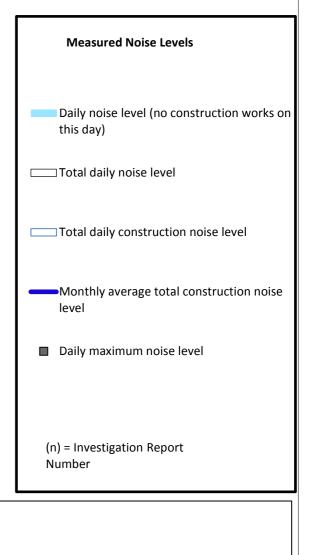


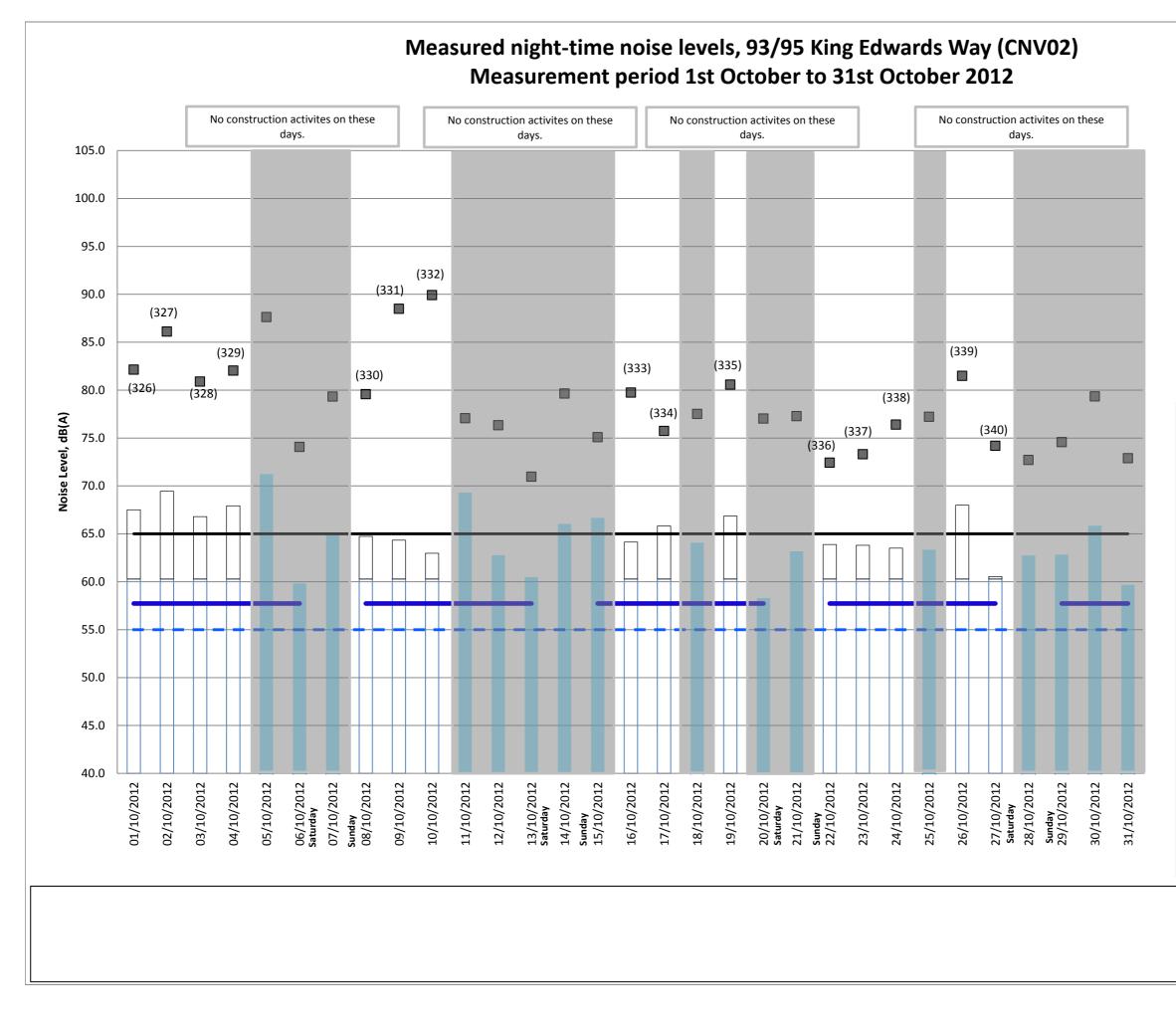
Measured Noise Levels
Daily noise level (no construction works on this day)
Total daily noise level
Total daily construction noise level
Monthly average total construction noise level
Daily maximum noise level
(n) = Investigation Report Number

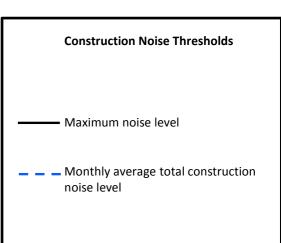


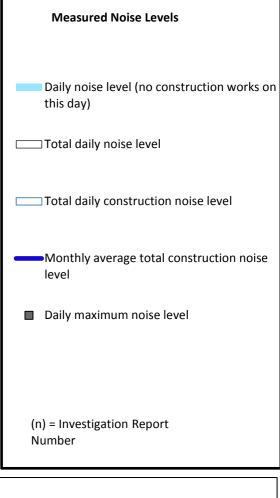
No data is included for Sundays as Sunday evenings are not defined in the Contract or CoCP.

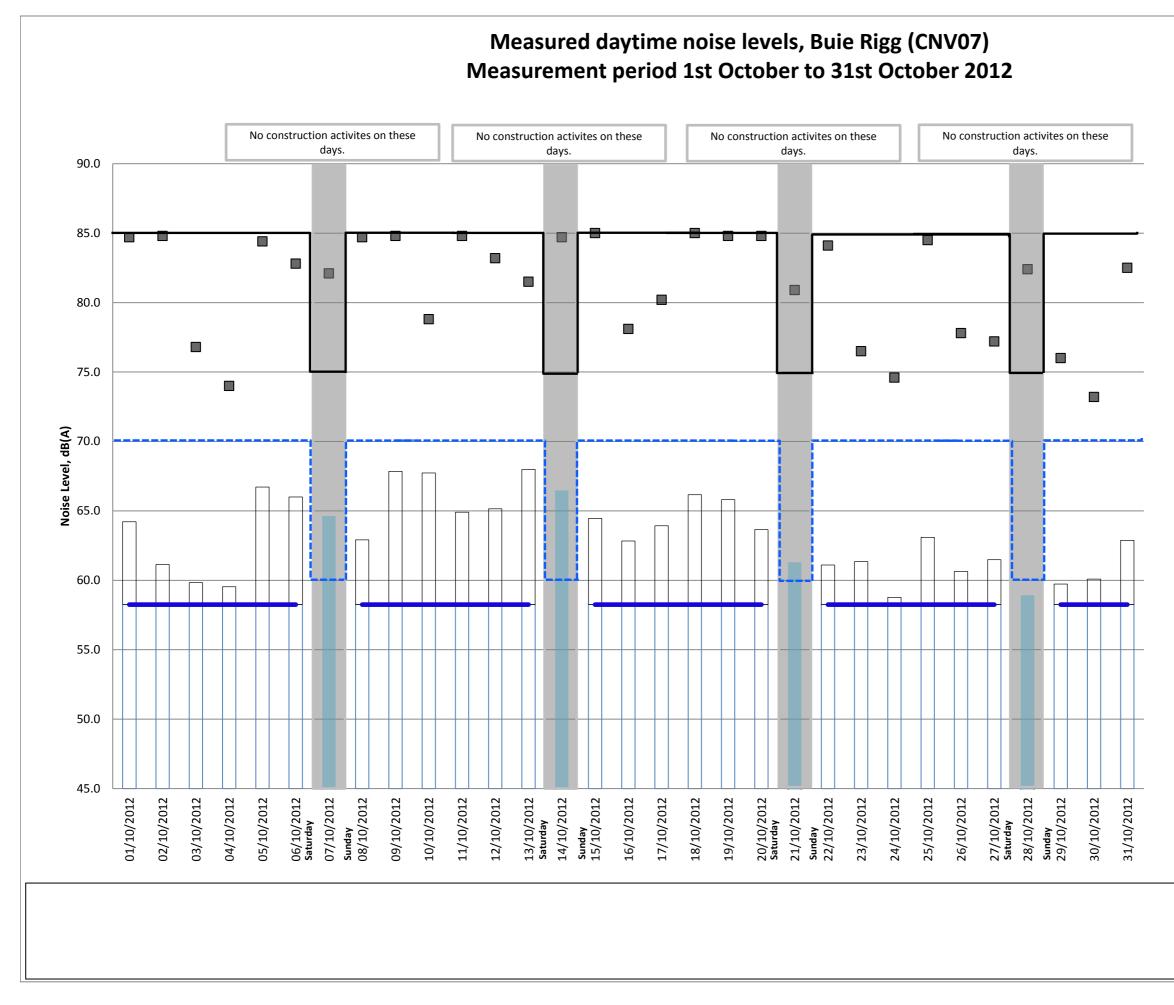


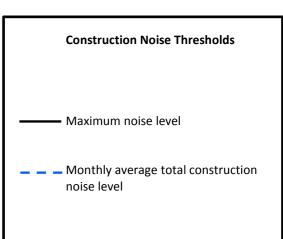


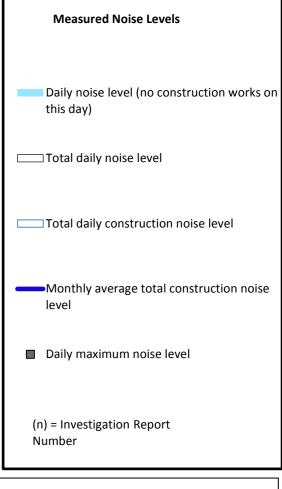




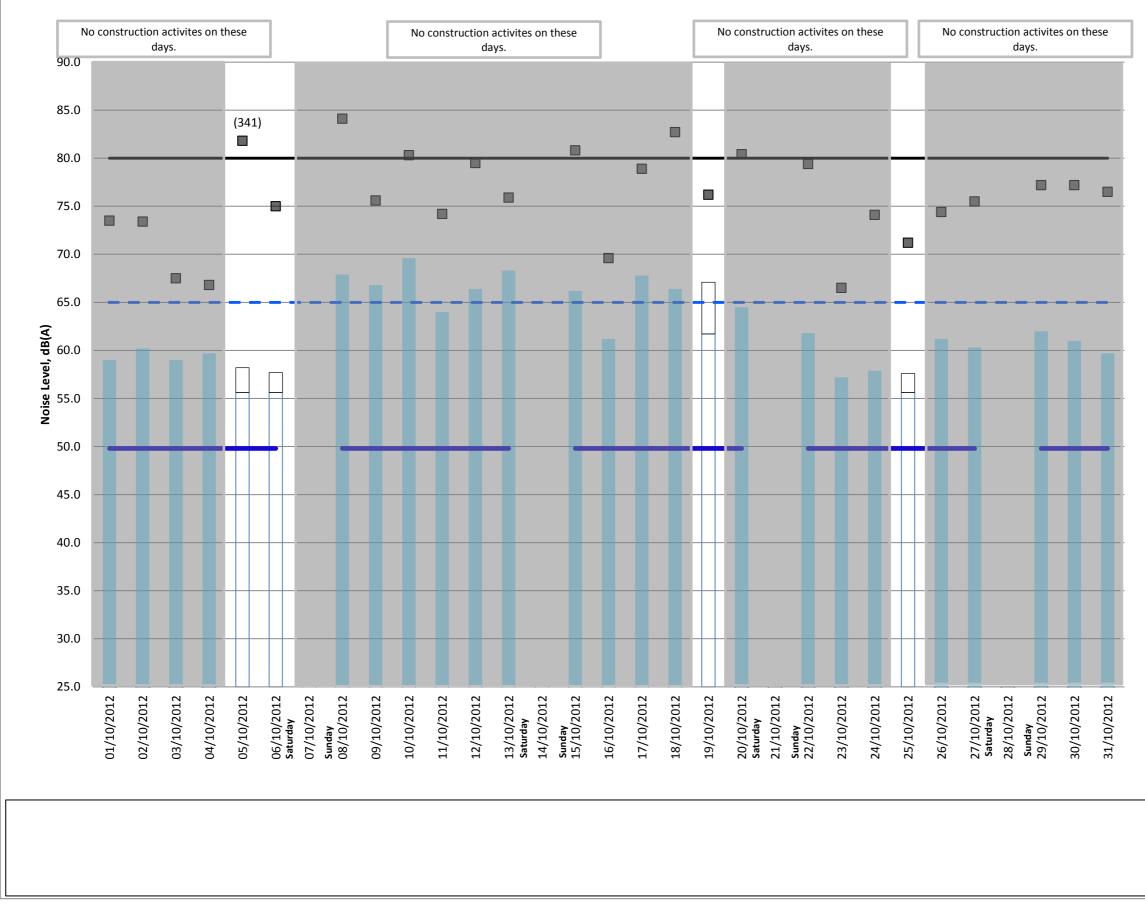


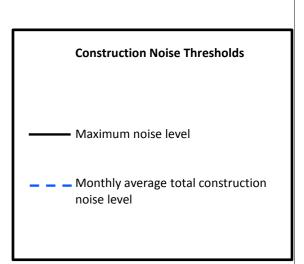






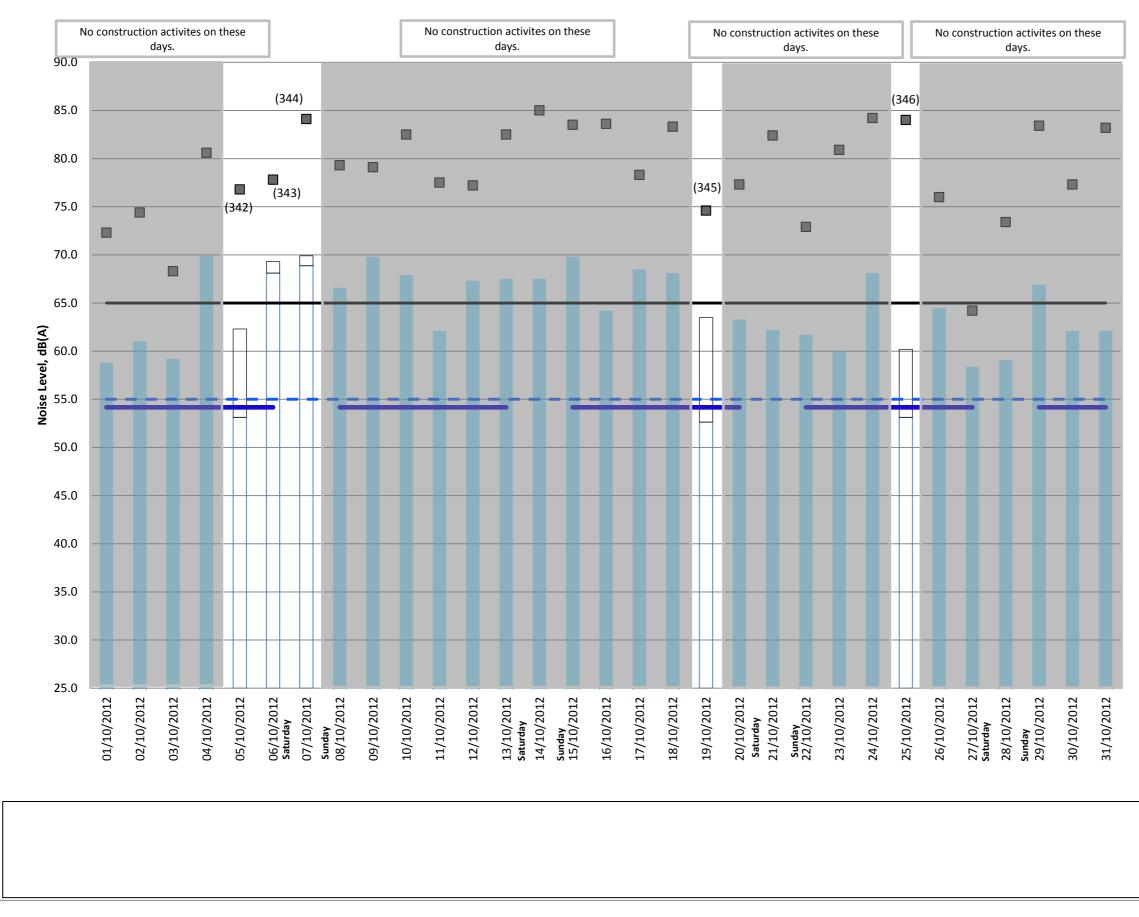
Measured evening noise levels, Buie Rigg (CNV07) Measurement period 1st October to 31st October 2012

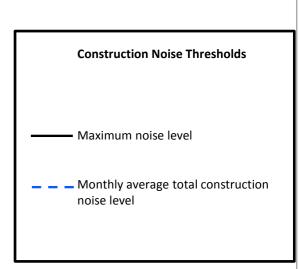


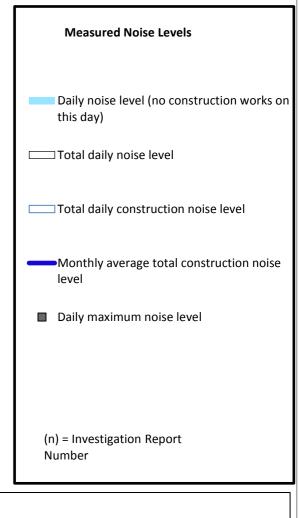


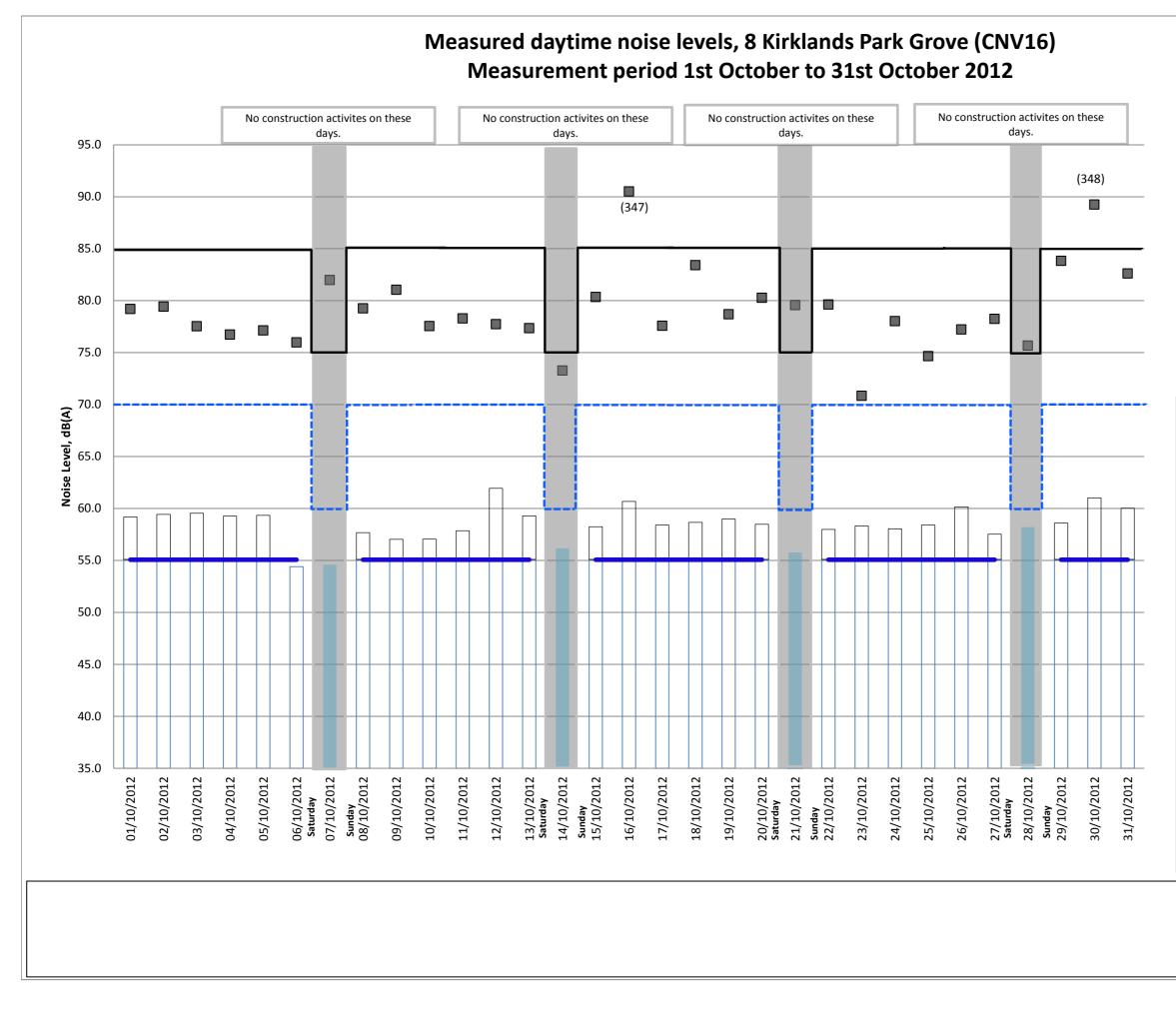
Measured Noise Levels
Daily noise level (no construction works on this day)
Total daily noise level
Total daily construction noise level
Monthly average total construction noise level
Daily maximum noise level
(n) = Investigation Report Number

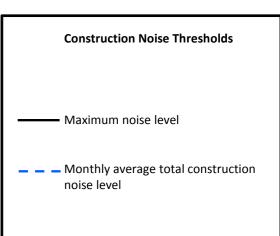
Measured night-time noise levels, Buie Rigg (CNV07) Measurement period 1st October to 31st October 2012

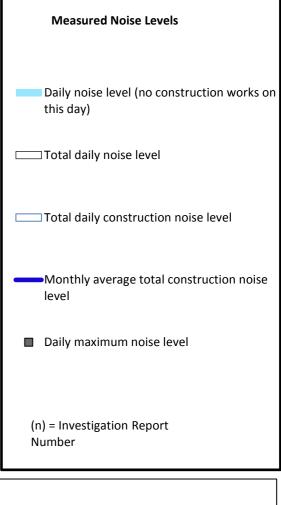






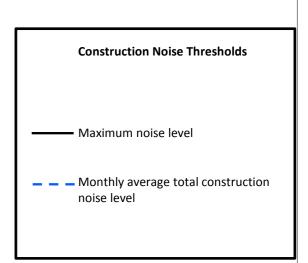


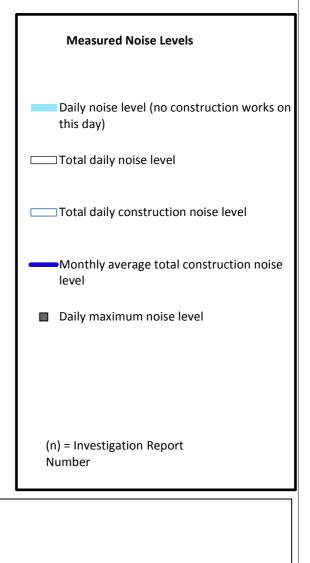


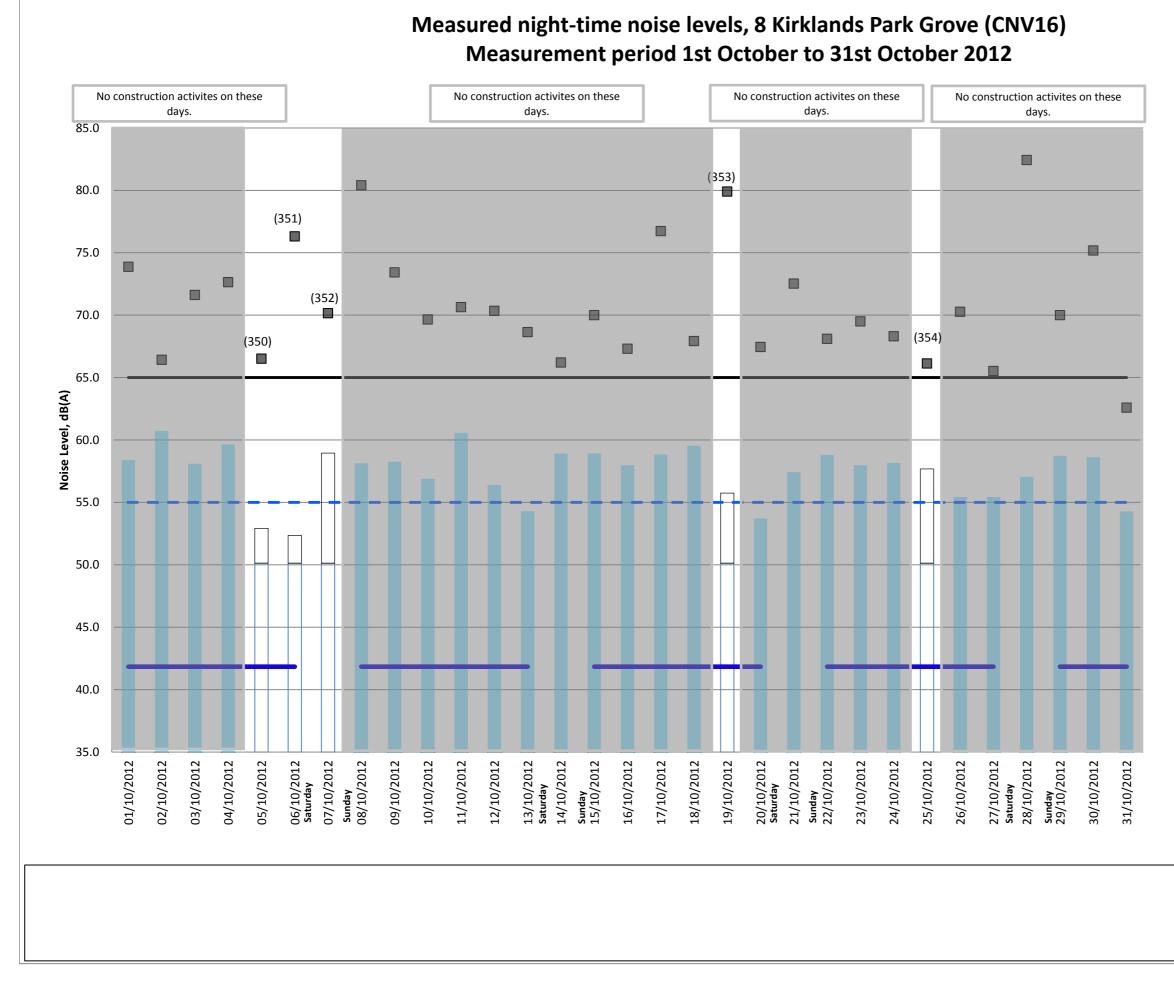


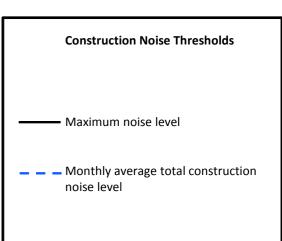
Measurement period 1st October to 31st October 2012 No construction activites on these days. days. days. days. 85.0 (349) 80.0 75.0 70.0 65.0 Noise Level, dB(A) 0.09 55.0 50.0 45.0 40.0 35.0 06/10/2012 Saturday 07/10/2012 20/10/2012 Saturday 21/10/2012 Sunday 22/10/2012 03/10/2012 04/10/2012 05/10/2012 Sunday 08/10/2012 09/10/2012 10/10/2012 11/10/2012 12/10/2012 13/10/2012 Saturday 14/10/2012 Sunday 15/10/2012 16/10/2012 17/10/2012 18/10/2012 19/10/2012 23/10/2012 24/10/2012 25/10/2012 26/10/2012 27/10/2012 Saturday 28/10/2012 **Sunday** 29/10/2012 30/10/2012 02/10/2012 01/10/2012 31/10/2012

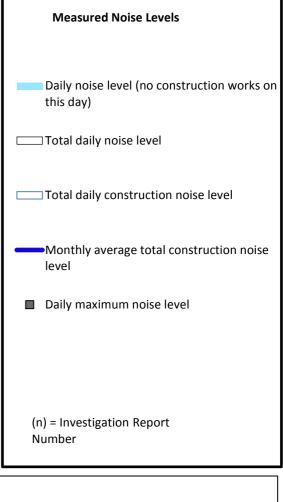
Measured evening noise levels, 8 Kirklands Park Grove (CNV16)











SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208
	Contractor: SRB	Date: 03-10-12	NER. 170
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-
Summary of Finding(s): October 1 ^s	<u>⁵¹ – CNV02</u>		
Exceedences 318: Maximum Noise	e Level: 101.5 dB (A) at 09.52 1 st O	ctober	
An analysis was carried out using t	-		
Recorded Noise Logs	and Noise Data		
Noise type			
Site Diaries / Weathe	r Data		
 Inspections by Senior Engineer (Roland Tarrant) 			
Findings:			
Analysis of the noise files shows that (see attached noise file)	there were dogs barking in and arou	and the time of the	his exceedence
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	xceedence.
Corrective Action Required:			
Maintain current monitoring and surve	eillance levels		
SignatureRoland Tarrant	Date02	2-10-12	
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'Brien	Date02-10-12.		
	Project Manager / Assist Project Manager		

NER 318.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Numbe 203	r:
	Contractor: SRB	Date: 07-10-12	NER.	171
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 6	<u>th – CNV02</u>			
Exceedences 319: Maximum Noise	e Level: 98.1 dB (A) at 17.56 06 th O	ctober		
An analysis was carried out using	-			
Recorded Noise Log	s and noise Data			
	Noise type			
Site Diaries / Weather				
 Inspections by Senior Engineer (Roland Tarrant) 				
Findings:				
Analysis of the noise files shows it would appear that the exceedence is related to general traffic conditions (see attached noise file)				
Therefore it is considered unlikely that noise from the construction activities caused the exceedence.				
Corrective Action Required:				
Maintain current monitoring and surv	eillance levels			
SignatureRoland Tarrant Date07-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien	Date07-10-12			
Project Manager / Assist Project Manager				

NER 319.wav

SRB Civil Eng ROADB GYLLINGNBARG & RU	gineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Projec Numb 20	
		Contractor: SRB	Date: 25-10-12	NER.	172
SY	MANAGEMENT /STEM	NOISE EXCEEDE	NCE REPORT		
	nding(s): October 24				
Exceedences	320: Maximum Noise	Level: 96.8dB (A) at 17.37pm 24 th	October		
	vas carried out using t	-			
	Recorded Noise Logs	and Noise Data			
	Noise type				
•	Site Diaries / Weather Data				
•	 Inspections by Senior Engineer (Roland Tarrant) 				
Findings:					
	noise file Analysis of exceedence (see attac	the noise files shows that there we hed noise file)	re dogs barking	in and	around
Therefore it is co	onsidered unlikely that	noise from the construction activitie	es caused the ex	kceeder	nce.
Corrective Action	on Required:				
Maintain current	t monitoring and surve	eillance levels			
SignatureRoland Tarrant Date25-10-12					
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDateDate					
Pro	Project Manager / Assist Project Manager				

NER 320.wav

SRB Civil Er ROADE CVILIMENDAR	BRIDGE REDICE CONTINUEDOS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Projec Numb 20	
		Contractor: SRB	Date:		
		UND	5-10-12	NER.	173
	MANAGEMENT YSTEM	NOISE EXCEEDE		-	
-	nding(s): <u>October</u> 04	<u>- </u>	abor		
Exceedences	SZT. MAXIMUM NOISE	Level. 60.60D (A) at 19.59 4 Oct			
An analysis v	was carried out using t	he following data:			
•	Recorded Noise Logs	and Noise Data			
•	Noise type				
•	Site Diaries / Weather Data				
•	 Inspections by Senior Engineer (Roland Tarrant) 				
Findings:					
	noise files shows it attached noise file)	would appear that the exceedend	ce is related to	genera	al traffic
Therefore it is co	onsidered unlikely that	t noise from the construction activitie	es caused the ex	kceeder	nce.
Corrective Acti	on Required:				
Maintain curren	t monitoring and surve	eillance levels			
SignatureF	SignatureRoland Tarrant Date05-10-12				
NER Closed					
Works have been inspected and completed as described above.					
SignatureS	Seamus O'Brien	Date05-10-12.			
	Project Manager / Assist Project Manager				



SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208		
	Contractor: SRB	Date: 10-10-12	NER. 174		
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-		
Summary of Finding(s): October 09					
Exceedences 322: Maximum Noise	e Level: 80.7dB (A) at 19.56 9 th Octo	ober			
An analysis was carried out using Recorded Noise Logs	-				
	Noise type				
	 Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) 				
Findings:					
Analysis of the noise files shows it conditions (see attached noise file)	would appear that the exceedend	ce is related to	general traffic		
Therefore it is considered unlikely tha	t noise from the construction activitie	es caused the ex	xceedence.		
Corrective Action Required:					
Maintain current monitoring and surv	eillance levels				
SignatureRoland Tarrant Date10-10-12					
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'Brien	Date10-10-12.				
Project Manager / Assist	Project Manager				



SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 11-10-12	NER. 175	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 1	0 th – CNV02			
Exceedences 323: Maximum Noise	e Level: 82.6 dB (A) at 19.37 10 th O	ctober		
An analysis was carried out using the following data:				
Recorded Noise Logs Noise type				
	Noise type			
	Site Diaries / Weather Data			
	r Engineer (Roland Tarrant)			
Findings: Analysis of the noise files shows it conditions (see attached noise file)	would appear that the exceedend	ce is related to	general traffic	
Therefore it is considered unlikely tha	t noise from the construction activitie	es caused the ex	xceedence.	
Corrective Action Required:				
Maintain current monitoring and surve	eillance levels			
SignatureRoland Tarrant Date10-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDate10-10-12… Project Manager / Assist Project Manager				



SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 22-10-12	NER. 176	
QUALITY MANAGEMENT SYSTEM		NCE REPORT	-	
Summary of Finding(s): October 19				
Exceedences 324: Maximum Noise	e Level: 85.5 dB (A) at 21.14 19 th Oo	ctober		
An analysis was carried out using	-			
Recorded Noise Logs	s and Noise Data			
	Noise type			
Site Diaries / Weathe				
 Inspections by Senior Engineer (Roland Tarrant) 				
Findings: Analysis of the noise files shows it would appear that the exceedence is related to some type of animal noise (see attached noise file)				
Therefore it is considered unlikely that noise from the construction activities caused the exceedence.				
Corrective Action Required:				
Maintain current monitoring and surve	eillance levels			
SignatureRoland Tarrant	22 Date22	2-10-12		
NER Closed				
Works have been inspected and com	pleted as described above.			
SignatureSeamus O'Brien Project Manager / Assist				



SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 29-10-12	NER. 177	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 27				
Exceedences 325: Maximum Noise	e Level: 86.2 dB (A) at 20.46 27 th O	ctober		
An analysis was carried out using t	the following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weathe	r Data			
 Inspections by Senior 	· Engineer (Roland Tarrant)			
Findings:				
Analysis of the noise files shows it would appear that the exceedence is related to dogs barking in the vicinity (see attached noise file)				
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	kceedence.	
Corrective Action Required:				
Maintain current monitoring and surve	eillance levels			
SignatureRoland Tarrant	SignatureRoland Tarrant Date29-10-12			
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien	Date29-10-12.			
Project Manager / Assist	Project Manager / Assist Project Manager			

NER 325.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208
	Contractor: SRB	Date: 02-10-12	NER. 178
QUALITY MANAGEMENT		02 10 12	
SYSTEM	NOISE EXCEEDE	NCE REPORT	-
Summary of Finding(s): October 07	1 <u>st – CNV02</u>		
Exceedences 326: Maximum Noise	e Level: 82.1 dB (A) at 04.53 02 nd O	ctober	
An analysis was carried out using t	the following data:		
Recorded Noise Logs	and Noise Data		
Noise type			
Site Diaries / Weather Data			
 Inspections by Senior Engineer (Roland Tarrant) 			
Findings:			
Analysis of the noise files indicates traffic or is similar to that given off b were being carried out between Ch13	y compaction plant. On this night,		
Therefore it is considered possible that	at noise from the construction activit	ies caused the e	xceedence.
Corrective Action Required:			
These works were planned and carri- put in place to minimise the disruption works, SRB are to maintain current m	n caused. No complaints were receiv		
SignatureRoland Tarrant	Date02	2-10-12	
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'BrienDateDate02-10-12 Project Manager / Assist Project Manager			
b			

NER 326.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208
	Contractor: SRB	Date: 03-10-12	NER. 179
QUALITY MANAGEMENT SYSTEM		NCE REPORT	-
Summary of Finding(s): October 02			
Exceedences 327: Maximum Noise	e Level: 86.1 dB (A) at 22.27 02 nd O	ctober	
An analysis was carried out using	C C		
Recorded Noise Logs	s and Noise Data		
Noise type			
Site Diaries / Weathe			
	⁻ Engineer (Roland Tarrant)		
Findings:			
Analysis of the noise files indicates the M9 motorway (see noise file attached		traffic noise from	m the adjoining
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	xceedence.
Corrective Action Required:			
SRB are to maintain current monitoring	ng and surveillance levels		
SignatureRoland Tarrant Date03-10-12			
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'Brien	Date03-10-12.		
Project Manager / Assist	Project Manager / Assist Project Manager		

NER 327.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208				
	Contractor: SRB	Date: 04-10-12	NER.	180			
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDENCE REPORT						
Summary of Finding(s): <u>October 03rd – CNV02</u>							
Exceedences 328: Maximum Noise Level: 80.9 dB (A) at 07.27 04 th October							
An analysis was carried out using the following data:							
Recorded Noise Logs and Noise Data							
Noise type							
Site Diaries / Weather Data							
Inspections by Senior Engineer (Roland Tarrant)							
Findings:							
Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached)							
Therefore it is considered unlikely that noise from the construction activities caused the exceedence.							
Corrective Action Required:							
SRB are to maintain current monitoring and surveillance levels							
SignatureRoland Tarrant Date03-10-12							
NER Closed							
Works have been inspected and completed as described above.							
SignatureSeamus O'BrienDate03-10-12… Project Manager / Assist Project Manager							

NER 328.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208				
	Contractor:		Date:				
	SRB		05-10-12	NER. 181			
SYSTEM							
Summary of Finding(s): October 04 th – CNV02							
Exceedences 329 Maximum Noise Level: 82.0 dB (A) at 22.32 04 th October							
An analysis was carried out using the following data:							
Recorded Noise Logs and Noise Data							
Noise type							
Site Diaries / Weather Data							
 Inspections by Senior Engineer (Roland Tarrant) 							
Findings:							
Analysis of the noise files indicates that the noise could be due to passing traffic on the adjacent M9. On this night, the following works were undertaken on the M9:							
 Remove Varioguard M9 EB Ch2500 Remove Varioguard M9 EB Ch1750 Remove Varioguard M9 WB Ch2500 							
Therefore it is considered unlikely that noise from these activities would cause this exceedence.							
Corrective Action Required:							
These works were planned and carried out in consultation with local authorities with rigorous mitigation put in place to minimise the disruption caused. No complaints were received for the works and for future works, SRB are to maintain current monitoring and surveillance levels							
SignatureRoland Tarrant	C	0ate05	5-10-12				
NER Closed							
Works have been inspected and completed as described above.							
SignatureSeamus O'BrienDateDate05-10-12							
Project Manager / Assist Project Manager							

NER 329.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACE CROSSING M9 Junction 1	Project Number: 208		
	Contractor: SRB	Date: 09-10-12	NER. 182	
QUALITY MANAGEMENT SYSTEM		NCE REPORT	-	
Summary of Finding(s): October 08				
Exceedences 330: Maximum Noise	e Level: 79.6 dB (A) at 05.07 09 th O	ctober		
An analysis was carried out using	-			
Recorded Noise Logs	s and Noise Data			
Noise type	_			
Site Diaries / Weathe				
	r Engineer (Roland Tarrant)			
Findings:				
Analysis of the noise files indicates the M9 motorway (see noise file attached		traffic noise from	m the adjoinin	
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	kceedence.	
Corrective Action Required:				
SRB are to maintain current monitoring	ng and surveillance levels			
SignatureRoland Tarrant Date09-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien	Date09-10-12.			
Project Manager / Assist	Project Manager			
. 9				

NER 330.wav

SRB Civil Engineering Limited			Project Number: 208
	Contractor: Date: SRB 00.10.12 NEP 182		
	SKB	09-10-12	NER. 183
			_
SYSTEM		NCE REPORT	
Summary of Finding(s): October 09			
Exceedences 331: Maximum Noise	e Level: 88.5 dB (A) at 02.22 10 ⁴⁴ O	ctober	
An analysis was carried out using	the following data:		
Recorded Noise Logs	-		
Noise type			
Site Diaries / Weather	r Data		
	⁻ Engineer (Roland Tarrant)		
Findings: Analysis of the noise files indicates the	at the point opposite to be general	troffic poice fro	m the adjoining
M9 motorway (see noise file attached			in the aujoining
Therefore it is considered unlikely tha	t noise from the construction activitie	es caused the ex	kceedence.
Corrective Action Required:			
SRB are to maintain current monitoring	ng and surveillance levels		
SignatureRoland Tarrant	Date10	-10-12	
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'BrienDateDate10-10-12			
Project Manager / Assist Project Manager			
N			

NER 331.wav

SRB Civil Engineering Limited ROADBRIDGE COLEMANDAL ABELIAC CONTACTOR FORTH REPLACEMENT CROSSING M9 Junction 1A			Project Number: 208	
		Contractor: Date: SRB 10.10.12 NEP 184		
		0.12	10-10-12	NER. 184
	IANAGEMENT STEM			-
	ding(s): <u>October 10</u>			
Exceedences	332: Maximum Noise	Level: 89.9 dB (A) at 03.59 11 th O	ctober	
An analysis w	vas carried out using t	he following data:		
•	Recorded Noise Logs	and Noise Data		
•	Noise type			
• :	Site Diaries / Weathe	r Data		
•	Inspections by Senior	Engineer (Roland Tarrant)		
Findings:				
	oise files indicates the noise files attached)	hat the noise appears to be general)	traffic noise from	m the adjoining
Therefore it is co	nsidered unlikely that	t noise from the construction activitie	es caused the ex	ceedence.
Corrective Action	on Required:			
SRB are to mair	ntain current monitorir	ng and surveillance levels		
SignatureR	oland Tarrant	11 Date	-10-12	
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate11-10-12				
Project Manager / Assist Project Manager				
N				



SRB Civil Engineering Limited ROADBRIDGE CHEMERAL REPLACEMENT CROSSING M9 Junction 1A			Project Number: 208
	Contractor: Date:		
	SRB	16-10-12	NER. 185
QUALITY MANAGEMENT			_
SYSTEM	NOISE EXCEEDE	NCE REPORT	
Summary of Finding(s): October			
Exceedences 333: Maximum Nois	e Level: 79.7dB (A) at 00.44 17 th O	ctober	
An analysis was carried out using Recorded Noise Log	-		
Noise type			
Site Diaries / Weath	er Data		
	or Engineer (Roland Tarrant)		
Findings:	3 (,		
Analysis of the noise files indicates M9 motorway (see noise file attache	that the noise appears to be general d)	traffic noise fro	m the adjoining
Therefore it is considered unlikely th	at noise from the construction activitio	es caused the ex	xceedence.
Corrective Action Required:			
SRB are to maintain current monitor	ing and surveillance levels		
SignatureRoland Tarrant	Date17	'-10-12	
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'BrienDateDate17-10-12 Project Manager / Assist Project Manager			



Contractor: Date: NER. 186 QUALITY MANAGEMENT SYSTEM NOISE EXCEEDENCE REPORT NER. 186 Summary of Finding(s): October 17 th - CNV02 Exceedences 334: Maximum Noise Level: 76.5dB (A) at 04.38 18 th October An analysis was carried out using the following data: • Recorded Noise Logs and Noise Data • • Noise type • Site Diaries / Weather Data • Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels Signature	SRB Civil Engineering Limited				
SYSTEM NOISE EXCEEDENCE REPORT Summary of Finding(s): October 17 th CNV02 Exceedences 334: Maximum Noise Level: 76.5dB (A) at 04.38 18 th October An analysis was carried out using the following data: • • Recorded Noise Logs and Noise Data • Noise type • Site Diaries / Weather Data • Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant				NER. 186	
Exceedences 334: Maximum Noise Level: 76.5dB (A) at 04.38 18 th October An analysis was carried out using the following data: Recorded Noise Logs and Noise Data Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels Signature	SYSTEM		NCE REPORT	Г	
An analysis was carried out using the following data:					
Recorded Noise Logs and Noise Data Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant	Exceedences 334: Maximum Noise	e Level: 76.5dB (A) at 04.38 18 ^m Oo	ctober		
Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		-			
Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant	°	s and Noise Data			
Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		_			
Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant					
Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		r Engineer (Roland Tarrant)			
M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant					
Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date			traffic noise fro	m the adjoinin	g
SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date18-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	xceedence.	
SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date18-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate					
SignatureRoland Tarrant Date18-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	Corrective Action Required:				
NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	SRB are to maintain current monitori	ng and surveillance levels			
Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	SignatureRoland Tarrant Date18-10-12				
SignatureSeamus O'BrienDateDate18-10-12	NER Closed				
-	Works have been inspected and completed as described above.				

NER 334.wav

SRB Civil Engineering Limited ROADBRIDGE CITE DECIMINANCE A BRIEDRIC CONTRACTORS				
	Contractor: SRB	Date: 19-10-12	NER. 187	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE			
Summary of Finding(s): October 19	9 <u>th – CNV02</u>			
Exceedences 335: Maximum Noise	e Level: 01.55 dB (A) at 80.6 20 th C	ctober		
An analysis was carried out using t Recorded Noise Logs 	C C			
Noise type				
Site Diaries / Weather	r Data			
	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate th works carried out on the night in ques		associated with	the works. The	
 Cutting Loops M9 WB at Ch0 Surfacing M9 WB Ch600 – Ch 	1570			
Therefore it is considered possible that	at noise from the construction activit	ies caused the e	exceedence.	
Corrective Action Required:				
These works were planned and carried out in consultation with local authorities with rigorous mitigation put in place to minimise the disruption caused. No complaints were received for the works and for future works, SRB are to maintain current monitoring and surveillance levels				
SignatureRoland Tarrant	18	8-10-12		
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien				
Project Manager / Assist Project Manager				

Contractor: Date: NRR. 188 QUALITY MANAGEMENT SYSTEM NOISE EXCEEDENCE REPORT NER. 188 Summary of Finding(s): October 22 nd - CNV02 Exceedences 336: Maximum Noise Level: 72.2dB (A) at 06.04 23 rd October An analysis was carried out using the following data: • Recorded Noise Logs and Noise Data • Noise type • Site Diaries / Weather Data • Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels Signature	SRB Civil Engineering Limited				t er:)8
SYSTEM NOISE EXCEEDENCE REPORT Summary of Finding(s): October 22 nd CNV02 Exceedences 336: Maximum Noise Level: 72.2dB (A) at 06.04 23 rd October An analysis was carried out using the following data: • • Recorded Noise Logs and Noise Data • Noise type • Site Diaries / Weather Data • Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: Signature Date Signature Date Signature O'Brien Signature Date Signature O'Brien				NER.	188
Exceedences 336: Maximum Noise Level: 72.2dB (A) at 06.04 23 rd October An analysis was carried out using the following data: Recorded Noise Logs and Noise Data Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels Signature	SYSTEM		NCE REPORT	Γ	
An analysis was carried out using the following data: Recorded Noise Logs and Noise Data Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant					
 Recorded Noise Logs and Noise Data Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant	Exceedences 336: Maximum Nois	se Level: 72.2dB (A) at 06.04 23 rd Oc	tober		
Noise type Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		-			
Site Diaries / Weather Data Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant					
Inspections by Senior Engineer (Roland Tarrant) Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		ar Dete			
Findings: Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant					
Analysis of the noise files indicates that the noise appears to be general traffic noise from the adjoining M9 motorway (see noise file attached) Therefore it is considered unlikely that noise from the construction activities caused the exceedence. Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant		or Engineer (Roland Tarrant)			
Corrective Action Required: SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date23-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	Analysis of the noise files indicates		traffic noise fro	m the ad	djoining
SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date	Therefore it is considered unlikely th	at noise from the construction activitio	es caused the ex	xceeden	ce.
SRB are to maintain current monitoring and surveillance levels SignatureRoland Tarrant Date23-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	Corrective Action Required:				
SignatureRoland Tarrant Date23-10-12 NER Closed Works have been inspected and completed as described above. SignatureSeamus O'BrienDate	•	ring and surveillance levels			
Works have been inspected and completed as described above. SignatureSeamus O'BrienDate23-10-12					
SignatureSeamus O'BrienDateDate	NER Closed				
	Works have been inspected and completed as described above.				

NER 336.wav

(Angineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number 208	
		Contractor: Date: SRB 23-10-12 NER. 189			89
QUALITY	MANAGEMENT				
S	YSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Fi	inding(s): October 2:	<u>^{3rd} – CNV02</u>			
Exceedences	337: Maximum Noise	Level: 73.3dB (A) at 06.05 24 th Oc	tober		
An analysis	An analysis was carried out using the following data:Recorded Noise Logs and Noise Data				
•	Noise type				
•	Site Diaries / Weathe	r Data			
•	Inspections by Senior	Engineer (Roland Tarrant)			
Findings:					
Analysis of the M9 motorway (s	noise files indicates th see noise file attached	hat the noise appears to be general)	traffic noise fro	m the adjo	oining
Therefore it is c	onsidered unlikely that	t noise from the construction activitie	es caused the ex	kceedence	e.
Corrective Act	ion Required:				
SRB are to ma	intain current monitorir	ng and surveillance levels			
SignatureRoland Tarrant Date24-10-12					
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDateDate24-10-12 Project Manager / Assist Project Manager					



SRB Civil Engineering Limited	Project Title: FORTH REPLACE CROSSING M9 Junction 1	Project Number: 208		
	Contractor: SRB			
QUALITY MANAGEMENT SYSTEM			Г	
Summary of Finding(s): Octobe				
Exceedences 338: Maximum N	oise Level: 75.6 dB (A) at 23.54 24 th C	october		
An analysis was carried out us	с с			
	ogs and Noise Data			
Noise type				
 Site Diaries / Wea 				
	nior Engineer (Roland Tarrant)			
Findings:				
Analysis of the noise files indicate adjoining M9 motorway (see noise	es that the noise appears to be genera file attached)	I traffic noise or	HGV's from the	
Therefore it is considered unlikely	that noise from the construction activit	ies caused the e	xceedence.	
Corrective Action Required:				
SRB are to maintain current moni	toring and surveillance levels			
SignatureRoland Tarrant Date25-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate25-10-12				
Project Manager / Assist Project Manager				

NER 338.wav

SRB Civil Engineering Limited ROADBRIDGE CITIL INCOMING CONTINCTORS	Project Title: FORTH REPLACE CROSSING M9 Junction 1	Project Number: 208		
	Contractor: SRB	Date: 28-10-12	NER. 191&192	
QUALITY MANAGEMENT SYSTEM			г	
Summary of Finding(s): October 20				
Exceedences 339: Maximum Noise				
340: Maximum Noise	e Level: 74.4 dB (A) at 00.23 28 th O	ctober		
An analysis was carried out using t Recorded Noise Logs Noise type Site Diaries / Weathe	and Noise Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate th works carried out on the nights in que		associated with	the works. The	
Surfacing M9 WB Ch1400 - 60	00			
Therefore it is considered possible that	at noise from the construction activition	ies caused the e	exceedence.	
Corrective Action Required:				
These works were planned and carried out in consultation with local authorities with rigorous mitigation put in place to minimise the disruption caused. No complaints were received for the works and for future works, SRB are to maintain current monitoring and surveillance levels				
SignatureRoland Tarrant	Date28	3-10-12		
NER Closed				
Works have been inspected and comp	pleted as described above.			
SignatureSeamus O'BrienDate28-10-12… Project Manager / Assist Project Manager				

SRB Civil Engineering Limited ROADBRIDGE COLORIDATION RECONSTRUCTION RECON			Project Number: 208	
	Contractor: SRB	Date: 8-10-12	NER. 193	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 05	<u>5^m – CNV07</u>			
Exceedences 341: Maximum Noise	Level: 82 dB (A) at 21.00 05 th Octo	ober		
An analysis was carried out using t	he following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate th works carried out on the nights in que		associated with	the works. The	
Spur SB cl	osed for surfacing M9 EB Ch1300 -	700		
Therefore it is considered possible that	at noise from the construction activition	ies caused the e	xceedence.	
Corrective Action Required:				
These works were planned and carrie put in place to minimise the disruption works, SRB are to maintain current m	a caused. No complaints were received			
SignatureRoland Tarrant Date8-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate8-10-12 Project Manager / Assist Project Manager				

SRB Civil Engineering Limited			
	Contractor: SRB	Date:	
	UND	5-10-12	NER. 194
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-
Summary of Finding(s): October 0	5 <u>th – CNV07</u>		
Exceedences 342: Maximum Noise	Level: 76.8 dB (A) at 06.00 06 th O	ctober	
An analysis was carried out using t Recorded Noise Logs 	Ū		
Noise type			
Site Diaries / Weather	r Data		
	Engineer (Roland Tarrant)		
Findings:			
Analysis of the site diaries indicate wo	orks were on-going during the night i	n question. The	se included:
	osed for surfacing M9 EB Ch1300 - 1	•	
However, the works were finished and is considered unlikely that the exceed	d completed before the time the exc	eedence occurr	ed. Therefore it
Historic levels have shown that the no volumes of traffic using the spur route		eded in this area	from the sheer
Corrective Action Required:			
SRB are to maintain current monitorin	g and surveillance levels		
SignatureRoland Tarrant Date6-10-12			
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'BrienDateDate6-10-12 Project Manager / Assist Project Manager			

SRB Civil Engineering Limited ROADBRIDGE CONTINUES AND DECOMPACTORS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208		
	Contractor: SRB	Date:			
	SKD	6-10-12	NER. 195		
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	г		
Summary of Finding(s): October 05	5 <u>th – CNV07</u>				
Exceedences 343: Maximum Noise	Level: 77.8 dB (A) at 04.00 06 th O	ctober			
An analysis was carried out using t	he following data:				
Recorded Noise Logs	-				
Noise type					
Site Diaries / Weather	r Data				
 Inspections by Senior 	Engineer (Roland Tarrant)				
Findings:					
Analysis of the site diaries indicate wo	orks were on-going during the night i	n question. The	se included:		
Spur SB cl	osed for surfacing M9 EB Ch1300 -	700			
Therefore it is considered possible that	at noise from the construction activiti	ies caused the e	exceedence.		
Corrective Action Required:					
These works were planned and carried out in consultation with local authorities with rigorous mitigation put in place to minimise the disruption caused. No complaints were received for the works and for future works, SRB are to maintain current monitoring and surveillance levels					
SignatureRoland Tarrant	Date6-	10-12			
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDateDate6-10-12					
Project Manager / Assist	Project Manager				

SRB Civil Engineering Limited ROADBRIDGE COTE DECIMIENCE CONTACTOR	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 7-10-12	NER. 196	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE			
Summary of Finding(s): October 07	<u>th – CNV07</u>			
Exceedences 344: Maximum Noise	Level: 84.1 dB (A) at 07.00 08 th O	ctober		
An analysis was carried out using t	he following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
Inspections by Senior	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate works were on-going during the night in question. These included:				
Spur SB cl	osed for surfacing M9 EB Ch1300 -	700		
However, the works were finished and is considered unlikely that the exceed			ed. Therefore it	
Historic levels have shown that the noise trigger limits are regularly exceeded in this area from the sheer volumes of traffic using the spur route.				
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant	Bate8-	10-12		
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate8-10-12				
Project Manager / Assist	Project Manager			

SRB Civil Engineering Limited ROADBRIDGE OTTE INCINISION A REPORT CONTACTOR	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 7-10-12	NER. 197	
QUALITY MANAGEMENT		7-10-12	NER. 197	
SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 19	<u>th – CNV07</u>			
Exceedences 345: Maximum Noise	Level: 74.6 dB (A) at 07.00 20 th O	ctober		
An analysis was carried out using t	-			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather				
	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate works were on-going during the night in question. These included:				
Spur NB closed for removal of varioguard However, the works were finished and completed before the time the exceedence occurred. Therefore it is considered unlikely that the exceedence was caused by construction activities.				
Historic levels have shown that the no volumes of traffic using the spur route		eded in this area	from the sheer	
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant	Date20)-10-12		
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate20-10-12 Project Manager / Assist Project Manager				

SRB Civil Engineering Limited ROADBRIDGE CONTINUES ARRIENCE CONTINUES	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 25-10-12	NER. 198	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 25	5 <u>th – CNV07</u>			
Exceedences 346: Maximum Noise	Level: 84 dB (A) at 02.00 26 th Octo	ober		
An analysis was carried out using t	he following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate wo	orks were on-going during the night i	n question. The	se included:	
Spur SE	3 closed for surfacing M9 EB Ch1500)		
Therefore it is considered possible that	at noise from the construction activit	es caused the e	exceedence.	
Corrective Action Required:				
These works were planned and carried out in consultation with local authorities with rigorous mitigation put in place to minimise the disruption caused. No complaints were received for the works and for future works, SRB are to maintain current monitoring and surveillance levels				
SignatureRoland Tarrant	Date26	5-10-12		
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien Project Manager / Assist				

SRB Civil Engineering Limited ROADBRIDGE CITE INCINERED & REFERENCE CONTACTORS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 16-10-12	NER. 199	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 16				
Exceedences 347: Maximum Noise	e Level: 90.5 dB (A) at 11.00 16 th Oo	ctober		
An analysis was carried out using t	-			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
 Inspections by Senior Engineer (Roland Tarrant) 				
Findings:				
Analysis of the site diaries indicate that general works were on-going around the area of Newmains Bridge and it is possible, though not likely, that these were loud enough to cause excessive noise levels at CNV016 as the receptor is over 250m away. In addition, there have not been any noise complaints received from residents of this area and therefore it is considered unlikely that the exceedence was caused by the construction works.				
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant Date17-10-12				
-				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien	Date17-10-12.			
Project Manager / Assist				
-,	,			

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Numbe 20	er:
	Contractor: SRB	Date: 31-10-12	NER.	200
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 30 Exceedences 348: Maximum Noise		ctober		
An analysis was carried out using	the following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weathe	r Data			
 Inspections by Senior 	⁻ Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate that there were no works ongoing in this area during this time period Therefore it is considered unlikely that the exceedence was caused by the construction works.				
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant Date				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDateDate				
Project Manager / Assist Project Manager				

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date:	NER. 201	
		25-10-12	NER. 201	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 25				
Exceedences 349: Maximum Noise		ctober		
An analysis was carried out using t	the following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate wo	orks were on-going during the night i	n question. The	se included:	
Spur SE	3 closed for surfacing M9 EB Ch150)		
However, the day works were compl 20.00.	leted by 17.00 and the night works	s did not comm	ence until after	
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	kceedence.	
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant	Date26	5-10-12		
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'Brien Project Manager / Assist				

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date: 05-10-12	NER. 202	
QUALITY MANAGEMENT SYSTEM		NCE REPORT	-	
Summary of Finding(s): October 0				
Exceedences 350: Maximum Noise	e Level: 66.1 dB (A) at 06.00 06 th O	ctober		
An analysis was carried out using t	-			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weathe	r Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the noise recordings show time period (see attached noise file).				
Therefore it is considered unlikely that	t noise from the construction activitie	es caused the ex	kceedence.	
Corrective Action Required:				
SRB are to maintain current monitorin	g and surveillance levels			
SignatureRoland Tarrant Date06-10-12				
NER Closed				
Works have been inspected and com	pleted as described above			
SignatureSeamus O'BrienDateDate06-10-12				
Project Manager / Assist Project Manager				
WAV				

NER 350.wav

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208		
	Contractor: SRB	Date: 06-10-12	NER. 203		
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE		-		
Summary of Finding(s): October 00	6 <u>th – CNV16</u>				
Exceedences 351: Maximum Noise	Level: 76.3 dB (A) at 06.00 07 th O	ctober			
An analysis was carried out using t	he following data:				
Recorded Noise Logs	and Noise Data				
Noise type	Noise type				
Site Diaries / Weather	Site Diaries / Weather Data				
 Inspections by Senior Engineer (Roland Tarrant) 					
Findings:					
Analysis of the noise recordings show near the receptor monitor during this period (See attached noise file)					
Therefore it is considered unlikely that	noise from the construction activitie	es caused the ex	kceedence.		
Corrective Action Required:					
SRB are to maintain current monitorin	g and surveillance levels				
SignatureRoland Tarrant	Date07	'-10-12			
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDateDate07-10-12					
Project Manager / Assist Project Manager					
WAV					

NER 351.wav

SRB Civil Engineering Limited ROADBRIDGE COTE INCINISION: A REMEDICE CONTRACTORS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208		
	Contractor: SRB	Date: 08-10-12	NER. 204		
QUALITY MANAGEMENT		00-10-12	NER. 204		
SYSTEM	NOISE EXCEEDE	NCE REPORT	-		
Summary of Finding(s): October 19	9 th – CNV16				
Exceedences 352: Maximum Noise	Level: 70.1 dB (A) at 06.00 08 th O	ctober			
An analysis was carried out using t	he following data:				
Recorded Noise Logs	and Noise Data				
Noise type					
Site Diaries / Weather	Site Diaries / Weather Data				
 Inspections by Senior 	Engineer (Roland Tarrant)				
Findings:					
Analysis of the site diaries indicate the in question. Works were carried out or					
• Spur NB closed for removal o	fvarioguard				
Therefore it is considered unlikely that the exceedence was caused by construction activities.					
Corrective Action Required:					
SRB are to maintain current monitoring and surveillance levels					
SignatureRoland Tarrant Date08-10-12					
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDate08-10-12… Project Manager / Assist Project Manager					

SRB Civil Engineering Limited	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208	
	Contractor: SRB	Date:		
	SKD	19-10-12	NER. 205	
QUALITY MANAGEMENT SYSTEM	NOISE EXCEEDE	NCE REPORT	-	
Summary of Finding(s): October 19	9 <u>th – CNV16</u>			
Exceedences 353: Maximum Noise	Level: 79.9 dB (A) at 07.00 20 th O	ctober		
An analysis was carried out using t	he following data:			
Recorded Noise Logs	and Noise Data			
Noise type				
Site Diaries / Weather	r Data			
 Inspections by Senior 	Engineer (Roland Tarrant)			
Findings:				
Analysis of the site diaries indicate the in question. Works were carried out over				
Spur NB closed for removal or	fvarioguard			
Therefore it is considered unlikely that the exceedence was caused by construction activities.				
Corrective Action Required:				
SRB are to maintain current monitoring and surveillance levels				
SignatureRoland Tarrant Date20-10-12				
NER Closed				
Works have been inspected and completed as described above.				
SignatureSeamus O'BrienDate20-10-12… Project Manager / Assist Project Manager				

SRB Civil Engineering Limited ROADBRIDGE COTE INCINISION: A BUILDING CONTINCTORS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208		
	Contractor: SRB	Date: 25-10-12	NER. 206		
QUALITY MANAGEMENT		25-10-12	NER. 200		
SYSTEM	NOISE EXCEEDE	NCE REPORT	г		
Summary of Finding(s): October 25	5 th – CNV16				
Exceedences 354: Maximum Noise	Level: 66.1 dB (A) at 07.00 26 th O	ctober			
An analysis was carried out using t	he following data:				
Recorded Noise Logs	and Noise Data				
Noise type	Noise type				
Site Diaries / Weather	Site Diaries / Weather Data				
 Inspections by Senior Engineer (Roland Tarrant) 					
Findings:					
Analysis of the site diaries indicate that in question. Works were carried out over					
Spur SB closed for sur	rfacing M9 EB Ch1500				
Therefore it is considered unlikely that the exceedence was caused by construction activities.					
Corrective Action Required:					
SRB are to maintain current monitorin	g and surveillance levels				
SignatureRoland Tarrant Date26-10-12					
NER Closed					
Works have been inspected and completed as described above.					
SignatureSeamus O'BrienDateDate					

SRB Civil Engineering Limited ROADBRIDGE CIVIL INCLUSION A REVENUE CONTACTORS	Project Title: FORTH REPLACEMENT CROSSING M9 Junction 1A		Project Number: 208
	Contractor: Date:		
	SRB	02-11-12	NER. 207
QUALITY MANAGEMENT			
SYSTEM	NOISE EXCEEDENCE REPORT		
Summary of Finding(s): October Monthly L _{AEQ} – CNV16			
Exceedences: Monthly average Night-time Noise Level L _{AEQ} : 57.5 dB			
An analysis was carried out using the following data:			
Recorded Noise Logs and Noise Data			
Noise type			
Site Diaries / Weather Data			
 Inspections by Senior Engineer (Roland Tarrant) 			
Findings:			
Analysis of the site diaries, noise files and noise logs for this area, we consider that the majority of the noise was due to traffic passing on the adjacent M9 Motorway. NER's 179, 180, 182 to 186 and 188 to 190 detail that the likely source of the noise was passing traffic. In addition, the average noise readings obtained during the baseline survey at CNV01, 02 and 03 (prior to works commencing) were in the range 63-76 dB for night-time periods and this was mainly due to passing traffic noise. October noise levels were in the range 63-68dB. These are in line with the lower end of the pre-construction baseline readings. Also, weather conditions during the month were quite blustery and seasonal further increasing average noise levels. Therefore it is unlikely that the construction activities had a significant effect on the overall noise levels.			
Corrective Action Dominade			
Corrective Action Required: SRB are to maintain current monitoring and surveillance levels.			
These readings were reviewed by the contract team to inform them of the rise in background noise levels. Works activities were revised accordingly as far as practicable to ensure that construction noise did not further increase levels.			
SignatureRoland Tarrant	Date02	2-11-12	
NER Closed			
Works have been inspected and completed as described above.			
SignatureSeamus O'BrienDateDate02-11-12 Project Manager / Assist Project Manager			

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