



# Environmental Monitoring Data

Project:	Sydney Metro City & Southwest– TSE Works
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## Document Approval

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
01	13/03/2019	D. Windnagel	R. Muir	R. Muir	For publication

## Project Summary

The Sydney Metro City and Southwest is the second portion of the new standalone rail network known as the Sydney Metro which is Australia’s largest public transport infrastructure project and a priority rail project for the NSW Government. John Holland CPB Ghella (JHCPBG) have been contracted by Transport for New South Wales to design and construct the Tunnel and Stations Excavation Works Project (TSE Works) of the Sydney Metro City & Southwest between Chatswood and Sydenham. Figure 1 provides an overview of the Project.



Figure 1: Project Overview

## Environmental Protection Licence and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 20971) from the NSW Environment Protection Authority for the Tunnel and Station Excavation (TSE) Works on behalf of the John Holland CPB Ghella (JHCPBG) Joint Venture. The licence is for construction works relating to Rail Systems Activities and Concrete Works as defined under Schedule 1 of the *Protection of the Environment Operations Act, 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the TSE Works, and specifically provides discharge criteria for water treatment plant and sediment basin water quality. The following report details environmental monitoring undertaken during this reporting month conducted in accordance with the EPL.

The EPL can be found by following the link below to the EPA’s website:

<https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=153426&SYSUID=1&LICID=20971>

### **Discharge Water Monitoring**

Testing and discharge was undertaken during this reporting period. Table 1 contains the discharge monitoring results.

### **Noise and Vibration Monitoring**

Noise and vibration monitoring was undertaken during this reporting period. Table 2 contains the vibration monitoring results, and Table 3 contains the noise monitoring results.

### **Real-Time Noise and Vibration Monitoring**

Real-time noise and vibration monitors were operating at Barangaroo, Crows Nest, Martin Place, Pitt Street, and Victoria Cross during the February reporting period. Table 4.1 and 4.2 contains summarised real-time noise monitoring results and real-time vibration data is displayed in Table 5.

Table 1: Discharge Water Monitoring Data.

Monitoring Point	Identifier <sup>1</sup>	Date Sampled	Event Based Monitoring (Y/N)	Parameter/ Criteria/ Measured Value			Comments
				pH (6.5 - 8.5)	Turbidity (<35 NTU)	Oil & Grease (None Visible)	
2	CN-02	04/02/2019	Y	7.7	1.3	Nil	Compliant
3	PS-03	04/02/2019	Y	7.3	6.8	Nil	Compliant
1	WL-01	04/02/2019	Y	6.7	1	Nil	Compliant
1	MD-01	05/02/2019	Y	7.3	12.98	Nil	Compliant
2	CD_02	06/02/2019	Y	7.6	5.4	Nil	Compliant
2	BL-02	08/02/2019	Y	7.7	8.7	Nil	Compliant
3	VC_3	11/02/2019	Y	7.8	0.5	Nil	Compliant
3	VC_3	18/02/2019	Y	7.1	2.6	Nil	Compliant

<sup>1</sup> As per discharge point identified in Sydney Metro City and Southwest Temporary Basin and Water Treatment Discharge Point Schedule

Table 2: Vibration Monitoring Data.

Monitoring location	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Measured VDV (m/s <sup>1.75</sup> )	VDV Target (m/s <sup>1.75</sup> )	VDV Compliant	Measured PPV (mm/s)	PPV Target (mm/s)	PPV Compliant
MP_03, 31 Bligh Street, Sydney	06/02/2019	Attended	Y	Negligible	0.4	Y	0.44	7.50	Y
MP_04, 50 Martin Place, Sydney	06/02/2019	Attended	Y	Negligible	0.4	Y	0.16	7.50	Y
PS_05, 104 Bathurst Street, Sydney	14/02/2019	Attended	Y	Negligible	0.4	Y	0.17	25.00	Y
PS_05, 308 Pitt Street, Sydney	14/02/2019	Attended	Y	Negligible	0.4	Y	0.17	25.00	Y
PS_01, 339 Pitt Street, Sydney	14/02/2019	Attended	Y	Negligible	0.4	Y	0.17	25.00	Y
PS_02, 329 Pitt Street, Sydney	14/02/2019	Attended	Y	Negligible	0.4	Y	0.21	25.00	Y
MP_04, 50 Martin Place, Sydney	20/02/2019	Attended	Y	0.05	0.4	Y	0.23	7.50	Y
PS_02, 250 Pitt Street, Sydney	26/02/2019	Attended	Y	0.27	0.4	Y	0.92	25.00	Y
MP_04, 52 Martin Place, Sydney	27/02/2019	Attended	Y	0.03	0.4	Y	0.08	25.00	Y

Table 3: Noise Monitoring Data

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
CDS_03, 7/11 Nelson Street, Chatswood	04/02/2019	Attended	Y	LAeq 15 min	68.0	93	TSE Works compliant
BP_02, 1a Henry Lawson Avenue, McMahons Point	04/02/2019	Attended	Y	LAeq 15 min	52.8	67	TSE Works compliant
PS_05, 139 Bathurst Street, Sydney	05/02/2019	Attended	Y	LAeq 15 min	73.4	85	TSE Works compliant
PS_05, 139 Bathurst Street, Sydney	05/02/2019	Attended	Y	LAeq 15 min	71.7	85	TSE Works compliant
CN_01, 240 Pacific Highway, Crows Nest	05/02/2019	Attended	Y	LAeq 15 min	68.8	97	TSE works compliant, traffic dominant noise source
CN_01, 240 Pacific Highway, Crows Nest	05/02/2019	Attended	Y	LAeq 15 min	72.8	97	TSE Works compliant
CN_01, 420 Pacific Highway, Crows Nest	05/02/2019	Attended	Y	LAeq 15 min	44.6	45	TSE Works compliant
WS_02, 60 Botany Rd	05/02/2019	Attended	Y	LAeq 15 min	69.2	52	TSE Works inaudible
WS_02, 213 Cope Street, Waterloo	05/02/2019	Attended	Y	LAeq 15 min	56.6	52	TSE works compliant, traffic dominant noise source
WS_02, 213 Cope Street, Waterloo	05/02/2019	Attended	Y	LAeq 15 min	57.3	52	TSE Works compliant
CN_01, 240 Pacific Highway, Crows Nest	06/02/2019	Attended	Y	LAeq 15 min	71.2	97	TSE works compliant, traffic dominant noise source
CN_01, 240 Pacific Highway, Crows Nest	06/02/2019	Attended	Y	LAeq 15 min	69.4	97	TSE works compliant, traffic dominant noise source
CN_01, 240 Pacific Highway, Crows Nest	06/02/2019	Attended	Y	LAeq 15 min	67.9	85	TSE works compliant, traffic dominant noise source
CDS_06, 344 Mowbray Road, Chatswood	06/02/2019	Attended	Y	LAeq 15 min	75.1	89	TSE Works compliant

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
BP_01, Blues Point Tower (15 blues point Rd)	06/02/2019	Attended	Y	LAeq 15 min	51.0	66	TSE Works compliant
WS_02, 213 Cope Street, Waterloo	06/02/2019	Attended	Y	LAeq 15 min	57.9	52	TSE works compliant, traffic dominant noise source
MP_03, 31 Bligh Street, Sydney	06/02/2019	Attended	Y	LAeq 15 min	59.7	60	TSE Works compliant
MP_04, 50 Martin Place, Sydney	06/02/2019	Attended	Y	LAeq 15 min	54.9	60	TSE Works compliant
VC_01, 56 Miller Street, Victoria Cross	07/02/2019	Attended	Y	LAeq 15 min	74.0	75	TSE Works compliant
VC_01, Miller Street, Victoria Cross	07/02/2019	Attended	Y	LAeq 15 min	74.5	75	TSE Works compliant
BP_02, 1 Warung Street, McMahons Point	08/02/2019	Attended	Y	LAeq 15 min	51.8	66	TSE Works compliant
BP_02, 1a Henry Lawson Ave, McMahons Point	08/02/2019	Attended	Y	LAeq 15 min	53.2	67	TSE Works compliant
BP_02, 1a Henry Lawson Avenue, McMahons Point	12/02/2019	Attended	Y	LAeq 15 min	50.8	67	TSE Works compliant
VC_01, 100 Miller Street, Victoria Cross	12/02/2019	Attended	Y	LAeq 15 min	65.5	70	TSE Works compliant
BN_03, 30 High Street, Millers Point	12/02/2019	Attended	Y	LAeq 15 min	57.4	66	TSE Works compliant
BN_03, 30 High Street, Millers Point	12/02/2019	Attended	Y	LAeq 15 min	58.7	66	TSE Works compliant
MP_04, 50 Martin Place, Sydney	12/02/2019	Attended	Y	LAeq 15 min	58.6	60	Background Reading Only. No TSE works occurring
MP_01, 27-39 Castlereagh Street, Sydney	13/02/2019	Attended	Y	LAeq 15 min	88.0	84.2	TSE Works compliant

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
MP_01, 27-39 Castlereagh Street, Sydney	13/02/2019	Attended	Y	LAeq 15 min	88.0	76	TSE Works compliant
MP_02, 5 Hoskings Place, Sydney	13/02/2019	Attended	Y	LAeq 15 min	70.0	63	TSE Works compliant
MP_01, 27-39 Castlereagh Street, Sydney	14/02/2019	Attended	Y	LAeq 15 min	78.0	67.3	TSE Works compliant
BN_03, 20 High Street Barangaroo	14/02/2019	Attended	Y	LAeq 15 min	63.3	64	TSE Works compliant
PS_05, 104 Bathurst Street, Sydney	14/02/2019	Attended	Y	LAeq 15 min	47.0	60	TSE Works compliant
PS_01, 339 Pitt Street, Sydney	14/02/2019	Attended	Y	LAeq 15 min	43.0	60	TSE Works compliant
PS_05, 308 Pitt Street, Sydney	14/02/2019	Attended	Y	LAeq 15 min	46.1	60	TSE Works compliant
PS_02, 329 Pitt Street, Sydney	14/02/2019	Attended	Y	LAeq 15 min	55.1	60	TSE Works compliant
BN_03, 30 High Street Barangaroo	15/02/2019	Attended	Y	LAeq 15 min	58.1	64	TSE Works compliant
MP_02, 5 Hosking Place, Sydney	15/02/2019	Attended	Y	LAeq 15 min	51.6	61	TSE Works compliant
OSR, 27-39 Castlereagh Street, Sydney	15/02/2019	Attended	Y	LAeq 15 min	62.6	65	TSE Works compliant
MP_01, 165 Phillip Street, Sydney	15/02/2019	Attended	Y	LAeq 15 min	63.1	65	TSE Works compliant
CDS_02, 552-554 Pacific Highway, Chatswood	15/02/2019	Attended	Y	LAeq 15 min	74.2	55	TSE works compliant, traffic dominant noise source
CDS_06, 344 Mowbray Road, Chatswood	15/02/2019	Attended	Y	LAeq 15 min	65.6	55	TSE works compliant, traffic dominant noise source

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
CDS_05, 338 Mowbray Road, Artarmon	15/02/2019	Attended	Y	LAeq 15 min	58.8	55	TSE works compliant, traffic dominant noise source
MP_02, 1-5 Hosking Place, Sydney	16/02/2019	Attended	Y	LAeq 15 min	61.6	66	TSE Works compliant
MP_01, 165 Phillip Street, Sydney	16/02/2019	Attended	Y	LAeq 15 min	76.9	82	TSE Works compliant
MP_01, 27-39 Castlereagh Street, Sydney	16/02/2019	Attended	Y	LAeq 15 min	78.7	82	TSE Works compliant
CN_03, 473 Pacific Highway, Crows Nest	18/02/2019	Attended	Y	LAeq 15 min	41.8	60	TSE Works compliant
BN_03, 30 High Street, Millers Point	18/02/2019	Attended	Y	LAeq 15 min	55.8	55	TSE works compliant, traffic dominant noise source
BN_03, 30 High Street, Millers Point	18/02/2019	Attended	Y	LAeq 15 min	53.9	66	TSE Works compliant
PS_01, 339 Pitt Street, Sydney	18/02/2019	Attended	Y	LAeq 15 min	80.3	87	TSE Works compliant
CDS_06, 344 Mowbray Road, Chatswood	18/02/2019	Attended	Y	LAeq 15 min	66.8	75	TSE Works compliant
WS_02, 213 Cope Street, Waterloo	20/02/2019	Attended	Y	LAeq 15 min	59.0	52	TSE works compliant, traffic dominant noise source
WS_04, 62-72 Botany Road, Waterloo	20/02/2019	Attended	Y	LAeq 15 min	67.8	52	TSE works compliant, traffic dominant noise source
VC_04, 243 Miller Street, North Sydney	20/02/2019	Attended	Y	LAeq 15 min	61.5	52	TSE works compliant, traffic dominant noise source
MP_04, 50 Martin Place, Sydney	20/02/2019	Attended	Y	LAeq 15 min	49.0	60	TSE Works compliant
CDS_01, 514 Pacific Highway, Chatswood	21/02/2019	Attended	Y	LAeq 15 min	66.2	55	TSE works compliant, traffic dominant noise source

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
VC_04, 243 Miller Street, North Sydney	21/02/2019	Attended	Y	LAeq 15 min	64.6	55	TSE works compliant, traffic dominant noise source
MP_01, 165 Phillip Street, Sydney	22/02/2019	Attended	Y	LAeq 15 min	71.3	71	TSE works compliant, traffic dominant noise source
BN_03, 30 High Street, Millers Point	22/02/2019	Attended	Y	LAeq 15 min	58.0	55	TSE works compliant, traffic dominant noise source
MP_01, 165 Phillip Street, Sydney	23/02/2019	Attended	Y	LAeq 15 min	72.4	71	TSE works compliant, traffic dominant noise source
BN_03, 30 High Street, Millers Point	25/02/2019	Attended	Y	LAeq 15 min	57.1	66	TSE Works compliant
BN_03, 30 High Street, Millers Point	25/02/2019	Attended	Y	LAeq 15 min	55.6	66	TSE Works compliant
BN_03, 30 High Street, Millers Point	25/02/2019	Attended	Y	LAeq 15 min	59.0	66	TSE Works compliant
CDS_06, 344 Mowbray Road, Chatswood	25/02/2019	Attended	Y	LAeq 15 min	62.6	75	TSE Works compliant
CDS_06, 344 Mowbray Road, Chatswood	25/02/2019	Attended	Y	LAeq 15 min	56.3	75	TSE Works compliant
PS_01, 250 Pitt Street, Sydney	26/02/2019	Attended	Y	LAeq 15 min	52.2	60	TSE Works compliant
CDS_06, 344 Mowbray Road, Chatswood	26/02/2019	Attended	Y	LAeq 15 min	60.1	44	TSE Works Compliant. Works Inaudible
VC_05, 237 Miller Street, Victoria Cross	26/02/2019	Attended	Y	LAeq 15 min	72.2	75	TSE Works compliant
CDs_06, 344 Mowbray Road	26/02/2019	Attended	Y	LAeq 15 min	57.3	44	TSE Works Compliant. Works inaudible
MP_01, 60 Castlereagh Street, Sydney (Veranda Bar)	28/02/2019	Attended	Y	LAeq 15 min	72.5	75	Respite being applied

Monitoring Location (Noise-Catchment Area, Street, Suburb)	Monitoring Date	Attended or Continuous Monitoring	Event Based Monitoring (Y/N)	Parameter	Measured Value dB(A)	Goals / Targets dB(A)	Comments
MP_01, 60 Castlereagh Street, Sydney (Veranda Bar)	28/02/2019	Attended	Y	LAeq 15 min	76.9	75	Respite being applied

Table 4-1 Summary Table of Real Time Noise Data Compared Against EPL Condition E1.1.

Date	Location & Noise Goal																		
	545 Pacific Hwy		10 to 12 Clarke Street		65 Berry Street		Castlereagh Boutique Hotel		Edinburgh Castle Hotel		50 Martin Place		25A Hickson Road		243 Miller Street		60 Castlereagh Street (Level 2 Internal)		
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	
01/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
02/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
03/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
04/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
05/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
06/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
07/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
08/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
09/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Date	Location & Noise Goal																		
	545 Pacific Hwy		10 to 12 Clarke Street		65 Berry Street		Castlereagh Boutique Hotel		Edinburgh Castle Hotel		50 Martin Place		25A Hickson Road		243 Miller Street		60 Castlereagh Street (Level 2 Internal)		
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	
16/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
17/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
18/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
19/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
21/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
22/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
23/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
27/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28/02/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4-2: Real-Time Noise Monitoring Data

Report for Condition E1.1 on 01/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	6	Yes
	Lower	39	25	Yes
65 Berry St	Upper	26	1	Yes
	Lower	39	1	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	14	Yes
	Lower	39	24	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	11	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 02/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	12	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	6	Yes
	Lower	39	11	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	1	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 03/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 04/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	11	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	3	Yes
	Lower	39	27	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes

Report for Condition E1.1 on 05/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	17	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	11	Yes
	Lower	39	24	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	5	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes
Report for Condition E1.1 on 06/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	21	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	10	Yes
	Lower	39	31	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	1	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 07/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	1	Yes
	Lower	39	1	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	20	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	14	Yes
	Lower	39	26	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes
Report for Condition E1.1 on 08/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	16	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	13	Yes
	Lower	39	35	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	1	Yes
	Lower	39	1	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 09/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	5	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	1	Yes
	Lower	39	1	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 10/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 11/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	7	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	5	Yes
	Lower	39	25	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 12/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	10	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	9	Yes
	Lower	39	19	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 13/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	12	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	9	Yes
	Lower	39	31	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 14/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	18	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	15	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	2	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes

Report for Condition E1.1 on 15/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	8	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	1	Yes
	Lower	39	29	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 16/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
50 Martin Place	Upper	26	5	Yes
	Lower	39	14	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 17/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	22	Yes
	Lower	39	22	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 18/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	4	Yes
	Lower	39	16	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	1	Yes
Castlereagh Boutique Hotel	Upper	26	9	Yes
	Lower	39	10	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	14	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	1	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 19/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	10	Yes
	Lower	39	23	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	3	Yes
	Lower	39	22	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes
Report for Condition E1.1 on 20/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	1	Yes
10 to 12 Clarke Street	Upper	26	1	Yes
	Lower	39	15	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	15	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes

Report for Condition E1.1 on 21/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	2	Yes
	Lower	39	21	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	17	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	15	Yes
	Lower	39	15	Yes
Report for Condition E1.1 on 22/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	9	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	8	Yes
	Lower	39	35	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 23/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	1	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	7	Yes
	Lower	39	15	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	3	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes
Report for Condition E1.1 on 24/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	0	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	0	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	1	Yes
	Lower	39	1	Yes

Report for Condition E1.1 on 25/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	14	Yes
	Lower	39	25	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	15	Yes
	Lower	39	41	No
50 Martin Place	Upper	26	0	Yes
	Lower	39	6	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes
Report for Condition E1.1 on 26/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	1	Yes
	Lower	39	15	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	24	Yes
	Lower	39	36	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	5	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 27/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	0	Yes
	Lower	39	18	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	0	Yes
Edinburgh Castle Hotel	Upper	26	18	Yes
	Lower	39	37	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	13	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	11	Yes
	Lower	39	15	Yes
Report for Condition E1.1 on 28/02/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	0	Yes
	Lower	39	0	Yes
10 to 12 Clarke Street	Upper	26	2	Yes
	Lower	39	17	Yes
65 Berry St	Upper	26	0	Yes
	Lower	39	0	Yes
Castlereagh Boutique Hotel	Upper	26	0	Yes
	Lower	39	1	Yes
Edinburgh Castle Hotel	Upper	26	25	Yes
	Lower	39	37	Yes
50 Martin Place	Upper	26	0	Yes
	Lower	39	6	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	0	Yes
	Lower	39	0	Yes
60 Castlereagh St (Level 2)	Upper	26	14	Yes
	Lower	39	39	Yes

## Real Time Noise Analysis Results Comments:

### Edinburgh Castle Hotel 25/02/2019

At 18:17 real time noise monitor installed adjacent to Pitt St South site (Edinburgh Castle Hotel) logged 39 logging periods (15 minutes each) at this site above 50dBA between the working hours of 07:00-20:00 AEDT on 25 February.

Upon investigation of operations at Pitt St South by the Construction, Environment & Community teams, the following was noted:

- it was found that works had ceased on site at 6.00pm
- at 6.00pm, 38 logging periods had been recorded above 50dBA
- all respite periods specific for this site were observed

It was concluded that an exceedance had not occurred on this occasion.

Table 5: Real-Time Vibration Monitoring Data (Maximum recorded value per day)

Day	22 Clarke Street, Crows Nest	10 to 12 Clarke Street, Crows Nest	65 Berry Street, North Sydney	237 Miller Street Carpark	243 Miller Street, North Sydney	25A Hickson Road, Millers Point	50 Martin Place, Sydney	60 Castlereagh Street (Basement), Sydney	60 Castlereagh Street (level 2), Sydney	Castlereagh Boutique Hotel	211-217 Castlereagh Street, Sydney
Criteria	25	25	25	25	7.5	25	7.5	25	25	7.5	7.5
01/02/2019	1.31	0.28	0.99	-	1	0.1	0.48	1.44	2.06	4.22	0.72
02/02/2019	0.95	0.19	0.93	-	0.77	0.13	0.35	1.29	0.65	2.95	0.45
03/02/2019	1.11	0.22	0.36	-	0.3	0.21	0.22	0.31	0.23	1.83	0.1
04/02/2019	8.7	0.26	0.37	-	0.83	0.11	0.31	2.57	5.58	3.39	0.74
05/02/2019	0.88	0.22	0.4	-	0.77	0.11	0.61	5.57	7.08	2.79	0.52
06/02/2019	0.67	0.24	0.43	-	0.63	0.16	0.34	1.23	2.52	6.37	0.73
07/02/2019	1.13	0.52	0.37	-	0.43	0.08	0.44	0.46	0.24	4.48	0.81
08/02/2019	0.64	0.41	0.91	0.81	0.4	0.08	0.46	0.59	0.3	3.35	1.36
09/02/2019	0.45	0.16	0.78	3.1	12.26	0.24	0.34	1.21	1.64	3.25	0.36
10/02/2019	0.67	0.19	0.13	0.09	0.89	0.16	0.29	0.31	0.2	3.8	0.1
11/02/2019	0.89	0.33	0.29	0.24	0.71	0.11	0.32	1.57	0.76	2.76	0.77
12/02/2019	0.64	0.26	0.37	0.2	0.6	0.08	0.48	2.39	1	5.32	1.07
13/02/2019	0.84	0.23	0.35	0.28	0.57	0.2	0.28	1.41	0.72	9.59	1.86
14/02/2019	0.97	0.54	0.33	0.69	0.63	0.28	0.22	1.26	1.79	5.26	0.59
15/02/2019	1.2	0.33	0.4	0.76	1.14	0.18	0.27	7.15	1.08	2.75	1.15
16/02/2019	0.84	0.31	0.27	0.29	0.69	0.11	0.25	3.01	3.83	2.89	2.16
17/02/2019	0.74	0.22	0.29	0.08	0.51	0.13	0.21	0.18	0.3	4.6	0.14
18/02/2019	0.57	0.38	0.51	0.54	0.74	0.11	0.29	1.13	1.43	3.95	0.69
19/02/2019	1.12	0.92	0.4	0.37	1	0.11	0.22	2.34	0.66	5.03	0.4
20/02/2019	0.83	0.2	0.36	0.94	0.89	0.1	0.24	2.88	0.31	1.59	0.51
21/02/2019	0.56	0.22	0.48	0.25	0.74	0.13	0.31	4.6	0.46	2.31	0.43
22/02/2019	0.65	0.33	0.36	0.45	1.26	0.11	0.24	3.73	0.41	2.88	1.19
23/02/2019	0.58	0.22	0.19	0.29	1.14	0.13	0.22	1.18	0.53	2.9	0.36
24/02/2019	0.88	0.19	0.16	0.09	0.63	0.13	0.22	0.54	0.2	1.16	0.15
25/02/2019	0.75	0.27	0.36	0.42	1.05	0.11	0.35	1.7	0.5	1.63	0.74
26/02/2019	0.76	0.27	0.43	0.71	1.17	0.11	0.23	3.94	14.59	2.48	0.67
27/02/2019	1.11	0.22	0.56	0.49	1.8	0.11	0.27	4.48	1.35	1.61	0.78
28/02/2019	1.42	0.3	0.64	0.59	2.66	0.32	0.35	2.01	0.58	2.74	0.98

**Real-Time Vibration Results Comments:**

**243 Miller Street, North Sydney 09/02/2019**

On Saturday 9 February 2019 a controlled blast was undertaken at Victoria Cross North, the real time vibration monitor recorded a vibration reading of 12.26mm/s (2:01pm, peak vertical). The designated maximum allowable vibration at this location for cosmetic damage during blasting is 25mm/s and 7.5mm/s at any other time. As such no exceedance was deemed to have occurred as the reading was a result of blasting.

**Castlereagh Boutique Hotel 13/02/2019**

Real time vibration monitor installed adjacent to Pitt St North site (Castlereagh Boutique Hotel) logged a vibration figure of 9.6mm/s (7:40pm, peak transverse) on 13 February 2019. The designated maximum allowable vibration figure for this site for cosmetic damage (7.5mm/s, on any axis).

An investigation was carried out by the senior environmental coordinator, and it was found that these exceedances were not attributable to TSE works due to the nature of the vibration frequencies measured not being consistent with construction activities.