



Environmental Monitoring Data

Project:	Sydney Metro City & Southwest– TSE Works
Document Number:	SMCSWTSE-JCG-TPW-EM-RPT-097415
Reporting Period:	June 2019
Date Published:	12 July 2019

Document Approval

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
01	12/07/2019	D. Windnagel	K.Vajda	K.Vajda	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 May 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 ¹	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	BN_02	1/6/2019	Y	7.4	0	Nil	Discharge permit issued
2	CN_02	3/06/2019	Y	7.6	1.5	Nil	Discharge permit issued
3	VC_03	3/06/2019	Y	7.2	9.2	Nil	Discharge permit issued
2	BL_02	3/06/2019	Y	6.6	7.8	Nil	Discharge permit issued
3	PS_03	3/06/2019	Y	7.6	1.5	Nil	Discharge permit issued
1	WL_01	3/06/2019	Y	7.4	6.9	Nil	Discharge permit issued
1	MDS_01	5/06/2019	Y	8.0	13.82	Nil	Discharge permit issued
2	CD_02	07/06/2019	Y	7.9	<10	Nil	Discharge permit issued

¹ 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 ^{1.75})	VDV Target (m/s ^{1.75})	VDV Compliant	Measured PPV (mm/s)	PPV Target (mm/s)	PPV Compliant
MP_02, 44 Castlereagh Street, Sydney	5/06/2019	Attended	Y	N/A	N/A	Yes	0.11	25	Yes

Vibration monitoring was undertaken at one location in June. As PPV was measured at only 0.11mm/s, VDV calculation were not considered to be required.

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
BP_02, 3/1 Warung Street, McMahons Point	04/06/2019	Attended	Y	LAeq 15 mins	40.8	55	TSE Works compliant
WB_02, 11 Mansfield Street, Rozelle	06/06/2019	Attended	Y	LAeq 15 mins	52.3	55	TSE Works compliant
VC_02, 128 Miller Street, North Sydney	11/06/2019	Attended	Y	LAeq 15 mins	39.0	60	TSE Works compliant
WS_04, 62-72 Botany Road, Waterloo	12/06/2019	Attended	Y	LAeq 15 mins	66.2	62	TSE Works compliant, traffic dominant noise source
MP_02, 17 Castlereagh Street, Sydney	13/06/2019	Attended	Y	LAeq 15 mins	65.1	67	TSE works compliant, works inaudible
MP_02, 17 Castlereagh Street, Sydney	13/06/2019	Attended	Y	LAeq 15 mins	64.9	64	TSE works compliant, works inaudible
BN_03, 37 High Street, Millers Point	14/06/2019	Attended	Y	LAeq 15 mins	48.8	45	TSE works compliant, works inaudible
BN_01, 14-28 Blues Point Rd, McMahons Point	17/06/2019	Attended	Y	LAeq 15 mins	46.2	45	TSE works compliant, works inaudible
BN_01, 30 Blues Point Road, McMahons Point	17/06/2019	Attended	Y	LAeq 15 mins	46.1	45	TSE works compliant, works inaudible
BN_02, 9 Warung Street, McMahons Point	17/06/2019	Attended	Y	LAeq 15 mins	53.1	45	TSE Works compliant, traffic dominant noise source
CN_01, 22-26 Clarke Street, Crows Nest	19/06/2019	Attended	Y	LAeq 15 mins	66.7	72	TSE works compliant, works inaudible
CN_01, 22-26 Clarke Street, Crows Nest	19/06/2019	Attended	Y	LAeq 15 mins	65.2	72	TSE works compliant, works inaudible
CN_01, 28 Clarke Street, Crows Nest	21/06/2019	Attended	Y	LAeq 15 mins	63.4	64	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
CN_01, 22-26 Clarke Street, Crows Nest	21/06/2019	Attended	Y	LAeq 15 mins	64.4	66	TSE works compliant
CDS_06, 342 Mowbray Road, Chatswood	27/06/2019	Attended	Y	LAeq 15 mins	69.4	96	TSE works compliant
BP_02, 1 Warung Street, McMahons Point	27/06/2019	Attended	Y	LAeq 15 mins	61.0	54	TSE Works compliant, traffic dominant noise source
BP_01, 15 Blues Point Road, McMahons Point	27/06/2019	Attended	Y	LAeq 15 mins	56.8	54	TSE Works compliant, traffic dominant noise source
BP_01, 16 Blues Point Road, McMahons Point	27/06/2019	Attended	Y	LAeq 15 mins	55.1	54	TSE Works compliant, traffic dominant noise source
BP_01, 17 Blues Point Road, McMahons Point	27/06/2019	Attended	Y	LAeq 15 mins	55.6	54	TSE Works compliant, traffic dominant noise source
BP_02, 2/1 Warung Street, McMahons Point	28/06/2019	Attended	Y	LAeq 15 mins	49.0	45	TSE Works compliant, traffic dominant noise source

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

Do Real-Time Noise Monitoring Results Comply with EPL Condition E1.1?																			
Date	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 (Basement)		
	Noise Limit	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
01/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
02/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
03/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
04/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
05/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
06/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
07/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
08/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
09/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Do Real-Time Noise Monitoring Results Comply with EPL Condition E1.1?																			
Date	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 (Basement)		
	Noise Limit	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
16/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
17/06/2019	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
18/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
19/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
21/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
22/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
23/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25/06/2019	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
27/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29/06/2019	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
30/06/2019	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 01/06/2019				
Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	3	Yes
	Lower	39	3	Yes
10 to 12 Clarke Street	Upper	26	2	Yes
	Lower	39	6	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	4	Yes
50 Martin Place	Upper	26	1	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 (Basement)	Upper	26	4	Yes
	Lower	39	4	Yes
Report for Condition E1.1 on 02/06/2019				
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	1	Yes
	Lower	39	2	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 (Basement)	Upper	26	4	Yes
	Lower	39	4	Yes

Report for Condition E1.1 on 03/06/2019

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	3	Yes
	Lower	39	29	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	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 (Basement)	Upper	26	4	Yes
	Lower	39	4	Yes

Report for Condition E1.1 on 04/06/2019

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	12	Yes
	Lower	39	24	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	8	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 (Basement)	Upper	26	4	Yes
	Lower	39	4	Yes

Report for Condition E1.1 on 05/06/2019

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	7	Yes
	Lower	39	26	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	2	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 (Basement)	Upper	26	4	Yes
	Lower	39	5	Yes

Report for Condition E1.1 on 06/06/2019

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	17	Yes
	Lower	39	38	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	28	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 (Basement)	Upper	26	6	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 07/06/2019

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	17	Yes
	Lower	39	30	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	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 (Basement)	Upper	26	7	Yes
	Lower	39	9	Yes

Report for Condition E1.1 on 08/06/2019

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	0	Yes
	Lower	39	8	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 (Basement)	Upper	26	4	Yes
	Lower	39	5	Yes

Report for Condition E1.1 on 09/06/2019

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	1	Yes
25A Hickson Road	Upper	26	0	Yes
	Lower	39	0	Yes
243 Miller St	Upper	26	2	Yes
	Lower	39	4	Yes
60 Castlereagh St (Basement)	Upper	26	3	Yes
	Lower	39	5	Yes

Report for Condition E1.1 on 10/06/2019

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 (Basement)	Upper	26	0	Yes
	Lower	39	1	Yes

Report for Condition E1.1 on 11/06/2019

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	0	Yes
	Lower	39	4	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	6	Yes
	Lower	39	13	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 12/06/2019

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	9	Yes
	Lower	39	39	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	7	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 13/06/2019

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	11	Yes
	Lower	39	28	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	16	Yes
	Lower	39	36	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 (Basement)	Upper	26	6	Yes
	Lower	39	7	Yes

Report for Condition E1.1 on 14/06/2019

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	31	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	2	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
60 Castlereagh St (Basement)	Upper	26	4	Yes
	Lower	39	5	Yes

Report for Condition E1.1 on 15/06/2019

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	6	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	4	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 16/06/2019

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 (Basement)	Upper	26	4	Yes
	Lower	39	4	Yes

Report for Condition E1.1 on 17/06/2019

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	8	Yes
	Lower	39	41	No
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	5	Yes
	Lower	39	18	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	1	Yes
60 Castlereagh St (Basement)	Upper	26	0	Yes
	Lower	39	0	Yes

Report for Condition E1.1 on 18/06/2019

Location	Noise Goal	15 minute periods in exceedance		Has condition been met?
		Permitted	Exceeded	
545 Pacific Highway	Upper	26	1	Yes
	Lower	39	2	Yes
10 to 12 Clarke Street	Upper	26	10	Yes
	Lower	39	35	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	14	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 19/06/2019

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	19	Yes
	Lower	39	35	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	2	Yes
	Lower	39	21	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 20/06/2019

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	22	Yes
	Lower	39	38	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	23	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 (Basement)	Upper	26	7	Yes
	Lower	39	17	Yes

Report for Condition E1.1 on 21/06/2019				
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	23	Yes
	Lower	39	34	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	6	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	1	Yes
	Lower	39	3	Yes
60 Castlereagh St (Basement)	Upper	26	8	Yes
	Lower	39	13	Yes

Report for Condition E1.1 on 22/06/2019				
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	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	6	Yes
	Lower	39	9	Yes
50 Martin Place	Upper	26	6	Yes
	Lower	39	9	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 23/06/2019

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 (Basement)	Upper	26	4	Yes
	Lower	39	5	Yes

Report for Condition E1.1 on 24/06/2019

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	30	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	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	2	Yes
60 Castlereagh St (Basement)	Upper	26	4	Yes
	Lower	39	8	Yes

Report for Condition E1.1 on 25/06/2019				
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	21	Yes
	Lower	39	42	No
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	1	Yes
	Lower	39	10	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 (Basement)	Upper	26	4	Yes
	Lower	39	7	Yes

Report for Condition E1.1 on 26/06/2019				
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	31	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	11	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 (Basement)	Upper	26	5	Yes
	Lower	39	13	Yes

Report for Condition E1.1 on 27/06/2019

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	15	Yes
	Lower	39	39	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	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 (Basement)	Upper	26	4	Yes
	Lower	39	13	Yes

Report for Condition E1.1 on 28/06/2019

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	13	Yes
	Lower	39	38	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	4	Yes
	Lower	39	50	No
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 (Basement)	Upper	26	4	Yes
	Lower	39	8	Yes

Report for Condition E1.1 on 29/06/2019

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	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	9	Yes
	Lower	39	10	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 (Basement)	Upper	26	4	Yes
	Lower	39	6	Yes

Report for Condition E1.1 on 30/06/2019

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	4	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 (Basement)	Upper	26	4	Yes
	Lower	39	10	Yes

Real Time Noise Analysis Results Comments:

10-12 Clarke Street, Crows Nest

The real time noise monitor installed adjacent to Crows Nest site (10-12 Clarke St) logged a noise alarm as per E38(b). This notification triggers when there have been 39 logging periods (15 minutes each) at this site above 50dBA (minus corrections 20) between the working hours of 07:00-20:00 AEDT on 17 June. An investigation was undertaken by the Senior Environmental Coordinator and Site Supervisor, and it was found that works had been completed prior to 6.00pm during this shift. It should be noted that two of the 41 logging periods above 50dBA occurred between 6.00pm-8:00pm, thus only 39 logging periods over 50dBA were attributable to TSE works. It was concluded that an exceedance was not recorded on this occasion. Investigation was therefore closed.

The real time noise monitor installed adjacent to Crows Nest site (10-12 Clarke St) also logged a noise alarm as per E38(b) on 25/06/2019. This notification triggers when there have been 39 logging periods (15 minutes each) at this site above 50dBA (minus corrections 20) between the working hours of 07:00-20:00 AEDT. An investigation was undertaken by the Senior Environmental Coordinator and Site Supervisor, and it was found that works had been completed prior to 6.00pm during this shift. It should be noted that three of the 42 logging periods above 50dBA occurred between 6.00pm-8:00pm, thus only 39 logging periods over 50dBA were attributable to TSE works. It was concluded that an exceedance was not recorded on this occasion. Investigation closed.

60 Castlereagh Street, Sydney

Real-time noise monitor did not report results on 18/06/2019 as it was not transmitting a signal. The monitor was inspected by a consultant and repaired.

The Edinburgh Castle Hotel, Sydney

The real time noise monitor installed adjacent to Pitt St South site (Edinburgh Castle Hotel) logged a noise alarm as per E38(b). This notification triggers when there have been 39 logging periods (15 minutes each) at this site above 50dBA (minus corrections 0) between the working hours of 07:00-20:00 AEDT on 28 June. After investigating works at Pitt St South during this shift, it is noted that this monitor is installed in a room above the main beer garden at the Edinburgh Castle Hotel. Patronage at the Hotel significantly increases each Friday afternoon, typically resulting in noise readings that appear to be non-compliances. Upon review of the noise data and observing patronage in the beer garden, it is noted that a spike in noise levels coincides with a significant increase in patronage at approx. 3.00pm. Patronage only increased after this time, and thus it can be concluded that from 3.00pm, the dominant noise source recorded was not TSE-related. It was concluded that an exceedance was not recorded on this occasion, given that 20 of the 50 logging periods over 50dBA were recorded after 3.00pm. Investigation closed.

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, North Sydney	243 Miller Street, North Sydney	25A Hickson Road, Millers Point	50 Martin Place, Sydney	60 Castlereagh Street (Basement), Sydney	Castlereagh Boutique Hotel	211-217 Castlereagh Street, Sydney
Criteria (mm/S)	25	25	25	25	7.5	25	7.5	25	7.5	25
01/06/2019	0.65	0.54	0.67	0.11	0.97	0.58	0.72	0.18	0.4	0.64
02/06/2019	0.37	0.15	0.58	0.35	1.54	0.1	0.22	0.15	0.2	0.06
03/06/2019	0.58	0.72	0.38	0.3	0.77	0.45	1.91	0.23	2.05	0.24
04/06/2019	4.07	0.6	0.35	1.08	0.7	0.25	0.98	0.31	1.59	0.1
05/06/2019	1.52	0.49	0.41	0.51	0.91	0.4	0.22	0.18	1.62	0.21
06/06/2019	0.69	1.02	0.24	0.57	2.58	0.3	0.22	1.29	1.91	0.2
07/06/2019	0.7	0.59	0.85	0.19	0.89	0.11	0.24	0.77	1.27	0.2
08/06/2019	0.84	0.24	0.74	0.59	2.5	0.15	16.25	0.23	0.93	0.09
09/06/2019	0.45	0.18	0.99	0.24	9.89	0.11	0.36	0.36	0.19	0.08
10/06/2019	0.68	0.27	0.44	0.16	1.26	0.23	0.32	0.23	0.18	0.07
11/06/2019	1.26	0.33	0.51	0.19	1.45	0.13	0.82	0.3	1.18	0.15
12/06/2019	0.88	0.68	0.6	0.16	0.94	15.96	0.23	0.31	0.85	0.23
13/06/2019	0.63	0.49	0.79	0.19	0.95	0.18	0.58	0.46	2.11	0.52
14/06/2019	0.57	0.49	0.99	0.19	1.26	0.15	0.4	0.28	1.5	0.4
15/06/2019	0.93	0.22	0.49	0.16	1.74	0.15	1.46	0.84	1.01	0.16
16/06/2019	0.43	0.19	0.19	0.19	4.67	0.13	0.36	0.28	0.23	0.09
17/06/2019	0.68	0.52	0.47	0.27	1.34	0.16	0.59	0.18	1.78	0.3
18/06/2019	0.82	0.36	0.45	0.14	1.18	0.4	0.24	0.31	1.59	0.4
19/06/2019	0.45	0.38	0.68	0.19	1.07	0.08	0.24	0.33	3.79	0.52
20/06/2019	0.58	0.79	1.6	0.51	1.21	0	0.35	0.48	0.8	0.24
21/06/2019	1.17	0.66	0.59	0.14	0.97	0.1	0.66	0.33	1.54	0.29
22/06/2019	1.2	0.33	0.59	0.13	2.06	0.08	0.34	0.28	1.04	0.69
23/06/2019	0.38	0.22	0.21	0.32	2.01	0.08	0.24	0.18	0.3	0.09
24/06/2019	0.57	0.46	0.62	0.46	2.2	0.15	0.25	0.3	0.96	0.3
25/06/2019	0.42	0.36	0.68	0.16	1.13	0.13	0.27	0.28	1.93	0.3
26/06/2019	0.67	0.61	0.45	0.16	1.77	0.18	0.29	0.41	1.52	0.22
27/06/2019	0.74	0.93	0.36	0.92	5.02	0.11	0.37	0.26	1.03	0.47
28/06/2019	0.63	0.95	1.26	0.59	2.42	0.18	0.32	0.31	1.81	0.3
29/06/2019	1.74	0.31	0.3	0.16	2.15	0.26	0.29	0.28	1.8	0.19
30/06/2019	0.45	0.15	0.6	0.16	1.34	0.15	0.29	0.23	0.17	0.08

Real-Time Vibration Results Comments:

50 Martin Place, Sydney

An alarm data alert has been triggered on CPBJHGJV site Vibration - 50 Martin Place. This alert triggers when the "max component" at this site is greater than or equal to 7.5mm/s for more than 1 minutes - which commenced between 2019-06-08 08:48:00 (AEST) and 2019-06-08 08:49:00 (AEST). The max level recorded was 16.3mm/s. An investigation was undertaken by the site Environmental Coordinator which confirmed no vibration intensive works were being undertaken onsite at the time of the alert. The site Community Place Manager contacted the occupants of 50 Martin Place, who indicated that a cleaner was working in the area and may have knocked the monitor whilst vacuuming. The investigation was therefore closed.

243 Miller Street, North Sydney

An alarm data alert was triggered on CPBJHGJV site Noise and Vibration - 243 Miller St. This alert triggers when the "max component" at this site is greater than or equal to 7.5mm/s for more than 1 minutes - which commenced between 2019-06-09 16:58:00 (AEST) and 2019-06-09 16:59:00 (AEST). The max level recorded was 9.9mm/s. An investigation was undertaken by the site Environmental Coordinator which confirmed no sources of vibratory works were being undertaken on site at the time of the event. Furthermore, the spike occurred during works which were consistent with activities that had been undertaken throughout the monitoring period, none of which had caused an exceedance of criteria. The exceedance is therefore not considered to be associated with construction activities.