



Environmental Monitoring Data

Project: Sydney Metro City & Southwest– TSE Works

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Document Approval

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01	13/12/2017	R. Williams	R. Batch	R. Muir	For publication

1. 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

2. 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:

<http://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=124554&SYSUID=1&LICID=20971>

3. Discharge Water Monitoring

No discharge during this reporting period.

4. Noise and Vibration Monitoring

Noise monitoring was undertaken during the reporting period and results are detailed in Table 1.

Table 1: 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
PS_05, 296 Pitt Street	16/11/17 21:40	Attended	Y	L _{aeq} (15min)	79.8	80	Compliant
CDS_06, Mowbray Road	16/11/2017 23:25	Attended	Y	L _{aeq} (15min)	69.1	75	Compliant
CDS_06, Mowbray Road	17/11/2017 01:30	Attended	Y	L _{aeq} (15min)	57.0	70	Compliant
BN_02, Towns Place	18/11/2017 08:35	Attended	Y	L _{aeq} (15min)	73.3	75	Compliant
BN_03, High Street	18/11/2017 09:00	Attended	Y	L _{aeq} (15min)	59.3	81	Compliant
CDS_04, Mowbray Road	27/11/2017 12:12	Attended	Y	L _{aeq} (15min)	69.5	75	Compliant
BN_02, Munn Street	29/11/2017 20:52	Attended	Y	L _{aeq} (15min)	55.0	65	Compliant
BN_03, High Street	29/11/2017 21:25	Attended	Y	L _{aeq} (15min)	56.0	63	Compliant
BN_03, High Street	29/11/2017 22:05	Attended	Y	L _{aeq} (15min)	56.0	63	Compliant
BN_02, Munn Street	29/11/2017 22:35	Attended	Y	L _{aeq} (15min)	54.6	65	Compliant
BN_02, Argyle Place	29/11/2017 23:15	Attended	Y	L _{aeq} (15min)	58.6	65	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
BN_02, Munn Street	30/11/2017 00:30	Attended	Y	L _{aeq} (15min)	54.0	65	Compliant
BN_03, High Street	30/11/2017 00:40	Attended	Y	L _{aeq} (15min)	53.6	54	Compliant
BN_03, High Street	30/11/2017 10:05	Attended	Y	L _{aeq} (15min)	52.5	54	Compliant
BN_02, Munn Street	30/11/2017 10:35	Attended	Y	L _{aeq} (15min)	55.8	65	Compliant
BN_03, High Street	30/11/2017 20:10	Attended	Y	L _{aeq} (15min)	54.0	54	Compliant
BN_02, Munn Street	30/11/2017 20:45	Attended	Y	L _{aeq} (15min)	59.6	65	Compliant