



Environmental Monitoring Data

Project: Sydney Metro City & Southwest– TSE Works

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Document Approval

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01	10/11/17	R. Muir	R. Muir	C. Richards	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

One water treatment plant (BL-1) was registered with the EPA during the reporting period (October 2017). Testing and discharge was undertaken at treatment plant BL-1 during this reporting period. Water monitoring results are summarised in Table 1.

4. Noise and Vibration Monitoring

Noise monitoring was undertaken during the reporting period and results are detailed in Table 2.

Table 1: Water Monitoring Data

Monitoring Point	Identifier ¹	Date Sampled	Event Based Monitoring (Y/N)	Parameter/ Criteria/ Measured Value			Comments
				pH (6.5 - 8.5)	Total Suspended Solids (50 mg/L)	Oil & Grease (None Visible)	
2	WTP BL-1	20/10/17	Y	7.8	<10	N/A	Compliant
2	WTP BL-1	27/10/17	Y	7.7	19	N/A	Compliant

NOTES: ¹ Water Treatment Plant (WTP), Sediment Basin (SB)

Table 2: 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, Nelson Street, Chatswood	24/10/17	Attended	Y	L _{aeq} (15min)	48.1	70	Compliant