Sydney Metro North West

Design and Construction of Surface and Viaduct Civil Works

Environmental Monitoring Data

Environment Protection Licence No. 20454

July 2017

Document Approval

Doc No	**Environmental Monitoring Data July 2017**				
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	J. Burgin	B.Tucker	G. Perdikaris	03/08/2017

1.0 Introduction

The North West Rail Link is Australia's largest public transport infrastructure project and a priority rail project for the NSW Government. The Impreglio Salini Joint Venture (ISJV) has been contracted to design and construct the viaducts, bridges and associated civil works required for the NWRL between Bella Vista and Cudgegong Road.

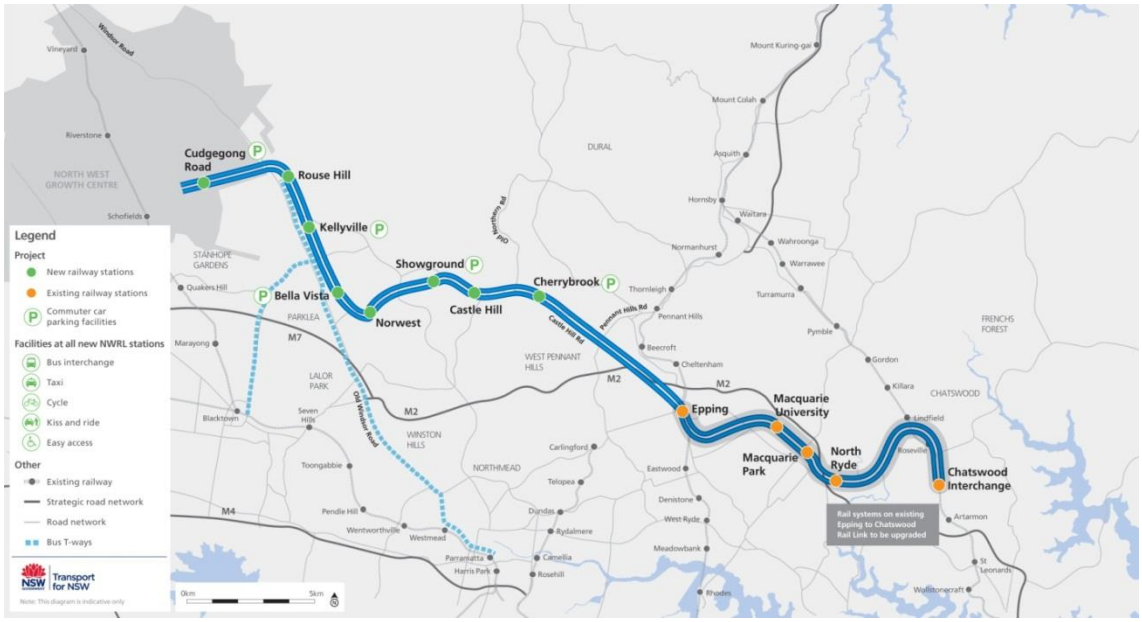

Figure 1: Project overview

2.0 Environmental Protection Licence and Reporting Requirements

The *Protection of the Environment Operations Act 1997* (POEO Act) requires holders of environment protection licences (EPLs) to make pollution monitoring data required by the EPL publicly available.

Salini Australia Pty. Ltd. holds EPL No. 20454 from the NSW Environment Protection Authority for the SVC Works on behalf of ISJV. The licence is for construction works relating to Rail Systems Activities as defined under Schedule 1 of the POEO Act.

Condition M2 of the EPL requires monitoring the concentration of total suspended solids, pH and visible oil and grease in waters discharged from sediment basins on the premises. The full licence can be viewed on the EPA website at:
http://epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=41738&SYSUID=1&LICID=20454

3.0 Discharge Water Monitoring

Table 1: Water Monitoring Data

Data for month: July 2017 Published: August 2017

No discharges occurred in July 2017.

KEY

Pollutant	TSS	*NTU	pH	Oil and grease
Concentration Limit	50 mg/L	71	6.5 – 8.5	Not visible

N/A = Not Applicable

NT = Not Tested

mg/L = milligrams per litre

TSS = Total Suspended Solids (mg/L)

*NTU = Nephelometric Turbidity Units

A correlation graph between TSS and NTU has been established for the site. Using a 25% safety factor, a NTU reading of 71 has been adopted to ensure samples have a TSS below 50mg/L. Quality assurance measures and ongoing verification of the correlation will be used to ensure that this value continues to be an appropriate indicator of TSS.