

# Sydney Metro North West

Design and Construction of Surface  
and Viaduct Civil Works



## Environmental Monitoring Data

Environment Protection Licence No. 20454

June 2017

### Document Approval

<b>Doc No</b> Environmental Monitoring Data May 2017					
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	J. Burgin	B.Tucker	G. Perdikaris	03/07/2017

### 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 Cudgong Road.

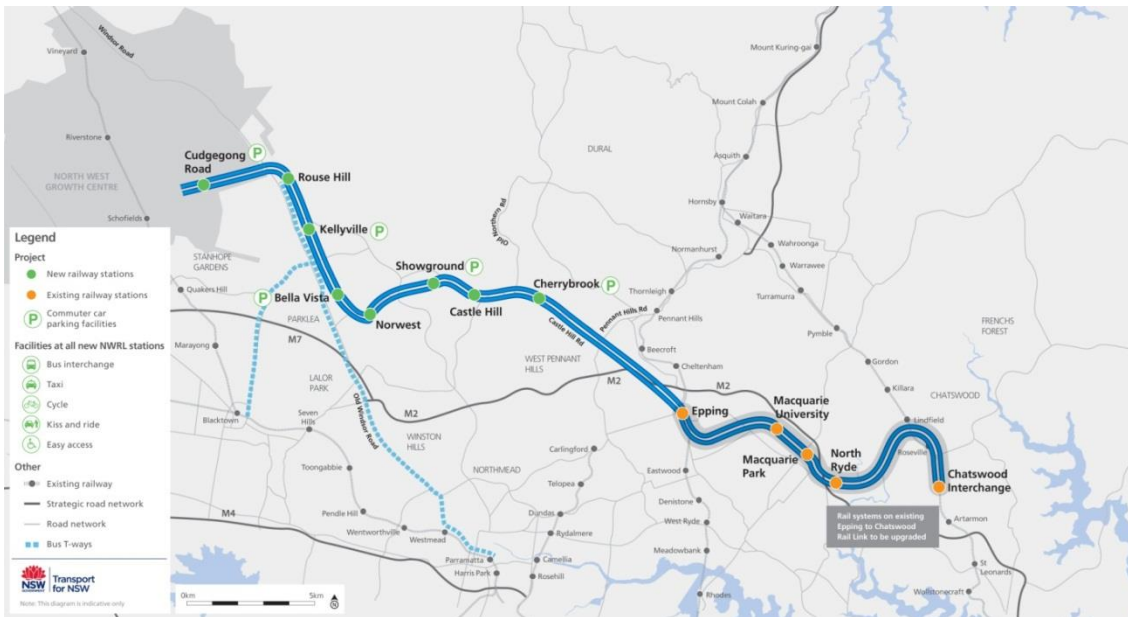


Figure 1: Project overview

### 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: June 2017

Published: July 2017

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
9/06/2017	SB16	44225	NT	49	6.52	Not visible	Yes
9/06/2017	SB16	44225	NT	26.4	6.65	Not visible	Yes
13/06/2017	SB18b	41360	NT	60.8	8.19	Not visible	Yes
13/06/2017	SB16	44225	NT	42.3	7.86	Not visible	Yes*
13/06/2017	SB16	44225	NT	14.5	7.96	Not visible	Yes
14/06/2017	SB16	44225	NT	33.7	6.58	Not visible	Yes
14/06/2017	SB16	44225	NT	28.6	7.15	Not visible	Yes
14/06/2017	SB16	44225	NT	0	7.43	Not visible	Yes
14/06/2017	SB18a	41290	NT	52	7.33	Not visible	Yes
14/06/2017	SB16	44225	NT	37.6	7.36	Not visible	Yes
15/06/2017	SB16	44225	NT	12.84	7.46	Not visible	Yes
15/06/2017	SB8	44680	NT	51	7.55	Not visible	Yes
15/06/2017	SB17	40840	NT	69.5	7.85	Not visible	Yes
16/06/2017	SB11	40500	NT	45.3	8.01	Not visible	Yes
17/06/2017	SB11	40500	NT	24	8.14	Not visible	Yes
19/06/2017	SB11	40500	NT	48.7	7.6	Not visible	Yes
20/06/2017	SB11	40500	NT	30.2	7.6	Not visible	Yes
21/06/2017	SB11	40500	NT	28.3	7.71	Not visible	Yes
21/06/2017	SB17	40840	NT	43.8	7.6	Not visible	Yes
22/06/2017	SB11	40500	NT	19.1	7.59	Not visible	Yes
23/06/2017	SB11	40500	NT	16.08	7.76	Not visible	Yes

\* Non-compliance reported. See Environment Protection Licence No. 20454 Monthly Non-Compliance and Discharges Report June 2017 for details.

**KEY**

Pollutant	TSS	*NTU	pH	Oil and grease
<b>Concentration Limit</b>	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 <i>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.</i>		