

# Sydney Metro North West

Design and Construction of Surface  
and Viaduct Civil Works



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## Environmental Monitoring Data

Environment Protection Licence No. 20454

June 2016

### Document Approval

<b>Doc No</b> Environmental Monitoring Data June 2016					
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	J. Burgin	S. Fermio	I. Stuart	07/07/2016

### 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 Impregilo 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.

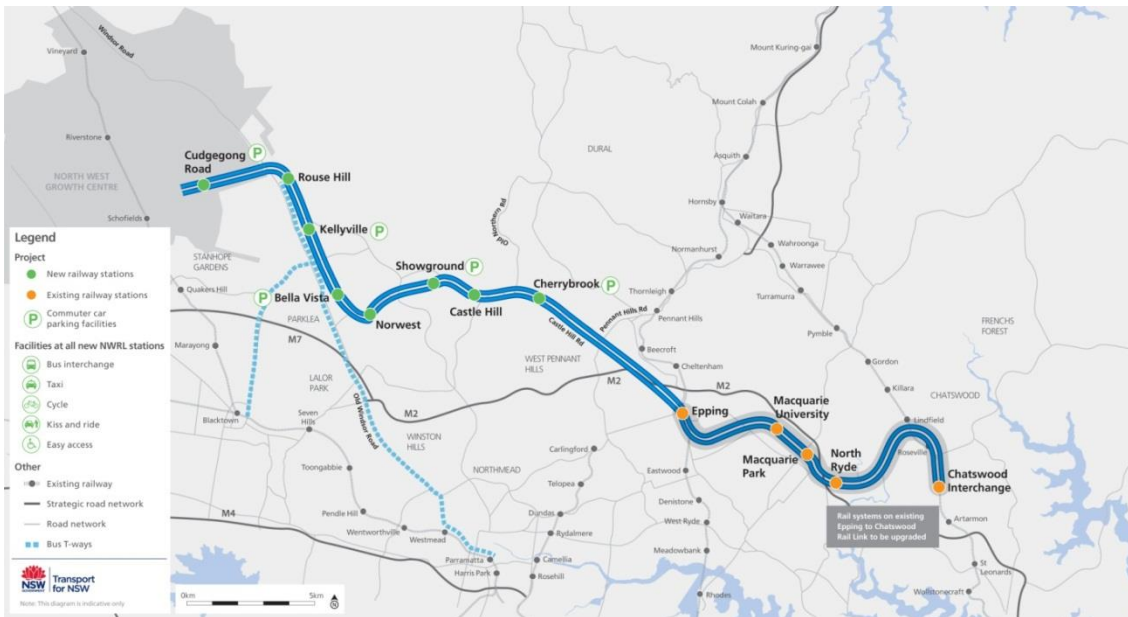


Figure 1: Project overview

### 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

Water monitoring results for water discharged from sediment basins during the reporting period are summarised in Table 1. All results were compliant with the Environment Protection Licence.

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**Table 1: Water Monitoring Data**

Data for month: June 2016

Published on: 7 July 2016

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
01/06/16	SB7	44810	NT	44	8.1	Not Visible	Yes
06/06/16	SB3	46220	NT	30.4	8.2	Not Visible	Yes
06/06/16	SB10	46300	NT	21.6	8.16	Not Visible	Yes
06/06/16	SB16	44225	NT	20	8.4	Not Visible	Yes
06/06/16	SB1	42340	NT	37.2	8.12	Not Visible	Yes
06/06/16	SB1	42340	NT	32.1	8.1	No Visible	Yes
08/06/16	SB1	42340	NT	36.1	8.1	Not Visible	Yes
08/06/16	SB7	44810	NT	55	8.41	Not Visible	Yes
07/06/16	SB18A	41290	NT	27.1	7.92	Not Visible	Yes
07/06/16	SB18B	41360	NT	43	8.12	Not Visible	Yes
07/06/16	SB4	42150	NT	17.6	8.13	Not Visible	Yes
07/06/16	SB5	41900	NT	11.2	8.2	Not Visible	Yes
07/06/16	SB6	41760	NT	6.3	8.17	Not Visible	Yes
09/06/16	SB10	46300	NT	10.6	8.1	Not Visible	Yes
09/06/16	SB15	42840	NT	56	8.24	Not Visible	Yes
15/06/16	SB1	42340	NT	63.6	8.22	Not Visible	Yes
20/06/16	SB10	46300	NT	8.21	19.3	Not Visible	Yes
20/06/16	SB3	46220	NT	56.4	8.27	Not Visible	Yes
20/06/16	SB16	44225	NT	43	8.1	Not Visible	Yes
21/06/16	SB6	41760	NT	17.3	8.12	Not Visible	Yes
22/06/16	SB18A	41290	NT	16.2	8.3	Not Visible	Yes

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Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
22/06/16	SB4	42150	NT	13.6	8.21	Not Visible	Yes
22/06/16	SB1	42340	NT	27.4	8.23	Not Visible	Yes
22/06/16	SB18A	41290	NT	18.4	8.26	Not Visible	Yes

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>		