

# 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

November 2015

### Document Approval

<b>Doc No</b> Environmental Monitoring Data November 2015					
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	D. Malysiak	T. Austin	I. Stuart	7 December 2015

### 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.

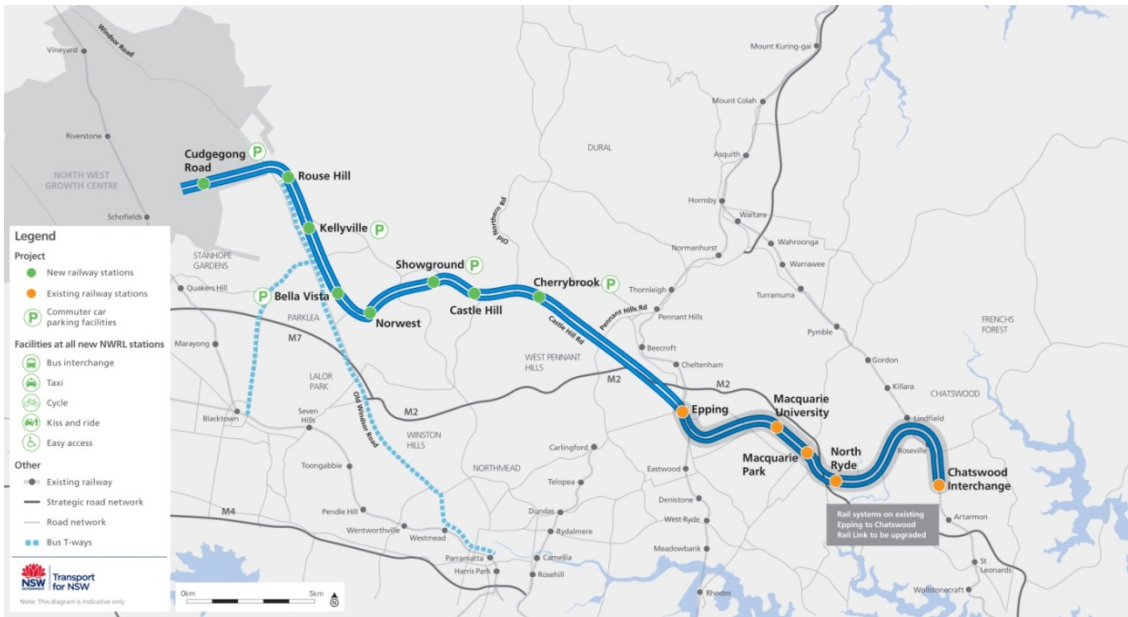


Figure 1: Project overview

### 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.

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**Table 1: Water Monitoring Data**

Data for month: November 2015

Published on: 7 Dec 2015

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
2/11/2015	SB13	46220	NT	16.5	7.8	Not Visible	Yes
3/11/2015	SB7	44810	NT	9.3	7.9	Not Visible	Yes
3/11/2015	SB13	46385	NT	20.2	7.8	Not Visible	Yes
4/11/2015	SB9	44470	NT	14	8.3	Not Visible	Yes
9/11/2015	SB10	46300	6.0	7.1	7.9	Not Visible	Yes
9/11/2015	SB2	42420	NT	11.3	7.9	Not Visible	Yes
9/11/2015	SB3	46220	NT	2.9	8.2	Not Visible	Yes
9/11/2015	SB7	44810	NT	8.3	8.0	Not Visible	Yes
9/11/2015	SB13	46385	NT	2.8	8.3	Not Visible	Yes
9/11/2015	SB14	46435	NT	5.6	7.9	Not Visible	Yes
10/11/2015	SB9	44470	NT	15.1	8.2	Not Visible	Yes
10/11/2015	SB16	44225	NT	16.1	7.8	Not Visible	Yes
11/11/2015	SB1	42340	NT	16.2	7.7	Not Visible	Yes
16/11/2015	SB3	46220	NT	6.2	8.2	Not Visible	Yes
17/11/2015	SB14	46435	NT	17.5	8.2	Not Visible	Yes
17/11/2015	SB16	44225	NT	5.7	8.2	Not Visible	Yes
18/11/2015	SB5	41900	NT	23.5	8.3	Not Visible	Yes
17/11/2015	SB7	44810	NT	25.3	7.2	Not Visible	Yes
17/11/2015	SB8	44680	NT	21.5	6.9	Not Visible	Yes
17/11/2015	SB9	44470	NT	15.5	6.7	Not Visible	Yes
17/11/2015	SB10	46300	NT	29.6	8.2	Not Visible	Yes
17/11/2015	SB13	46385	NT	13.6	8.3	Not Visible	Yes
19/11/2015	SB18A	41290	NT	10.3	7.8	Not Visible	Yes
19/11/2015	SB18B	41360	NT	18.2	7.7	Not Visible	Yes
19/11/2015	SB1	42340	NT	33.6	7.8	Not Visible	Yes

KEY

Pollutant	TSS	*NTU	pH	Oil and grease
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Concentration Limit	50 mg/L	42	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 50% safety factor, a NTU reading of 42 has been adopted to ensure samples have a TSS below 50mg/L.</i>			