

# North West Rail Link

Design and Construction of Surface  
and Viaduct Civil Works



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## Environmental Monitoring Data

Environment Protection Licence No. 20454

June 2015

### Document Approval

<b>Doc No</b>	<b>Environmental Monitoring Data June 2015</b>				
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	D. Malysiak	T. Austin	I. Stuart	7 July 2015
1.1	Water monitoring data revised	D. Malysiak	T. Austin	I. Stuart	9 July 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 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.

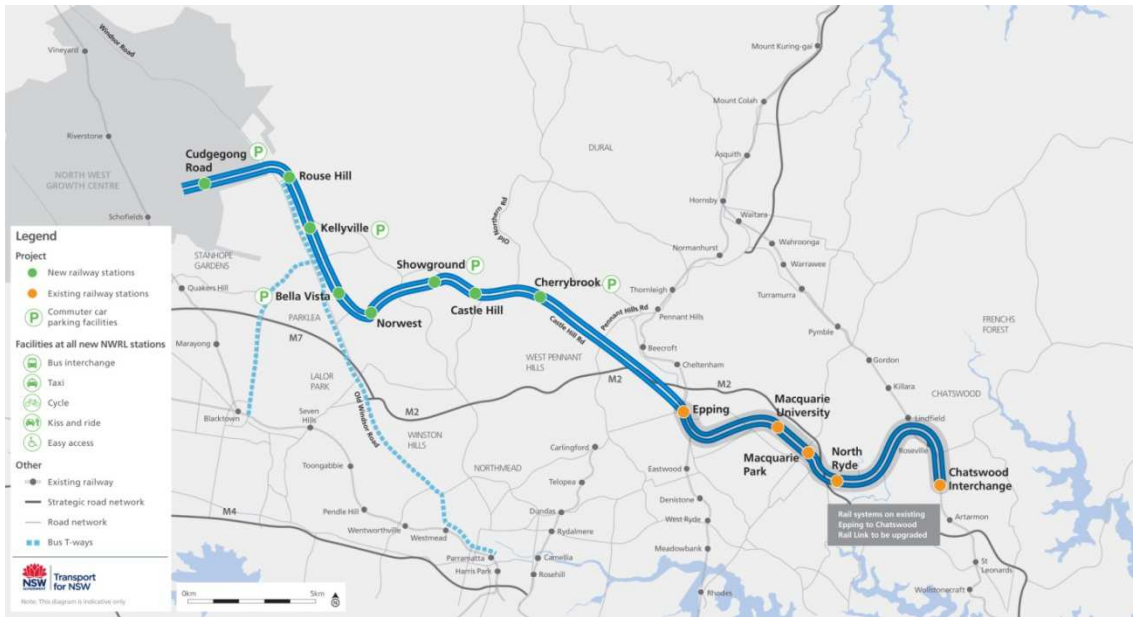


Figure 1: Project overview

### 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

Water monitoring results for water discharged from sediment basins during the reporting period are summarised in Table 1.

# Environment Monitoring Data

NWRL – Surface and Viaduct Civil Works



**Table 1: Water Monitoring Data**

Data for month: June 2015

Published on: 7 July 2015

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
4/6/15	SB9	44470		17	7.6	Not Visible	Yes
11/6/15	SB1	42340		29	8.2	Not Visible	Yes
18/6/15	SB10	46300		26	7.8	Not Visible	Yes
22/6/15	SB4	42150		15	7.8	Not Visible	Yes
22/6/15	SB5	41900		22	7.6	Not Visible	Yes
22/6/15	SB6	41760		23	7.7	Not Visible	Yes
22/6/15	SB10	46300		23	7.9	Not Visible	Yes
23/6/15	SB3	46220		12	6.6	Not Visible	Yes
23/6/15	SB1	42340		38	8.4	Not Visible	Yes
23/6/15	SB9	44470		14.4	7.44	Not Visible	Yes
24/6/15	SB2	42420		32	8.0	Not Visible	Yes
25/6/15	SB10	46300	3	11	8.1	Not Visible	Yes
25/6/15	SB3	46220		15	8.2	Not Visible	Yes
26/6/15	SB4	42150		16	7.9	Not Visible	Yes
29/6/15	SB10	46300		12	7.9	Not Visible	Yes

**KEY**

Pollutant	TSS	*NTU	pH	Oil and grease
<b>Concentration Limit</b>	50 mg/L	42	6.5 – 8.5	Not visible
N/A = Not applicable		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>		