

North West Rail Link

Design and Construction of Surface
and Viaduct Civil Works



Environmental Monitoring Data

Environment Protection Licence No. 20454

July 2015

Document Approval

Doc No	Environmental Monitoring Data July 2015				
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	D. Malysiak	T. Austin	I. Stuart	3 August 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.

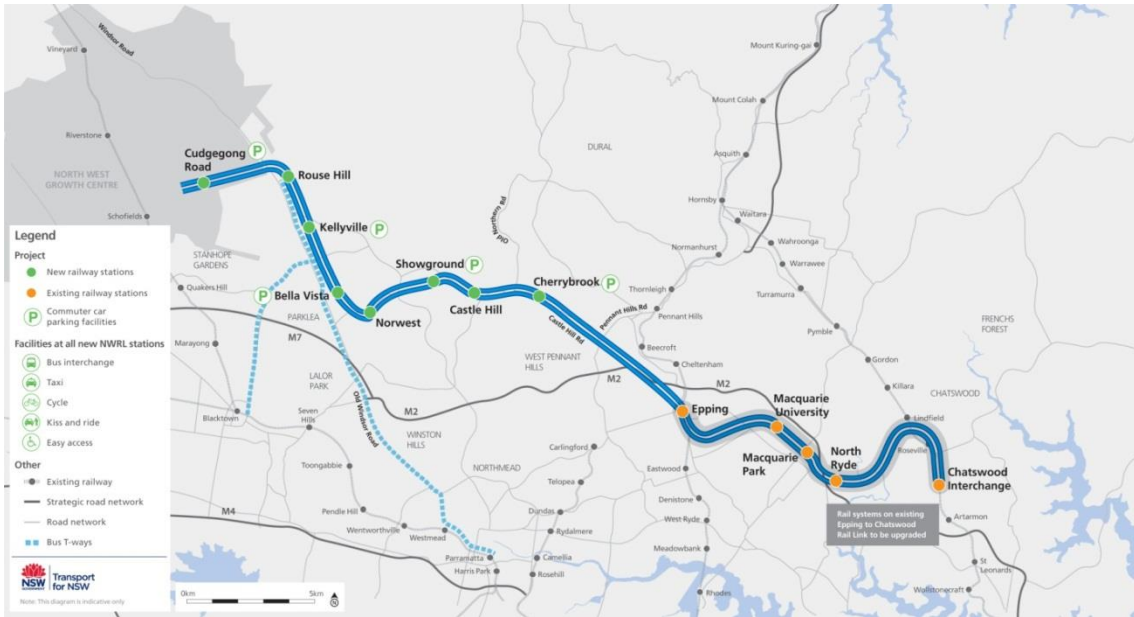


Figure 1: Project overview

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: July 2015

Published on: 12 Aug 2015

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
2/7/15	SB3	46220		35.6	7.7	Not Visible	Yes
2/7/15	SB10	46300		36.3	8.2	Not Visible	Yes
4/7/15	SB1	42340		39.2	7.5	Not Visible	Yes
10/7/15	SB3	46220	6	9.3	8.1	Not Visible	Yes
10/7/15	SB10	46300		13.4	8.1	Not Visible	Yes
14/7/15	SB2	42420		41.4	7.9	Not Visible	Yes
15/7/15	SB6	41760		16.4	7.9	Not Visible	Yes
15/7/15	SB10	46300		40.2	8.2	Not Visible	Yes
21/7/15	SB5	41900		7.6	7.6	Not Visible	Yes
22/7/15	SB3	46220		36.3	7.8	Not Visible	Yes
22/7/15	SB9	44470		21.7	8.2	Not Visible	Yes
23/7/15	SB1	42340		24.5	8.4	Not Visible	Yes
23/7/15	SB2	42420		27.7	8.3	Not Visible	Yes
23/7/15	SB10	46300	11	39.5	7.4	Not Visible	Yes
24/7/15	SB1	42340		22.3	8.4	Not Visible	Yes
24/7/15	SB10	46300		38.6	7.3	Not Visible	Yes
27/7/15	SB3	46220		5.5	8.1	Not Visible	Yes
28/7/15	SB10	46300		26.7	8.1	Not Visible	Yes

KEY

Pollutant	TSS	*NTU	pH	Oil and grease
Concentration Limit	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>		