

# 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

February 2016

### Document Approval

<b>Doc No</b> Environmental Monitoring Data February 2016					
Revision	Description	Prepared by	Reviewed by	Approved by	Date
1.0	Issued for publication	D. Malysiak	T. Austin	I. Stuart	03/03/2016

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### 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: February 2016

Published on: 4 March 2016

Date of Discharge	EPL Basin ID	Approx. Chainage	TSS (mg/L)	*NTU	pH (unit)	Oil and Grease (visibility)	Compliant (Yes/No)
1/02/16	SB9	44470	NT	29.1	8.45	Not Visible	Yes
1/02/16	SB12	44560	NT	14.4	8.04	Not Visible	Yes
2/02/16	SB2	42420	NT	32.9	8.45	Not Visible	Yes
2/02/16	SB3	46220	20	32.4	8.28	Not Visible	Yes
2/02/16	SB7	44810	9	27	8.42	Not Visible	Yes
2/02/16	SB8	44680	NT	40.3	7.11	Not Visible	Yes
2/02/16	SB10	46300	NT	17.8	8.30	Not Visible	Yes
2/02/16	SB13	46385	<5	9.5	8.23	Not Visible	Yes
2/02/16	SB14	46435	NT	14.1	8.16	Not Visible	Yes
2/02/16	SB18A	41290	10	12.6	8.15	Not Visible	Yes
2/02/16	SB18B	41360	10	30.8	7.85	Not Visible	Yes
3/02/16	SB1	42340	NT	25.8	8.38	Not Visible	Yes
3/02/16	SB6	41760	NT	7.5	8.10	Not Visible	Yes
4/02/16	SB16	44225	17	40.9	8.40	Not Visible	Yes
17/02/16	SB1	42340	NT	28.2	8.30	Not Visible	Yes
25/02/16	SB4	42150	NT	39.2	8.17	Not Visible	Yes
23/02/16	SB16	44225	NT	40.3	8.31	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  NT = Not tested  1 = NTU above 50 % safety factor adopted, but within acceptable limits. Laboratory sample confirmed TSS values of 24 mg/L and <5mg/L well below discharge limit of 50mg/L.		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>		