

JHCPB Joint Venture

EPL Monthly Monitoring Report

Reporting Period: June 2022

Project	Rozelle Interchange and WHT Enabling Works – Design and Construct
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1. Introduction

WestConnex is one of the NSW Government's key infrastructure projects which aims to ease congestion, create jobs and connect communities. Together with the other components of the WestConnex Program of Works and the proposed future Sydney Gateway, the WestConnex M4M5 Link will facilitate improved connections between western Sydney, Sydney Airport and Port Botany and south and south-western Sydney, as well as better connectivity between the important economic centres along Sydney's Global Economic Corridor and local communities (refer to Figure 1). Due to its importance, the WestConnex M4-M5 Link project was declared to be critical state significant infrastructure (CSSI) by the Minister for Planning on 15 August 2017.

The WestConnex M4-M5 Link is being delivered in two stages:

- Stage 1, the Mainline Tunnels, which includes the construction and operation of the M4-M5 Link Tunnel between the New M4 at Haberfield and the New M5 at St Peters, and
- Stage 2, the Rozelle Interchange, which will connect the Stage 1 mainline tunnels to the surrounding surface road network and includes the construction and operation of (see Figure 1)
 - › An interchange at Lilyfield and Rozelle, including a connection to the proposed future Western Harbour Tunnel and Beaches Link project, and
 - › A tunnel connection between the Anzac Bridge and Victoria Road, east of Iron Cove Bridge.



Figure 1 Westconnex Project Overview

2. Environmental Protection Licence and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 21278) from the NSW Environment Protection Authority for the Rozelle Interchange Works on behalf of the John Holland CPB (JHCPB) Joint Venture. The licence is for construction works relating to Road Construction as defined under Schedule 1 of the *Protection of the Environment Operations Act, 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the M4-M5 Link Rozelle Interchange Works, and specifically provides discharge criteria for water treatment plant and sediment basin water quality. The following report details environmental monitoring undertaken during this reporting month conducted in accordance with the EPL.

The EPL can be found by following the link below to the EPA's website:

<https://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=194995&SYSUID=1&LICID=21278>

3. Water Monitoring

Water monitoring was undertaken during this reporting period. Table 1 and 2 contain the water monitoring results. There were no exceedances during the monitoring period.

Table 1 Surface water quality monitoring results

Discharge/Monitoring Point	Date sampled	Turbidity (NTU)	pH	Oil & Grease	Monitoring frequency	Comment
		50 ¹	6.5-8.5	Visible	N/A	Licence Limit

No surface water monitoring was conducted during this reporting period.

¹ A correlation between TSS and Turbidity has been established. Including a safety factor, the turbidity limit is 50 NTU.

Table 2 Water quality monitoring results at Water Treatment Plant which processes ground water

Date Sampled	Discharge Point	Turbidity (NTU)	pH	Oil & Grease	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (hexavalent) (mg/L)	Chromium (trivalent) (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Monitoring frequency	Comment
		50 ¹	6.5 - 8.5	Visible	0.05	0.014	0.07 ²	0.15	0.04 ²	1.5	0.03	2.5	0.0007	0.2	0.15 ²	N/A	Licence Limit
01/06/2022	RRY-C	3.0	7.75	None visible	<0.0005	<0.0002	0.036	<0.001	0.002	0.015	0.0005	0.018	<0.0001	0.0007	<0.005	01/06/2022	RRY-C
01/06/2022	RRY-C	0.6	6.99	None visible	<0.0005	<0.0002	0.034	<0.001	0.003	0.011	0.0002	0.0052	<0.0001	0.0006	0.009	01/06/2022	RRY-C

¹ A correlation between TSS and Turbidity has been established. Including a safety factor the turbidity limit is 50NTU.

² 90 Percentile concentration limit.

4. Noise Monitoring

Noise monitoring was undertaken during the June 2022 reporting period. All construction noise monitoring results were complaint during this period. Where the predicted noise level was exceeded, this was result of extraneous activities (traffic passing). Construction noise was audible and in line with the predicted levels. Table 3 contains detailed noise monitoring results.

Table 3. Noise monitoring results

Monitoring Location (Noise Catchment Area, Street, Suburb)	Date	Time	Attended or Continuous Monitoring	Parameter	Goal/Target dB(A)	Actual dB(A)	Comments
NCA25: Lilyfield Road, Rozelle 2039	03/06/2022	12:07 PM	Attended	Laeq 1 minute	76	59.8	Compliant
NCA 25: Lilyfield Road, Rozelle 2039	03/06/2022	12:29 PM	Attended	Laeq 1 minute	73	51	Compliant
NCA 19: Lilyfield Road, Lilyfield 2040	03/06/2022	1:01 PM	Attended	Laeq 1 minute	82	64.9	Compliant
NCA19: Ryan St, Lilyfield, Lilyfield, 2040	03/06/2022	1:19 PM	Attended	Laeq 1 minute	73	59.7	Compliant
NCA 21: Johnston St, Annandale, 2038	10/06/2022	10:20 AM	Attended	Laeq 1 minute	92	69.3	Compliant
NCA 21: Johnston St, Annandale, 2038	10/06/2022	10:41 AM	Attended	Laeq 1 minute	92	57.9	Compliant
NCA 21: Pritchard Street, Annandale, 2038	10/06/2022	11:02 AM	Attended	Laeq 1 minute	79	60	Compliant
NCA20: Brenan Street, Lilyfield 2040	10/06/2022	11:28 AM	Attended	Laeq 1 minute	61	58.8	Compliant
NCA21: Railway Parade, Annandale, 2038	10/06/2022	11:48 AM	Attended	Laeq 1 minute	72	58.9	Compliant
NCA27: Glebe Point Road, Glebe 2037	10/06/2022	12:25 PM	Attended	Laeq 1 minute	62	58.5	Compliant

NCA 25: Lilyfield Road, Rozelle,2039	16/06/2022	12:50 AM	Attended	Laeq 1 minute	52	45.1	Compliant
NCA 25: Lilyfield Road, Rozelle 2039	16/06/2022	12:30 PM	Attended	Laeq 1 minute	55	54.3	Compliant
NCA 27: Glebe Point Road, Glebe 2037	16/06/2022	11:01 PM	Attended	Laeq 1 minute	47	57.8	Compliant – Extraneous noise (traffic) was the dominate noise source.
NCA 21: Johnston St, Annandale 2038	16/06/2022	11:43 PM	Attended	Laeq 1 minute	47	49.3	Compliant – Extraneous noise (traffic) was the dominate noise source.
NCA24: Hutcheson Street, Rozelle 2039	20/06/2022	2:05 PM	Attended	Laeq 1 minute	71	57.7	Compliant
NCA33: Toelle St, Rozelle 2039	21/06/2022	9:55 AM	Attended	Laeq 1 minute	80	69.4	Compliant
NCA36: Clubb Street, Rozelle, 2039	21/06/2022	10:23 AM	Attended	Laeq 1 minute	77	69.1	Compliant
NCA35: Warayama Pl, Rozelle 2039	21/06/2022	10:55 AM	Attended	Laeq 1 minute	90	69.4	Compliant
NCA 27: Glebe Point Road, Glebe 2037	23/06/2022	11:48 PM	Attended	Laeq 1 minute	47	53.2	Compliant – Extraneous noise (traffic) was the dominate noise source.
NCA 21: Johnston Street, Annandale 2038	24/06/2022	12:18 AM	Attended	Laeq 1 minute	47	45.2	Compliant
NCA25: Lilyfield Rd, Rozelle 2039	24/06/2022	1:17 AM	Attended	Laeq 1 minute	55	53.6	Compliant

NCA 25: Lilyfield Road, Rozelle 2039	24/06/2022	1:44 AM	Attended	Laeq 1 minute	52	45.3	Compliant
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