

JHCPB Joint Venture

# EPL Monthly Monitoring Report

Reporting Period: August 2022

Project	Rozelle Interchange and WHT Enabling Works – Design and Construct
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## Document Approval

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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 <sup>1</sup>	6.5-8.5	Visible	N/A	Licence Limit
ICL02	17/08/2022	14.3	7.07	No	Each Discharge	Compliant

<sup>1</sup> 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 <sup>1</sup>	6.5 - 8.5	Visible	0.05	0.014	0.07 <sup>2</sup>	0.15	0.04 <sup>2</sup>	1.5	0.03	2.5	0.0007	0.2	0.15 <sup>2</sup>	N/A	Licence Limit
02/08/2022	RRY-C	6.8	7.9	None visible	0.0003	<0.00005	0.014	<0.001	0.0019	0.004	<0.0001	0.0342	<0.0001	0.0008	0.006	02/08/2022	RRY-C
02/08/2022	RRY-C	3.0	7.14	None visible	0.0003	<0.00005	0.026	<0.001	0.0018	0.009	<0.0001	0.0082	<0.0001	0.0007	0.013	02/08/2022	RRY-C

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

<sup>2</sup> 90 Percentile concentration limit.

## 4. Noise Monitoring

Noise monitoring was undertaken during the August 2022 reporting period. All construction noise monitoring results were compliant 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
NCA33: Toelle St, Rozelle	02/08/2022	1:02 PM	Attended	Laeq 15 minute	80	67	Compliant
NCA36: Clubb St, Rozelle	02/08/2022	1:20 PM	Attended	Laeq 15 minute	77	65.2	Compliant
NCA35: Warayama Pl, Rozelle	02/08/2022	1:50 PM	Attended	Laeq 15 minute	90	72.2	Compliant
NCA24: Hutcheson St, Rozelle	02/08/2022	2:27 PM	Attended	Laeq 15 minute	71	59.9	Compliant
NCA25: Lilyfield Rd, Rozelle	03/08/2022	10:54 PM	Attended	Laeq 15 minute	50	61.5	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA25: Lilyfield Rd, Rozelle	04/08/2022	12:13 AM	Attended	Laeq 15 minute	50	55.3	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA25: Lilyfield Rd, Rozelle	04/08/2022	1:01 AM	Attended	Laeq 15 minute	50	56.1	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA27: Glebe Point Rd, Glebe	04/08/2022	8:43 AM	Attended	Laeq 15 minute	64	61.1	Compliant

NCA25: Lilyfield Rd, Rozelle	10/08/2022	10:48 PM	Attended	Laeq 15 minute	50	64.4	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA25: Lilyfield Rd, Rozelle	11/08/2022	12:04 AM	Attended	Laeq 15 minute	50	60.7	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA 21: Pritchard St, Annandale	16/08/2022	9:05 AM	Attended	Laeq 15 minute	79	58	Compliant
NCA 21: Johnston St, Annandale	16/08/2022	9:25 AM	Attended	Laeq 15 minute	81	59.3	Compliant
NCA20: Brenan St, Lilyfield	16/08/2022	9:51 AM	Attended	Laeq 15 minute	61	57.6	Compliant
NCA21: Railway Pde, Annandale	16/08/2022	10:13 AM	Attended	Laeq 15 minute	72	56.1	Compliant
NCA25: Lilyfield Rd, Rozelle	16/08/2022	11:45 PM	Attended	Laeq 15 minute	90	62.0	Compliant
NCA25: Lilyfield Rd, Rozelle	22/08/2022	11:00 AM	Attended	Laeq 15 minute	61	63.4	Compliant
NCA27: Glebe Point Rd, Glebe	22/08/2022	11:39 AM	Attended	Laeq 15 minute	59	64.8	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.

NAC21: Johnston St, Annandale	23/08/2022	11:22 PM	Attended	Laeq 15 minute	47	47.7	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA25: Lilyfield Rd, Rozelle	24/08/2022	1:00 AM	Attended	Laeq 15 minute	50	54.3	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA25: Lilyfield Rd, Rozelle	25/08/2022	11:45 PM	Attended	Laeq 15 minute	90	73.7	Compliant
NCA25: Lilyfield Rd, Rozelle	31/08/2022	9:00 AM	Attended	Laeq 15 minute	74	69.9	Compliant
NCA25: Lilyfield Rd, Rozelle	31/08/2022	9:30 AM	Attended	Laeq 15 minute	61	59.1	Compliant
NCA19: Lilyfield Rd, Lilyfield	31/08/2022	12:48 PM	Attended	Laeq 15 minute	70	65.2	Compliant
NCA19: Ryan St, Lilyfield	31/08/2022	1:06 PM	Attended	Laeq 15 minute	70	62.7	Compliant