



#### JHCPB Joint Venture

## **EPL Monthly Monitoring Report**

#### Reporting Period: December 2023

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

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00	09/01/2024			Wong		

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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.

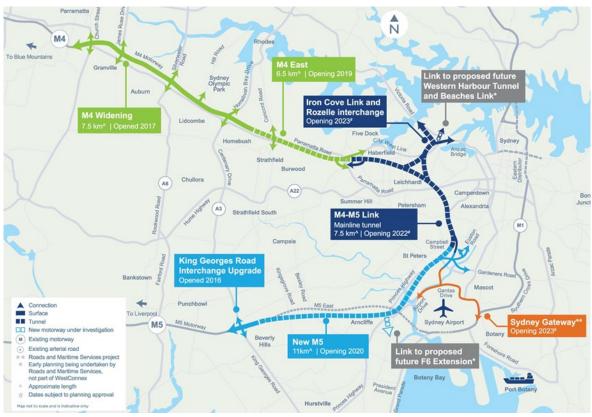


Figure 1 Westconnex Project Overview

# 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&LI CID=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.

#### **WestConnex**

Table 1 Surface water quality monitoring results

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

No surface water monitoring for discharge was conducted during this reporting period.

<sup>&</sup>lt;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	Turbi dity (NTU)	рН	Oil & Grease	Arsenic (mg/L)	Cadmium (mg/L)	Chromium (hexavalent) (mg/L)	Chromium (trivalent) (mg/L)	Copper (mg/L)	lron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)	Monitoring frequency	Comment
RIC EPL 21278 Discharge Col		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

The operational water treatment plant has been handed over to TfNSW in November 2023. JHCPB has no further discharge from any water treatment plant.

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

Rozelle Interchange WestConnex

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

#### 4. Noise Monitoring

Noise monitoring was undertaken during the December 2023 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.

### Rozelle Interchange

#### WestConnex

Table 3 Noise monitoring results

Monitoring Location (Noise Catchment Area, Street, Suburb)	Time Continuous Parameter		Parameter	Goal/Target dB(A)	Actual dB(A)	Comments
NCA25: Lilyfield Rd, Rozelle	14/12/2023	09:49 AM	Attended	Attended Laeq 15 minute 63 61		Compliant
NCA24: Hutcheson St, Rozelle	14/12/2023	10:15 AM	Attended Laeq 15 54 minute		66.4	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.
NCA21: Railway Pde, Annandale	15/12/2023 08:39 AM Attended Laeq 15 minute 52		59.3	Compliant – Extraneous noise (traffic) was the dominate noise source. Project-related noise below target level.		