

JHCPB Joint Venture

EPL Monthly Monitoring Report

Reporting Period: September 2019

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://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=174300&SYSUID=1&LICID=21278>

3. Water Monitoring

Testing and discharge of water was undertaken during this reporting period. Table 1 contains the water monitoring results.

Table 1 Water monitoring results

Discharge/Monitoring Point	Date sampled	Total suspended solids (mg/L)		pH		Oil & Grease		Monitoring frequency	Comment
		Licence limit	Result ¹	Licence limit	Result	Licence limit	Result		
Sep-19									
RRY01	05/09/2019	50	40	6.5-8.5	7.2	None Visible	None Visible	Each discharge	Compliant
RRY01	07/09/2019	50	22	6.5-8.5	6.57	None Visible	None Visible	Each discharge	Compliant
RRY01	20/09/2019	50	36	6.5-8.5	7.92	None Visible	None Visible	Each discharge	Compliant
RRY01	23/09/2019	50	39	6.5-8.5	7.83	None Visible	None Visible	Each discharge	Compliant
RRY01	23/09/2019	50	35	6.5-8.5	7.61	None Visible	None Visible	Each discharge	Compliant
RRY01	23/09/2019	50	20	6.5-8.5	7.51	None Visible	None Visible	Each discharge	Compliant
RRY01	24/09/2019	50	16	6.5-8.5	7.32	None Visible	None Visible	Each discharge	Compliant
RRY01	24/09/2019	50	16	6.5-8.5	7.97	None Visible	None Visible	Each discharge	Compliant
RRY01	24/09/2019	50	36	6.5-8.5	7.92	None Visible	None Visible	Each discharge	Compliant
RRY01	24/09/2019	50	39	6.5-8.5	7.83	None Visible	None Visible	Each discharge	Compliant
RRY01	28/09/2019	50	19.8	6.5-8.5	8.05	None Visible	None Visible	Each discharge	Compliant
RRY01	30/09/2019	50	19	6.5-8.5	8.22	None Visible	None Visible	Each discharge	Compliant
RRY01	30/09/2019	50	21.6	6.5-8.5	8.38	None Visible	None Visible	Each discharge	Compliant

¹ 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 this reporting period. Table 2 contains the noise monitoring results.

Table 2 Noise monitoring results

Monitoring Location (Noise Catchment Area, Street, Suburb)	Date	Time	Attended or Continuous Monitoring	Parameter	Goals/Target dB(A)	Measured dB(A)	Comments
NCA25, Lilyfield Road, Rozelle	03/09/2019	10:15pm	Attended	LAeq 15 minutes	63	55.9	Compliant
NCA24, Denison Street, Lilyfield	03/09/2019	11:00pm	Attended	LAeq 15 minutes	64	49.2	Compliant
NCA21, Railway Parade, Annandale	03/09/2019	11:24pm	Attended	LAeq 15 minutes	64	41.5	Compliant
NCA23, Johnston Street, Annandale	03/09/2019	11:48pm	Attended	LAeq 15 minutes	56	51.1	Compliant
NCA25, Hornsey Street, Rozelle	04/09/2019	1:00am	Attended	LAeq 15 minutes	66	58.7	Compliant
NCA29, Robert Street, Balmain	04/09/2019	1:30am	Attended	LAeq 15 minutes	60	59.4	Compliant
NCA25, Lilyfield Road, Rozelle	04/09/2019	1:55am	Attended	LAeq 15 minutes	72	54.7	Compliant
NCA21, Railway Parade, Annandale	09/09/2019	11:45pm	Attended	LAeq 15 minutes	64	45.4	Compliant
NCA29, Mansfield Street, Balmain	10/09/2019	11:12pm	Attended	LAeq 15 minutes	59	41	Compliant
NCA24, Denison Street, Lilyfield	10/09/2019	11:45pm	Attended	LAeq 15 minutes	64	42.6	Compliant
NCA24, Denison Street, Lilyfield	10/09/2019	12:10am	Attended	LAeq 15 minutes	64	41.4	Compliant
NCA29, Robert Street, Balmain	10/09/2019	1:35am	Attended	LAeq 15 minutes	59	41.7	Compliant
NCA25, Lilyfield Road, Rozelle	10/09/2019	3:06am	Attended	LAeq 15 minutes	76	49.8	Compliant