



Newcastle Inner City Bypass – Rankin Park to Jesmond Project

ENVIRONMENT PROTECTION LICENCE NO: 21762

POLLUTION MONITORING DATA

May 2024

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1. Introduction

The Australian and NSW governments are funding the Rankin Park to Jesmond section of the Newcastle Inner City Bypass. The bypass will be built to the west of John Hunter Hospital. In July 2022, a design and construct contract was awarded to Fulton Hogan Construction Pty Ltd who will finalise the design for the bypass and started major construction in March 2023.

The project will take three years to complete, weather permitting and will involve building a 3.4 kilometre four-lane divided road including:

- a northern interchange at Newcastle Road
- an interchange providing access to the John Hunter Hospital precinct
- a southern interchange at Lookout Road
- structures to improve connectivity in the bushland for people and animals
- off-road provisions for pedestrians and cyclists.

In accordance with section 66(6) of the POEO Act the following report details all required monitoring undertaken over the reporting period.

2. Water Quality Monitoring

Sampling conducted throughout the month.

Table 1 Monitoring results – Point 1 – May 2024

Date	Sample Location	pH	Oil/Grease	Irrigation Area
16/05/2024	7520W	6.9	No	A
16/05/2024	10160E	7.4	No	H
16/05/2024	9680E	7	No	H
17/05/2024	10160E	7.1	No	H
23/05/2024	10160E	7	No	H
24/05/2024	9050W	6.9	No	E
27/05/2024	8100W	7	No	C
27/05/2024	9050W	6.6	No	E
28/05/2024	8100W	7.2	No	C
29/05/2024	8100W	6.5	No	C
29/05/2024	8000E	6.8	No	D
29/05/2024	8050E	6.8	No	D
30/05/2024	8000E	7.1	No	D

Table 2 Monitoring results – Point 2 – May 2024

Date	Sample Location	Turbidity (NTU)	pH	Oil/Grease	Discharge Area
13/05/2024	9560E	45	7.1	No	Spillway
14/05/2024	9560E	29.8	7.5	No	Spillway
15/05/2024	8760W	40.6	6.8	No	Spillway
15/05/2024	9560E	40	7.5	No	Spillway
15/05/2024	8000E	33.9	6.9	No	Spillway
15/05/2024	8100W	30	6.8	No	Spillway
15/05/2024	10060W	37.7	7.3	No	Spillway
16/05/2024	10060W	34.2	6.9	No	Spillway
17/05/2024	8220W	44.4	7.1	No	Spillway
17/05/2024	8000E	27	7.1	No	Spillway
22/05/2024	8000E	35.9	6.6	No	Spillway
22/05/2024	10060W	42.3	7.2	No	Spillway
23/05/2024	8220W	39.2	7.1	No	Spillway
23/05/2024	9680E	34.3	7.6	No	Spillway
24/05/2025	8220W	39.6	7	No	Spillway
24/05/2024	8100W	28	7	No	Spillway
24/05/2024	7440W	32.8	7.7	No	Spillway
24/05/2024	8000E	28.2	7	No	Spillway
24/05/2024	10060W	26.6	7.7	No	Spillway
27/05/2024	7520W	13	7.9	No	Spillway
27/05/2024	8760W	37.8	6.8	No	Spillway
28/05/2024	7520W	11.24	7.3	No	Spillway
28/05/2024	8900W	44.8	6.9	No	Spillway
28/05/2024	7440W	26	7.6	No	Spillway
29/05/2024	7440W	36	7.3	No	Spillway

3. Vibration Monitoring

Sampling conducted throughout the month.

Table 3 May Monitoring Results – Blasting

Date	Sample Location	Overpressure (dB)	Peak Particle Velocity (mm/sec)	Notes
17/05/2024	Bellinger Close	109.7	2.08	Most impacted residence
17/05/2024	JHH	NA	0.273	Most impacted other sensitive receiver

28/05/2024	Bellinger Close	106.7	0.74	Most impacted residence
28/05/2024	JHH	NA	0.3118	Most impacted other sensitive receiver