



Newcastle Inner City Bypass – Rankin Park to Jesmond Project

ENVIRONMENT PROTECTION LICENCE NO: 21762

POLLUTION MONITORING DATA

November 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 – November 2024

Date	Sample Location	pH	Oil/Grease	Irrigation Area

Table 2 Monitoring results – Point 2 – December 2024

Date	Sample Location	Turbidity (NTU)	pH	Oil/Grease	Discharge Area
5/11/2024	7520W	21.1	7	No	Spillway
6/11/2024	8100W	30.8	7.1	No	Spillway
6/11/2024	8220W	30	7.3	No	Spillway
6/11/2024	8000E	5	6.7	No	Spillway
6/11/2024	7440W	20.7	7	No	Spillway
6/11/2024	10060W	26.7	7	No	Spillway
7/11/2024	8900W	22.1	7	No	Spillway
7/11/2024	10060W	31.9	7	No	Spillway
7/11/2024	8100W	26.1	7.5	No	Spillway
11/11/2024	7520W	13.11	7.1	No	Spillway
11/11/2024	10060W	29	7	No	Spillway
11/11/2024	8900W	13.78	7.3	No	Spillway

Date	Sample Location	Turbidity (NTU)	pH	Oil/Grease	Discharge Area
11/11/2024	8100W	35.3	7.4	No	Spillway
11/11/2024	8220W	35.5	7.6	No	Spillway
11/11/2024	9560E	24.9	7.5	No	Spillway
13/11/2024	7520W	29.1	7	No	Spillway
14/11/2024	10060W	45.7	7.5	No	Spillway
14/11/2024	9680E	30.6	7.4	No	Spillway
14/11/2024	9560E	43.4	7.6	No	Spillway
15/11/2024	7440W	45.8	7.4	No	Spillway
19/11/2024	8100W	20.3	7.1	No	Spillway
19/11/2024	8220W	17.61	7.1	No	Spillway
19/11/2024	8000E	31.1	7.4	No	Spillway
19/11/2024	10060W	22.4	7.6	No	Spillway
20/11/2024	8900E	17.33	7.2	No	Spillway
20/11/2024	8100W	13.91	7.3	No	Spillway
20/11/2024	9560E	28.4	7.6	No	Spillway
21/11/2024	7520W	9.87	7	No	Spillway
21/11/2024	7440W	22.8	7.5	No	Spillway
22/11/2024	8900W	27.4	6.9	No	Spillway

3. Vibration Monitoring

Sampling conducted throughout the month.

Table 3 November Monitoring Results

Date	Sample Location	Peak Particle Velocity (mm/sec)	Notes
21/11/2024	117 Lookout Rd	0.1820	Sample taken during smooth drum roller works, approximately 100m from the sample location.
21/11/2024	117 Lookout Rd	0.26	Monitoring taken during smooth drum roller works, approximately 80m from the sample location.