



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

August 2021

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1. Introduction

The Albion Park Rail bypass is a new 9.8 kilometre motorway to bypass Albion Park Rail and extend the M1 Princes Motorway between Yallah and Oak Flats to bypass Albion Park Rail. The motorway would complete the 'missing link' for a high standard road between Sydney and Bomaderry.

Transport for NSW has contracted Fulton Hogan to design and construct the Albion Park Rail bypass. The construction works commenced in January 2019.

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

2. Sediment Basin Discharges

Multiple Sediment Basin were discharges off-site during the reporting period.

Table 1 Monitoring results – August 2021

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
9/08/2021	SB21000E	8.2	8.97	10	No
9/08/2021	SB23850E	8.3	11.23	23	No
27/08/2021	SB18520E	7.9	26.3	12	No
27/08/2021	SB24300E	8.1	25.6	17	No
27/08/2021	SB24400E	8.4	25.7	9	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – August 2021

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	17/08/2021	51	No construction at time of monitoring. Traffic Princes HWY (46-54) most dominant noise source.
3	L2 - 78 Jarrah Way, Albion Park Rail	17/08/2021	48	No construction audible at time of monitoring. Most dominant noise source: Birds (40-52)
4	L3 - 17 Gumnut Street, Albion Park Rail	17/08/2021	66	Construction audible at time of monitoring: Dozer (48-76), Ecodynamics Truck (53-57) 5T Excavator (44-58) and Squawker (51-53)
5	L4 - 152 Croome Road, Albion Park	17/08/2021	68	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (53-83)

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
6	L5 - 59 Burdekin Drive, Albion Park	17/08/2021	57	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (48-74)
7	L6 - 25 Fraser Crescent, Albion Park	17/08/2021	47	No construction at time of monitoring. Most dominant noise source: Birds (40-53)
8	L7 - 52 Tongarra Road, Abion Park	17/08/2021	74	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (50-87)
9	L8 - 24 Terry Street, Albion Park	17/08/2021	65	No construction audible at time of monitoring. Most dominant noise source: Traffic on Terry St (55-86)
10	L9 - 42 Larkins Lane, Yallah	17/08/2021	67	No construction at time of monitoring. Most dominant noise source: Traffic on the new alignment (50-83)
11	L10 - 4 Semillon Place, Mount Brown	17/08/2021	58	No construction at time of monitoring. Most dominant noise source: Traffic on the Princes HWY (49-64)

4. Air Monitoring Results

Table 3 Composite Monitoring results – August 2021

EPA ID#	Location	Ash Content g/m ² .month	Combustible Matter g/m ² .month	Total Insoluble Matter g/m ² .month
12	DMG 1 34 Princes Highway, Yallah	0.1	<0.1	0.1
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.2	0.1	0.3

Table 4 Continuous Monitoring results – August 2021

EPA ID#	Location	PM_{2.5} (mg/m³)	PM₁₀ (mg/m³)	Total Suspended particles (mg/m³)
14	RT2 – 2 Stapleton St, Albion Park	Min: 0.0000 Avg: 0.0093 Max: 0.3410	Min: 0.0000 Avg: 0.0089 Max: 0.5730	Min: 0.0000 Avg: 0.0090 Max: 0.5830
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0000 Avg: 0.0093 Max: 1.1900	Min: 0.0000 Avg: 0.0102 Max: 1.2000	Min: 0.0000 Avg: 0.0102 Max: 1.2000

Note:

1. The project EPL only requires the project to monitor Particulate Matter (PM_{2.5}, PM₁₀ and TPS) and does not stipulate criteria for air quality to be recorded against.