



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

July 2021

Contents

1. Introduction	3
2. Sediment Basin Discharges	3
3. Noise Monitoring Results	3
4. Air Monitoring Results	4

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 – July 2021

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
1/07/2021	SB19600W	8.1	12.78		No
2/07/2021	SB23850E	8.4	10.91		No
2/07/2021	SB18520E	8.3	14.97		No
7/07/2021	SB21000E	8.5	6.79		No
12/07/2021	SB25500W	8.3	23.4	9	No
12/07/2021	SB21000E	8.5	7.45	6	No
13/07/2021	SB23850E	8.4	6.55	10	No
15/07/2021	SB18520E	8.2	19.2	10	No
15/07/2021	SB24300E	8.3	25.5	21	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – July 2021

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	16/07/2021	51	No construction noises audible at time of monitoring. Most dominant noise sources: Traffic - Princes HWY (48-54) Cars nearby (48-54)

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
3	L2 - 78 Jarrah Way, Albion Park Rail	16/07/2021	46	Construction audible at time of monitoring: Hammers (43-48), Pipe cleaners (46-48) and squawker (44-46) other dominant noise sources at time of monitoring: Birds (40-51) and kids at playground (46-52)
4	L3 - 17 Gumnut Street, Albion Park Rail	16/07/2021	61	Construction audible at time of monitoring: Dozer (54-66), 20T excavator (50-60) and squawker (52-55) x6 Other dominant noise sources: Traffic (46-55) and birds (40-49)
5	L4 - 152 Croome Road, Albion Park	16/07/2021	69	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (48-81)
6	L5 - 59 Burdekin Drive, Albion Park	16/07/2021	58	No construction audible at time of monitoring. Most dominant noise source: Cars on Burdekin Dr (54-79) x10
7	L6 - 25 Fraser Crescent, Albion Park	16/07/2021	51	No construction audible at time of monitoring. Most dominant noise source: Nearby Cars and traffic (44-65)
8	L7 - 52 Tongarra Road, Albion Park	16/07/2021	73	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (47-81)
9	L8 - 24 Terry Street, Albion Park	16/07/2021	68	No construction audible at time of monitoring. Most dominant noise source: Traffic on Terry St (52-88)
10	L9 - 42 Larkins Lane, Yallah	16/07/2021	61	No construction at time of monitoring. Most dominant noise source: Traffic on the new alignment (48-71)
11	L10 - 4 Semillon Place, Mount Brown			Due to the completion in construction scope in this noise catchment area and the alignment is in its operational configuration, monitoring did not occur.

4. Air Monitoring Results

Table 3 Composite Monitoring results – July 2021

EPA ID#	Location	Ash Content g/m ² .month	Combustible Matter g/m ² .month	Total Insoluble Matter g/m ² .month
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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	0.6	0.1	0.7

Table 4 Continuous Monitoring results – July 2021

EPA ID#	Location	PM _{2.5} (mg/m ³)	PM ₁₀ (mg/m ³)	Total Suspended particles (mg/m ³)
14	RT2 – 2 Stapleton St, Albion Park	Min: 0.0000 Avg: 0.0094 Max: 0.2330	Min: 0.0000 Avg: 0.0104 Max: 0.2350	Min: 0.0000 Avg: 0.0105 Max: 0.2350
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0000 Avg: 0.0111 Max: 0.4860	Min: 0.0000 Avg: 0.0104 Max: 0.7600	Min: 0.0000 Avg: 0.0127 Max: 0.7670

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.