



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

July 2020

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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 – July 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
16/07/2020	SB16400W	7.6	7.2	8	No
16/07/2020	SB17600W	7	9.7	8	No
16/07/2020	SB18450E	8.4	2.4	<5	No
16/07/2020	SB22850E	8.4	8.62		No
17/07/2020	SB21550E	8.3	8.17		No
17/07/2020	SB22250E	8.3	12.85		No
17/07/2020	SB24400E	8.3	17.01		No
17/07/2020	SB24300E	8.3	14.94		No
17/07/2020	SB23850E	8.4	18.49		No
17/07/2020	SB21800E	8.3	5.2		No
20/07/2020	SB23200E	8.4	7.27		No
29/07/2020	16400W	8	7.8	<5	No
29/07/2020	SB AS4-1	8	17.53	10	No
29/07/2020	SB17100W	8.1	7.21	<5	No
30/07/2020	SB16800E	8.4	3.97	<5	No
30/07/2020	SB23200E	7.9	18.6	6	No
31/07/2020	SB24400W	7.1	4.96	<5	No
31/07/2020	SB23850E	7.8	15.3	<5	No

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
31/07/2020	SB22850E	8	7.27	<5	No
31/07/2020	SB24300E	7.1	2.41	<5	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – July 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	23/07/2020	56	No construction noises audible at time of monitoring.
3	L2 - 78 Jarrah Way, Albion Park Rail	21/07/2020	59	Construction noises audible: Hammer (48-55), Dozer (48-54) and Squawker (46-48)
4	L3 - 17 Gumnut Street, Albion Park Rail	21/07/2020	61	Street sweeper (51-73) most dominant construction noise source during monitoring. Other noise sources dogs barking (50-57), airplanes (48-56) and builder in a neighbouring house (53-56)
5	L4 - 152 Croome Road, Albion Park	21/07/2020	68	No construction noises audible at time of monitoring. Most dominant noise source traffic on Croome Rd (50-81).
6	L5 - 59 Burdekin Drive, Albion Park	23/07/2020	63	No construction noises audible at time of monitoring. Most dominant noise source traffic on Burdekin Dr (53-77).
7	L6 - 25 Fraser Crescent, Albion Park	23/07/2020	52	No construction noises audible at time of monitoring. Most dominant noise source birds (42-53) and airplanes (52-68).
8	L7 - 52 Tongarra Road, Albion Park	23/07/2020	76	No construction noises audible at time of monitoring. Most dominant noise source traffic on Croome Rd (60-88)
9	L8 - 24 Terry Street, Albion Park	23/07/2020	73	No construction noises audible at time of monitoring. Most dominant noise source traffic on Terry St (55-81)
10	L9 - 42 Larkins Lane, Yallah	24/07/2020	53	Cut 1 SMZ and drainage blanket placement. 2x graders 4x truck and dogs on turnaround (only 1 circuit recorded) 50-56dB. Tail slap register at 67dB. Highway traffic (48-52dB)
11	L10 - 4 Semillon Place, Mount Brown	23/07/2020	57	No construction audible at time of monitoring. Traffic along Princes HWY (52-63) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – July 2020

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	0.8	0.5	1.3
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.8	0.3	1.1

Table 4 Continuous Monitoring results – July 2020

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: 0.00099 Avg: 0.00794 Max: 0.02045	Min: 0.00110 Avg: 0.00846 Max: 0.02157	Min: 0.00112 Avg: 0.00849 Max: 0.02162
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00165 Avg: 0.00823 Max: 0.03102	Min: 0.00187 Avg: 0.00998 Max: 0.03114	Min: 0.00187 Avg: 0.01003 Max: 0.03317

Note: 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.