



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

February 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.

RMS 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 – February 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
3/02/2020	SB22850E	7.3	15.74	15	No
4/02/2020	SB21150W	7.1	14.39	16	No
4/02/2020	SB17600E	7.8	9.88	5	No
4/02/2020	SB16400W	6.7	6.51	8	No
11/02/2020	SB16800W	7.4	7.4	12	No
11/02/2020	SBAS4	7.7	8.1	17	No
12/02/2020	SB17600E	8.2	5.4	9	No
12/02/2020	SB25450W	7.9	8.8	<5	No
14/02/2020	SB23200E	7.4	12.7	10	No
14/02/2020	SB25450W	8.3	4.2	<5	No
14/02/2020	SB22700W	7.9	12.2	7.9	No
15/02/2020	SB21950E	7.6	4.6	8	No
15/02/2020	SB22700W	7.3	10.6	15	No



Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
15/02/2020	SB21050W	7.6	7.5	20	No
18/02/2020	SB25450W	7.4	8.6	6	No
18/02/2020	SB22200W	7.9	16.5	19	No
18/02/2020	SB21300E	7.2	7.1	17	No
18/02/2020	SB23850E	7.7	11.1	9	No
19/02/2020	SB21550E	7.5	19.4	12	No
19/02/2020	SB23200E	7.54	7.8	10	No
20/02/2020	SB18800W	8.3	11.53	8	No
20/02/2020	SB17600E	7.4	9.44	<5	No
20/02/2020	SB17100W	7.7	8.3	11	No
21/02/2020	SB21800E	8.1	13.17	<5	No
22/02/2020	SB17600E	7.8	4.92	5	No
22/02/2020	SB21800E	7.8	14.03	16	No
22/02/2020	SB17100W	8.3	8.11	6	No
22/02/2020	SB16400W	8.4	10.37	10	No
24/02/2020	SB21800E	8.1	13.17	16	No
24/02/2020	SB18520E	7.9	9.85	7	No
24/02/2020	SB17600E	7.5	8.1	5	No
26/02/2020	SB24650W	8.3	9.95	24	No
26/02/2020	SB18800W	8.4	9.84	16	No
28/02/2020	SB18450E	6.9	18.6	17.8	No
28/02/2020	SB18800W	6.8	12.93	11.2	No



3. Noise Monitoring Results

Table 2 Noise monitoring results – February 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	20/02/2020	59	No construction audible at time of monitoring. Princes Hwy (52-69) and someone mowing the lawn (55-60) most dominant noise sources.
3	L2 - 78 Jarrah Way, Albion Park Rail	26/02/2020	52	Surface miner most dominant noise source (48-51) traffic on East West link (50-61) and airplanes (53-65) also causing spikes.
4	L3 - 17 Gumnut Street, Albion Park Rail	20/02/2020	63	Scrapers (56-70) and roller (52-55) construction noise audible.
5	L4 - 152 Croome Road, Albion Park	20/02/2020	69	No construction audible at time of monitoring. Croome Rd (50-76) traffic, birds (50-54) and airplanes (52-67) most dominant noise sources.
6	L5 - 59 Burdekin Drive, Albion Park	26/02/2020	56	Traffic along Burdekin Dr (50-76) most dominant noise source. No construction noise audible.
7	L6 - 25 Fraser Crescent, Albion Park	26/02/2020	50	Squawker (48-52) only construction noise audible. Birds most dominant noise source (53-62)
8	L7 - 52 Tongarra Road, Albion Park	20/02/2020	72	Excavator bucket (46-47) only construction noise audible. Traffic on Tongarra Rd most dominant noise (51-84)
9	L8 - 24 Terry Street, Albion Park	27/02/2020	72	Most dominant noise source Traffic on Terry St (50-85) Airplanes (55-62). Construction inaudible.
10	L9 - 42 Larkins Lane, Yallah	17/02/2020	65	Construction noise dominant noise source. D11 by itself 59-69 pushing rock 53-59 reversing, D11 with hammer 60-70. Hammer running for 10sec bursts recorded 15 times
11	L10 - 4 Semillon Place, Mount Brown	27/02/2020	57	No construction audible at time of monitoring.



4. Air Monitoring Results

Table 3 Composite Monitoring results – February 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	No result	No result	No result
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	4.4	0.7	5.1

Note: DMG1 sample bottle broke during the reporting period and no result recorded.

Table 4 Continuous Monitoring results – February 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: 0.00417 Avg: 0.01299 Max: 0.04384	Min: 0.00525 Avg: 0.01495 Max: 0.04573	Min: 0.00527 Avg: 0.01502 Max: 0.0458
15	RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail	Min: 0.00448 Avg: 0.01217 Max: 0.04225	Min: 0.00527 Avg: 0.01499 Max: 0.044	Min: 0.00531 Avg: 0.01505 Max: 0.04406

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.