



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

March 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 – March 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
9/03/2020	SB22700W	8.4	4.5	<5	No
9/03/2020	SB24650W	8.2	19.5	17	No
9/03/2020	SB25450W	7.7	12.24	7	No
9/03/2020	SB16400W	8.3	14.9	13	No
10/03/2020	SB21550E	8.4	10.57	10	No
10/03/2020	SB21550E	8.3	12.51	14	No
10/03/2020	SB21100W	7.6	15.06	21	No
11/03/2020	SB17600E	7.7	11.79	8	No
11/03/2020	SB23200E	8	7.81	6	No
12/03/2020	SB19600W	7.6	3.86	5	No
12/03/2020	SB25450W	8.2	17.55	13	No
12/03/2020	SB24650W	8.4	15.43	25	No
13/03/2020	SB18800W	7.6	13.55	20	No
16/03/2020	SB21000W	7.5	11.99	17	No

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
20/03/2020	SB21000W	8.1	10.21	18	No
23/03/2020	SB19500W	7.8	19.5	22	No
25/03/2020	SB22250E	7.8	13.54	13	No
26/03/2020	SB19500W	7.9	19.6	21	No
30/03/2020	SB16400W	8.3	7.4	8	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – March 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	27/03/2020	51	No construction noise audible at time of monitoring.
3	L2 - 78 Jarrah Way, Albion Park Rail	19/03/2020	59	Surface miner (48-52) most dominant construction noise, excavator (52-54) on and off for 3mins, count 2.
4	L3 - 17 Gumnut Street, Albion Park Rail	19/03/2020	45	Scrapers (48-56) most dominant construction noise for 1min, count 6.
5	L4 - 152 Croome Road, Albion Park	19/03/2020	68	No construction audible at time of monitoring. Croome Rd traffic (49-84), birds (46-51) and airplanes (54-69) most dominant noise sources.
6	L5 - 59 Burdekin Drive, Albion Park	19/03/2020	57	No construction audible at time of monitoring. Traffic along Burdekin Dr (50-75) most dominant noise source.
7	L6 - 25 Fraser Crescent, Albion Park	19/03/2020	48	D9 dozer (52-54) most dominant noise source. Squawkers also audible (47-48) on 7 occasions lasting no more than 25s.
8	L7 - 52 Tongarra Road, Albion Park	28/03/2020	70	No construction noise audible during noise monitoring. Traffic along Tongarra Rd (55-85) most dominant noise source.
9	L8 - 24 Terry Street, Albion Park	28/03/2020	71	Roller (49-51) only construction work audible. Traffic on the Illawarra Hwy (55-88) most dominant source of noise.

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
10	L9 - 42 Larkins Lane, Yallah	27/03/2020	60	Excavator hammering in cut (5sec bursts, count 10) 56-65, excavator sifting rock 53-55, drainage work on fill 4 50-51
11	L10 - 4 Semillon Place, Mount Brown	27/03/2020	58	No construction audible at time of monitoring.

4. Air Monitoring Results

Table 3 Composite Monitoring results – March 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	1.0	0.5	1.5
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	1.0	0.5	1.5

Table 4 Continuous Monitoring results – March 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: 0.00313 Avg: 0.00726 Max: 0.0136	Min: 0.00365 Avg: 0.00881 Max: 0.01725	Min: 0.00365 Avg: 0.00886 Max: 0.01739
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00334 Avg: 0.00902 Max: 0.02499	Min: 0.00385 Avg: 0.01122 Max: 0.02999	Min: 0.00387 Avg: 0.01129 Max: 0.03025

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.