



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

September 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 – September 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
1/09/2020	SB19700W	8.1	6.48	10	No
2/09/2020	SB23850E	8.3	11.11	17	No
7/09/2020	SB21000W	7.7	6.01	<5	No
10/09/2020	SB18450E	8.2	6.58	6	No
11/09/2020	SB24400E	7.6	6.13	10	No
11/09/2020	SB24300E	7.6	7.23	16	No
11/09/2020	SB18450E	8.3	3.57	13	No
14/09/2020	SB23200E	7.8	6.88	10	No
22/09/2020	SB18800W	7.9	17.69	19	No
22/09/2020	SB23150E	7.6	7.18	21	No
23/09/2020	SB22485E	8.3	13.16	21	No
23/09/2020	SB25500W	8.3	14.54	21	No
28/09/2020	SB23850E	8.2	16.21		No
28/09/2020	SB24650W	7.9	13.76		No



3. Noise Monitoring Results

Table 2 Noise monitoring results – September 2020

EPA ID#	LOCATION	Date	L(A)eq(15min)	Comments
2	L1 - 20 Westwood Drive, Blackbutt	17/09/2020	51	No construction noises audible at time of monitoring. Most dominant noise sources: birds (38-47) and traffic (42-52)
3	L2 - 78 Jarrah Way, Albion Park Rail	17/09/2020	44	No construction noises audible at time of monitoring. Most dominant noise sources: birds (44-49 and traffic (47-54)
4	L3 - 17 Gumnut Street, Albion Park Rail	16/09/2020	56	Construction noises audible: Long Reach Excavator (50-73) and Crew Truck (56-66)
5	L4 - 152 Croome Road, Albion Park	15/09/2020	69	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (48-82)
6	L5 - 59 Burdekin Drive, Albion Park	16/09/2020	59	No construction noises audible at time of monitoring. Most dominant noise source traffic on Burdekin Dr (50-76).
7	L6 - 25 Fraser Crescent, Albion Park	17/09/2020	53	No construction noises audible at time of monitoring. Most dominant noise source was a traffic (44-51) and birds (40-51). Squawker (38-41) was the only construction noise audible.
8	L7 - 52 Tongarra Road, Albion Park	15/09/2020	74	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (50-84)
9	L8 - 24 Terry Street, Albion Park	16/09/2020	71	Construction noises audible: Excavator (46-55). Most dominant noise source: Traffic on Terry St (53-84)
10	L9 - 42 Larkins Lane, Yallah	29/09/2020	60	Construction noises audible: Dozer (52-54). Most dominant noise source: Traffic on Princes HWY (52-59)
11	L10 - 4 Semillon Place, Mount Brown	18/09/2020	61	No construction audible at time of monitoring. Traffic along Princes HWY (55-69) most dominant noise source.



4. Air Monitoring Results

Table 3 Composite Monitoring results – September 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	0.5	0.3	0.8
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.7	0.2	0.9

Table 4 Continuous Monitoring results – September 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: 0.00145 Avg: 0.00859 Max: 0.01812	Min: 0.00186 Avg: 0.00964 Max: 0.01978	Min: 0.00195 Avg: 0.00970 Max: 0.01985
15	RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail	Min: 0.00067* Avg: 0.0103* Max: 0.0244*	Min: 0.00128* Avg: 0.01266* Max: 0.03113*	Min: 0.00131* Avg: 0.01278* Max: 0.0313*

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.
2. * - Monitor sent for repairs and calibration from 25th September 2020