



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

February 2021



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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 – February 2021

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
2/02/2021	SB25560E	7.9	20.4	18	No
3/02/2021	SB16400W	7.4	9.53	17	No
3/02/2021	SB17600E	7.8	23.3	24	No
3/02/2021	SB24400E	8.1	27.3		No
3/02/2021	SB24650W	8.2	20.3	23	No
3/02/2021	SB17100W	8.0	24.3		No
3/02/2021	SBAS4	7.8	19.7	13	No
4/02/2021	SB16400W	7.5	9.45	17	No
4/02/2021	SB25500W	8.3	13.6	23	No
4/02/2021	SB22485E	7.9	19.9	16	No
4/02/2021	SB22650E	8.2	20.6	17	No
4/02/2021	SB24300E	8.1	14.93	23	No
4/02/2021	SB18520E	8.5	22.5		No
5/02/2021	SB23850E	8.5	7.45	8	No
5/02/2021	SB23200E	8.1	31	12	No
8/02/2021	SB25560E	7.4	7.51		No
8/02/2021	SB18800W	8.0	11.54	11	No
9/02/2021	SB24650W	8.1	3.21		No
19/02/2021	SB18800W	7.5	14.12	11	No
22/02/2021	SB24300E	8.3	9.66		No
22/02/2021	SB23200E	8.1	12.42	9	No
22/02/2021	SB23850E	8.1	22.3	11	No
22/02/2021	SB18520E	8.4	12.37	9	No



Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
22/02/2021	SB24400E	8.4	16.14	12	No
23/02/2021	SB23150E	8.3	17.8	19	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – February 2021

EPA ID#	LOCATION	Date	L(A)eq(15min)	Comments
2	L1 - 20 Westwood Drive, Blackbutt	24/02/2021	58	No construction noises audible at time of monitoring. Most dominant noise sources: traffic (51-78) and power tools in nearby house (52-64)
3	L2 - 78 Jarrah Way, Albion Park Rail	24/02/2021	47	Construction noises audible: Hammering (50-53), Squawker (47-48) and Excavator (47-51). Most dominant noise: Hammers (50-53) and Insects (47-50)
4	L3 - 17 Gumnut Street, Albion Park Rail	24/02/2021	48	No construction noise audible. Most dominant noise sources birds (38-45) and traffic (42-60)
5	L4 - 152 Croome Road, Albion Park	24/02/2021	71	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (53-83)
6	L5 - 59 Burdekin Drive, Albion Park	24/02/2021	63	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (50-80) and Birds (54-65)
7	L6 - 25 Fraser Crescent, Albion Park	24/02/2021	49	No construction at time of monitoring. Most dominant noise source: Birds (38-66)
8	L7 - 52 Tongarra Road, Albion Park	24/02/2021	74	Construction audible at time of monitoring: 20T excavator doing drainage works along Tongarra Rd (48-54), Squawker (51-53) Most dominant noise source: Traffic on Tongarra Rd (50-84)
9	L8 - 24 Terry Street, Albion Park	24/02/2021	72	No construction audible at time of monitoring. Most dominant noise source: Traffic on Terry St (48-85) and Birds (43-54)
10	L9 - 42 Larkins Lane, Yallah	24/02/2021	62	Construction noise audible: 12 tonne excavator tracking on main alignment (50-68) and an LV (42-49). Most dominant noise sources: Princes HWY (53-56) and cicadas (48-53)



EPA ID#	LOCATION	Date	L(A)eq(15min)	Comments
11	L10 - 4 Semillon Place, Mount Brown	24/02/2021	60	No construction audible at time of monitoring. Traffic along Princes HWY (58-66) and birds (42-51) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – February 2021

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	1.4	2.4
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	NR	NR	NR

NR - DMG Control was vandalised/damaged during the reporting period therefore no result has been recorded for the month

Table 4 Continuous Monitoring results – February 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: 0.0001 Avg: 0.0006 Max: 0.0017	Min: 0.0001 Avg: 0.0006 Max: 0.0018	Min: 0.0001 Avg: 0.0006 Max: 0.0018
15	RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail	Min: 0.0044 Avg: 0.0094 Max: 0.0169	Min: 0.0051 Avg: 0.0108 Max: 0.0182	Min: 0.0052 Avg: 0.0108 Max: 0.0182

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.