



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

December 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 – December 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
17/12/2020	SB16400W	8.2	11.7		No
17/12/2020	SB23850E	7.9	20.7		No
17/12/2020	SB22650E	8.1	7.14		No
17/12/2020	SB22485E	8.1	9.6		No
17/12/2020	SB24400E	8.4	9.42		No
18/12/2020	SB24300E	8.0	17.36		No

3. Noise Monitoring Results

Table 2 Noise monitoring results – December 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	10/12/2020	55	No construction noises audible at time of monitoring. Most dominant noise sources: birds (35-42) and traffic (42-56)
3	L2 - 78 Jarrah Way, Albion Park Rail	10/12/2020	57	Construction noises audible: Hammering (50-59) and 5T Excavator (49-52)
4	L3 - 17 Gumnut Street, Albion Park Rail	10/12/2020	50	Construction noises audible: sweeper (52-60) and squawker (53-55)
5	L4 - 152 Croome Road, Albion Park	10/12/2020	72	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (48-85)
6	L5 - 59 Burdekin Drive, Albion Park	10/12/2020	58	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (50-80)
7	L6 - 25 Fraser Crescent, Albion Park	10/12/2020	50	No construction at time of monitoring. Most dominant noise source: Traffic on Frasers Cr (50-68)
8	L7 - 52 Tongarra Road, Albion Park	10/12/2020	73	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (51-85)
9	L8 - 24 Terry Street, Albion Park	10/12/2020	76	No construction audible at time of monitoring. Most dominant noise source: Traffic on Terry St (55-89)
10	L9 - 42 Larkins Lane, Yallah	10/12/2020	60	Construction noise audible: 5 tonne excavator (52-60) and squawker (52-54).
11	L10 - 4 Semillon Place, Mount Brown	10/12/2020	58	No construction audible at time of monitoring. Traffic along Princes HWY (54-69) and insects (60-68) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – December 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	1.1	2.1
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	1.5	0.6	2.1

Table 4 Continuous Monitoring results – December 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: 0.0001 Avg: 0.0022 Max: 0.0104	Min: 0.0002 Avg: 0.0023 Max: 0.0105	Min: 0.0002 Avg: 0.0023 Max: 0.0105
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0022 Avg: 0.0102 Max: 0.0256	Min: 0.0026 Avg: 0.0109 Max: 0.0268	Min: 0.0026 Avg: 0.0115 Max: 0.0269

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.