



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

October 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 – October 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
7/10/2020	SB17100W	7.8	18.8	24	No
20/10/2020	SB22485E	8.3	11.86	7	No
21/10/2020	SB16400W	8.2	15.55	18	No
21/10/2020	SB18450E	8.3	9.06	11	No
27/10/2020	SB25500W	8.0	4.38		No
27/10/2020	SB17600E	8.3	11.45		No
30/10/2020	SB24400E	8.0	30.9		No
30/10/2020	SB25450W	8.3	6.42		No



3. Noise Monitoring Results

Table 2 Noise monitoring results – October 2020

EPA ID#	LOCATION	Date	L(A)eq(15min)	Comments
2	L1 - 20 Westwood Drive, Blackbutt	12/10/2020	58	No construction noises audible at time of monitoring. Most dominant noise sources: birds (39-45) and traffic (43-54)
3	L2 - 78 Jarrah Way, Albion Park Rail	12/10/2020	55	Construction noises audible: Hammer (49-54), and Squawker (48-50)
4	L3 - 17 Gumnut Street, Albion Park Rail	12/10/2020	55	No construction noises audible at time of monitoring. Dogs barking (48-58) and traffic (51-64) most dominant noise sources
5	L4 - 152 Croome Road, Albion Park	12/10/2020	54	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (50-89)
6	L5 - 59 Burdekin Drive, Albion Park	12/10/2020	45	No construction noises audible at time of monitoring. Most dominant noise source traffic on Burdekin Dr (46-77).
7	L6 - 25 Fraser Crescent, Albion Park	12/10/2020	45	No construction noises audible at time of monitoring. Most dominant noise source was a traffic (43-53) and birds (40-49).
8	L7 - 52 Tongarra Road, Albion Park	12/10/2020	62	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (52-87)
9	L8 - 24 Terry Street, Albion Park	12/10/2020	62	No construction audible. Most dominant noise source Traffic on Terry St (55-88)
10	L9 - 42 Larkins Lane, Yallah	12/10/2020	62	Construction noise audible: squaker (49-53)
11	L10 - 4 Semillon Place, Mount Brown	12/10/2020	57	No construction audible at time of monitoring. Traffic along Princes HWY (52-68) most dominant noise source.



4. Air Monitoring Results

Table 3 Composite Monitoring results – October 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	0.9	0.8	1.7
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.9	0.6	1.5

Table 4 Continuous Monitoring results – October 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: 0.00180 [^] Avg: 0.00988 [^] Max: 0.02405 [^]	Min: 0.00234 [^] Avg: 0.01089 [^] Max: 0.02540 [^]	Min: 0.00240 [^] Avg: 0.01094 [^] Max: 0.02544 [^]
15	RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail	Min: 0.00409* Avg: 0.00995* Max: 0.0234*	Min: 0.00441* Avg: 0.0116* Max: 0.02857*	Min: 0.00443* Avg: 0.01165* Max: 0.02867*

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 received back from calibration on 14th October 2020
3. ^ - Monitor sent for calibration from 15th October 2020