



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

June 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 – June 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
1/06/2020	SB21300E	8.2	3.76		No
2/06/2020	SB18800W	8.1	9.74		No
11/06/2020	SB24800E	8.5	6.25	<5	No
12/06/2020	SB22850E	8.5	6.67	<5	No
12/06/2020	SB21500W	7.5	11.75	6	No
15/06/2020	SB17100W	8.1	8.9		No
16/06/2020	SB17100W	8.4	10.2		No
16/06/2020	SB22850E	8.3	6.46		No
17/06/2020	SB AS4-1	8.3	8.77		No
17/06/2020	SB23850E	8.4	8.8		No
18/06/2020	SB21550E	8.4	7.59		No
18/06/2020	SB18800W	8.5	6.47	<5	No
18/06/2020	SB17600E	8.4	8.93		No
19/06/2020	SB17600E	8.1	9.74		No
19/06/2020	SB18450E	8.4	6.36		No
26/06/2020	SB17600E	8.5	14.13	10	No
26/06/2020	SB22250E	8.4	6.73	<5	No
26/06/2020	SB23200E	8.5	9.67	<5	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – June 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	26/06/2020	56	No construction noises audible at time of monitoring.
3	L2 - 78 Jarrah Way, Albion Park Rail	26/06/2020	59	Construction noises audible: Scrapers (53-66) and Squawker (55-56) working on noise wall construction. Other dominant noise sources: Traffic (48-53) and airplanes (57-63)
4	L3 - 17 Gumnut Street, Albion Park Rail	25/06/2020	59	Construction noises audible: Moxie (54-60) Squawker (57-61) Padfoot (54-55) working on noise wall construction/repairs.
5	L4 - 152 Croome Road, Albion Park	26/06/2020	69	No construction noises audible at time of monitoring. Most dominant noise source traffic on Croome Rd (48-83).
6	L5 - 59 Burdekin Drive, Albion Park	26/06/2020	58	No construction noises audible at time of monitoring. Most dominant noise source traffic on Burdekin Dr (46-79).
7	L6 - 25 Fraser Crescent, Albion Park	26/06/2020	42	No construction noises audible at time of monitoring. Most dominant noise source birds (44-50).
8	L7 - 52 Tongarra Road, Albion Park	25/06/2020	75	No construction noise audible during noise monitoring. Traffic along Tongarra Rd (52-83) most dominant noise source. Truck and Dogs (78-85) registered as the loudest source during monitoring.
9	L8 - 24 Terry Street, Albion Park	25/06/2020	75	Most dominant noise source Traffic on Terry St (51-83) Flock of galahs (52-86). Construction inaudible.
10	L9 - 42 Larkins Lane, Yallah	10/06/2020	52	4 x excavators in cut excavating and backfilling (50-62). Truck and dogs tipping off bedding (49-66). Grader trimming centre median (49-53dB(A))

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
11	L10 - 4 Semillon Place, Mount Brown	25/06/2020	59	No construction audible at time of monitoring. Traffic along Princes HWY (55-66) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – June 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	0.6	0.3	0.9
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.6	0.1	0.7

Table 4 Continuous Monitoring results – June 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: 0.00204 Avg: 0.00872 Max: 0.01975	Min: 0.00235 Avg: 0.00924 Max: 0.02028	Min: 0.00237 Avg: 0.00927 Max: 0.02029
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00014 Avg: 0.00768 Max: 0.03137	Min: 0.00044 Avg: 0.00878 Max: 0.03137	Min: 0.00049 Avg: 0.00882 Max: 0.03203

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.