



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

May 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 – May 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
4/05/2020	SB23200E	8.4	24.4	20	No
5/04/2020	SB21550E	8.2	21.2	24	No
25/05/2020	SB18450E	8.4	17.25		No
26/05/2020	SB17100W	8.2	7.47		No
26/05/2020	SB16400W	8.2	18.52		No
26/05/2020	SB17600E	8.2	13.26		No
26/05/2020	SB22850E	8.3	16.49		No
26/05/2020	SB24300E	7.9	7.43		No
27/05/2020	SB23200E	8.3	6.74		No
27/05/2020	SB22850E	8.4	12.54		No
27/05/2020	SB24350E	8.5	18.02	7	No
28/05/2020	SB24650W	8.3	14.84		No
28/05/2020	SB18450E	8.4	9.89	8	No
29/05/2020	SB21550E	8.2	2.82		No

3. Noise Monitoring Results

Table 2 Noise monitoring results – May 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	26/05/2020	57	No construction audible at time of monitoring. Traffic along Princes HWY (55-70) most dominant noise source.
3	L2 - 78 Jarrah Way, Albion Park Rail	27/05/2020	62	Construction noises audible: Dozer (58-65) Scraper (64-67) Hammer (55-57) and Squawker (52-53) working on Noise wall construction.
4	L3 - 17 Gumnut Street, Albion Park Rail	27/05/2020	52	Construction noises audible: 4 inch pump (52-53) concrete pump at bridge 12 (50-51).
5	L4 - 152 Croome Road, Albion Park	27/05/2020	71	No construction audible at time of monitoring. Traffic along Croome Rd (49-84) most dominant noise source.
6	L5 - 59 Burdekin Drive, Albion Park	27/05/2020	58	No construction audible at time of monitoring. Traffic along Burdekin Dr (58-76) most dominant noise source.
7	L6 - 25 Fraser Crescent, Albion Park	27/05/2020	57	Construction noises audible at time of monitoring was squawker (48-49) most dominant noise source was ride on mower (66-72).
8	L7 - 52 Tongarra Road, Albion Park	27/05/2020	74	No construction noise audible during noise monitoring. Traffic along Tongarra Rd (50-83) and Council footpath works (50-74) most dominant noise source.
9	L8 - 24 Terry Street, Albion Park	27/05/2020	73	Most dominant noise source Traffic on Terry St (50-85) Airplanes (55-62). Construction inaudible.
10	L9 - 42 Larkins Lane, Yallah	26/05/2020	59	Bulk earthworks in cut 1. Surface miner on southbound lanes (54-57)dB(A). Front loader loading trucks 54-58 working
11	L10 - 4 Semillon Place, Mount Brown	26/05/2020	62	No construction audible at time of monitoring. Traffic along Princes HWY (54-77) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – May 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	0.7	0.3	1.0
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.9	0.6	1.5

Table 4 Continuous Monitoring results – May 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: 0.00141 Avg: 0.00573 Max: 0.01748	Min: 0.00176 Avg: 0.00647 Max: 0.01956	Min: 0.00178 Avg: 0.00634 Max: 0.01965
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00072 Avg: 0.00731 Max: 0.0246	Min: 0.00086 Avg: 0.0089 Max: 0.03014	Min: 0.00088 Avg: 0.00909 Max: 0.03028

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.