



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

April 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 – April 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
2/04/2020	SB16400W	6.9	15.87	7	No
2/04/2020	SB AS4-1	8.1	27.6	22	No
3/04/2020	SB16800E	7.9	20.6	11	No
3/04/2020	SB18520E	8	23.4	27	No
6/04/2020	SB23200E	8.3	14.49	14	No
6/04/2020	SB23850E	7.4	20.3	15	No
6/04/2020	SB24650W	8.3	21.3	12	No
6/04/2020	SB24800E	8	3.6	<5	No
6/04/2020	SB25450W	8.1	5.33	6	No
7/04/2020	SB17600E	8.2	9.15	10	No
7/04/2020	SB21550E	7.6	6.05	<5	No
9/04/2020	SB16800W	8.4	13.08	7	No
9/04/2020	SB22850E	8.1	5.78	<5	No
9/04/2020	SB23200E	8.4	16.38	5	No
9/04/2020	SB17100W	8.2	12	<5	No
16/04/2020	SB23200E	8.1	13.92	26	No
20/04/2020	SB25450W	8	10.43	26	No
22/04/2020	SB24650W	8.2	14.14	17	No

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
22/04/2020	SB21550E	7.7	12.72	26	No
22/04/2020	SB23200E	8.3	22.7	24	No
24/02/2020	SB18800W	8.3	5.28	<5	No
24/04/2020	SB23200E	8.4	15.59	9	No
24/04/2020	SB24400E	8	7.62	<5	No
27/04/2020	SB21550E	8.3	7.42	16	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – April 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	27/04/2020	56	No construction audible at time of monitoring.
3	L2 - 78 Jarrah Way, Albion Park Rail	27/04/2020	53.2	Hammering (50-53) surface miners (48-51) squawker (47-49) construction noises audible.
4	L3 - 17 Gumnut Street, Albion Park Rail	23/04/2020	54	3 inch pump (50-51) Excavator tracking (50-54) Squawker (49-51) Scrapers (46-49)
5	L4 - 152 Croome Road, Albion Park	23/04/2020	68	Squawker (48-49) structures working on bridge 12 (47-50)
6	L5 - 59 Burdekin Drive, Albion Park	28/04/2020	56	No construction audible at time of monitoring. Traffic along Burdekin Dr (52-78) most dominant noise source.
7	L6 - 25 Fraser Crescent, Albion Park	28/04/2020	49	Squawker (46-48) Excavator (48-50) construction noise audible at time of monitoring.
8	L7 - 52 Tongarra Road, Albion Park	23/04/2020	74	Excavator (52-53) on and off throughout recording.
9	L8 - 24 Terry Street, Albion Park	27/04/2020	75	5T excavator (50-62) only construction work audible. Traffic on the Illawarra Hwy (60-93) most dominant source of noise.

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
10	L9 - 42 Larkins Lane, Yallah	28/04/2020	62	Bulk earthworks in cut 1. Surface miner on northbound lanes worked for 3 mins (63-66) tracking (60-63). Excavator trimming batters (58-62), Front loader loading trucks 58-64 working, 68-74 when tipping into truck. Tipped 5 times in 15mins
11	L10 - 4 Semillon Place, Mount Brown	28/04/2020	56	No construction audible at time of monitoring.

4. Air Monitoring Results

Table 3 Composite Monitoring results – April 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	1.0	1.6
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.7	0.5	1.2

Table 4 Continuous Monitoring results – April 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: 0.00231 Avg: 0.00969 Max: 0.02677	Min: 0.00288 Avg: 0.01114 Max: 0.02973	Min: 0.00292 Avg: 0.01123 Max: 0.02989
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00276 Avg: 0.01096 Max: 0.03515	Min: 0.00305 Avg: 0.01306 Max: 0.04687	Min: 0.00308 Avg: 0.01314 Max: 0.04716

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.