



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

November 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 – November 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
2/11/2020	SB25500W	7.8	16.91		No
2/11/2020	SB16400W	8.0	9.55	<5	No
2/11/2020	SB25450W	8.0	10.92	5	No
3/11/2020	SB23150E	7.7	10.37		No
3/11/2020	SB24400E	7.7	22.9	5	No
3/11/2020	SB24800E	7.8	19.8	11	No
3/11/2020	SB25500W	7.8	17.8	6	No
4/11/2020	SB23200E	7.8	19.1	10	No
4/11/2020	SB22250E	8.0	4.53		No
4/11/2020	SB25500W	7.9	4.75		No
4/11/2020	SB24300E	7.7	6.09		No
4/11/2020	SB18520E	8.3	19.1	18	No
5/11/2020	SB24800E	8.2	25.8	20	No
6/11/2020	SB25500W	8.0	13.02	9	No
6/11/2020	SB24650W	7.9	29.2		No
6/11/2020	SB16400W	8.3	6.8	10	No
7/11/2020	SB18520E	8.3	12.45	26	No
7/11/2020	SB25500W	7.9	7.19	18	No

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
7/11/2020	SB24800E	7.9	8.1	16	No
7/11/2020	SBAS4	7.2	16.7	23	No
7/11/2020	SB17100W	7.3	18.87	26	No
9/11/2020	SB22650E	8.2	14.12	20	No
9/11/2020	SB21000E	7.3	3.87	<5	No
9/11/2020	SB17800E	7.8	18.7		No
10/11/2020	SB23400E	7.9	9.2	12	No
10/11/2020	SB23850E	7.9	22	22	No
10/11/2020	SB18800W	8.4	8.36		No
11/11/2020	SB17600E	7.7	24.2		No
11/11/2020	SB23200E	8.4	12.13		No

3. Noise Monitoring Results

Table 2 Noise monitoring results – November 2020

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	11/11/2020	56	Construction noise audible; hammering (46-52). Most dominant noise source; Traffic (44-74)
3	L2 - 78 Jarrah Way, Albion Park Rail	11/11/2020	59	Construction noises audible: Hammering (54-63) and squawker (50-53)
4	L3 - 17 Gumnut Street, Albion Park Rail	11/11/2020	52	Construction noises audible: 4 inch pump (48-50) and HydroMulcher filling up water (49-54)
5	L4 - 152 Croome Road, Albion Park	12/11/2020	72	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (50-81)
6	L5 - 59 Burdekin Drive, Albion Park	11/11/2020	59	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (56-80)
7	L6 - 25 Fraser Crescent, Albion Park	11/11/2020	51	No construction at time of monitoring. Most dominant noise source: Traffic on Frasers Cr (52-60)
8	L7 - 52 Tongarra Road, Albion Park	11/11/2020	74	No construction audible at time of monitoring. Most dominant noise source: Traffic on Tongarra Rd (52-85)
9	L8 - 24 Terry Street, Albion Park	13/11/2020	74	Construction noise audible: Trencher (50-53). Most dominant noise source: Traffic on Terry St (53-86)
10	L9 - 42 Larkins Lane, Yallah	13/11/2020	63	Construction noise audible: 5 tonne excavator hammering (55-66).
11	L10 - 4 Semillon Place, Mount Brown	27/11/2020	71	No construction audible at time of monitoring. Traffic along Princes HWY (53-76) and insects (63-69) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – November 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	2.0	0.5	2.5
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.8	0.2	1.0

Table 4 Continuous Monitoring results – November 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: 0.00657* Avg: 0.05638* Max: 0.6772*	Min: 0.00739* Avg: 0.05771* Max: 0.67822*	Min: 0.00743* Avg: 0.05779* Max: 0.67839*
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.00419 Avg: 0.0117 Max: 0.0249	Min: 0.00466 Avg: 0.0135 Max: 0.026	Min: 0.00468 Avg: 0.01357 Max: 0.02605

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.
- * - Monitor received back from calibration on 12th November 2020