



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

August 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 – August 2020

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
3/08/2020	SB18520E	8.4	8.42	6	No
3/08/2020	SB18450E	7.8	18.83	10	No
3/08/2020	SB17600E	7.6	22.3	14	No
3/08/2020	SB18800W	7.4	17.33	8	No
5/08/2020	SB23200E	8.4	18.7	12	No
11/08/2020	SB25450W	8.3	20.9	<5	No
12/08/2020	SB23200E	7.4	12.49	12	No
13/08/2020	SB24400E	8.4	6.26	<5	No
13/08/2020	SB17100W	7.5	5.45	8	No
13/08/2020	SB23850E	7.3	23	8	No
13/08/2020	SB24300E	8.4	4.19	6	No
13/08/2020	SB24650W	8.2	14.4	10	No
14/08/2020	SB18800E	7.8	17.3	6	No
14/08/2020	SB18520E	7.9	19.2	10	No
14/08/2020	SB23150E	7.9	16.52	<5	No
14/08/2020	SB22850E	8	5.96	5	No
15/08/2020	SBAS4	8.3	24.2	14	No
15/08/2020	SB23200E	8.2	15.21	12	No



Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
17/08/2020	SB17600E	8.2	21.4	9	No
17/08/2020	SB25500W	8.2	12.75	<5	No
17/08/2020	SB16400E	8.3	15.71	17	No
18/08/2020	SB21500W	8.3	6.42		No
19/08/2020	SB18450E	8.1	21.5	8	No
19/08/2020	SB25500W	8	19.85		No
19/08/2020	SB23150E	8.3	5.04	12	No
20/08/2020	SB22485E	8.3	17.19	10	No
20/08/2020	SB21000E	8.2	10.92	<5	No
21/08/2020	SB25500W	7.9	6.9	<5	No
21/08/2020	SB17600E	8.5	15.98	13	No
21/08/2020	SB21500W	8.2	26.3	22	No
21/08/2020	SB22850E	7.9	18.72	19	No
24/08/2020	SB24650W	8.2	7.97		No



3. Noise Monitoring Results

Table 2 Noise monitoring results – August 2020

EPA ID#	LOCATION	Date	L(A)eq(15min)	Comments
2	L1 - 20 Westwood Drive, Blackbutt	26/08/2020	52	Hammers (44-47) audible at time of monitoring. Most dominant noise source, traffic (48-60).
3	L2 - 78 Jarrah Way, Albion Park Rail	21/08/2020	51	Construction noises audible: Hammer (47-52), Moxie (49-55) and Squawker (48-50)
4	L3 - 17 Gumnut Street, Albion Park Rail	3/08/2020	49	Barrier removal (39-53) only construction noise audible. Dogs barking (48-70) most dominant noise source.
5	L4 - 152 Croome Road, Albion Park	21/08/2020	71	Tracking machine on bridge 12 (44-47) only construction noise audible. Most dominant noise is traffic on Croome Rd (52-81).
6	L5 - 59 Burdekin Drive, Albion Park	21/08/2020	62	No construction noises audible at time of monitoring. Most dominant noise source traffic on Burdekin Dr (49-80).
7	L6 - 25 Fraser Crescent, Albion Park	21/08/2020	64	No construction noises audible at time of monitoring. Most dominant noise source was a tractor slashing grass in reserve (50-78).
8	L7 - 52 Tongarra Road, Albion Park	27/08/2020	74	No construction noises audible at time of monitoring. Most dominant noise source traffic on Tongarra Rd (49-82)
9	L8 - 24 Terry Street, Albion Park	26/08/2020	73	Dozer (53-62) audible at time of monitoring. Traffic (60-87) most dominant noise source.
10	L9 - 42 Larkins Lane, Yallah	31/08/2020	56	Drainage works in Cut 1, Excavator (54-56)dBA, Grader idling inaudible. Noise from traffic on Highway dominant noise source
11	L10 - 4 Semillon Place, Mount Brown	27/08/2020	58	No construction audible at time of monitoring. Traffic along Princes HWY (54-66) most dominant noise source.



4. Air Monitoring Results

Table 3 Composite Monitoring results – August 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	1.7	1.6	3.3
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.4	0.2	2.1

Table 4 Continuous Monitoring results – August 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: 0.00083 Avg: 0.00868 Max: 0.03878	Min: 0.00108 Avg: 0.00929 Max: 0.03970	Min: 0.00113 Avg: 0.00933 Max: 0.03976
15	RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail	Min: 0.00071 Avg: 0.00799 Max: 0.03111	Min: 0.00119 Avg: 0.01003 Max: 0.03252	Min: 0.00136 Avg: 0.01011 Max: 0.0326

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.