



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

March 2021

Contents

1. Introduction	3
2. Sediment Basin Discharges	3
3. Noise Monitoring Results	3
4. Air Monitoring Results	5

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 – March 2021

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
1/03/2021	SB22650E	8.0	20.4	18	No
4/03/2021	SB23200E	7.8	9.53		No
5/03/2021	SB17100W	7.8	23.3	11	No
16/03/2021	SB22650E	7.8	27.3		No
16/03/2021	SB18800W	7.6	20.3	11	No
25/03/2021	SB25560E	8.2	24.3		No
25/03/2021	SB25500W	8.1	19.7	12	No
25/03/2021	SB24800E	8.2	9.45		No
26/03/2021	SB17600E	8.4	13.6	14	No
26/03/2021	SBAS4-1	8.3	19.9		No
26/03/2021	SB17100W	8.3	20.6		No
26/03/2021	SB23200E	8.4	14.93	13	No
29/03/2021	SBAS4-1	8.3	22.5	14	No

3. Noise Monitoring Results

Table 2 Noise monitoring results – March 2021

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	26/03/2021	57	No construction noises audible at time of monitoring. Most dominant noise sources: Traffic - Princes HWY (48-77)

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
3	L2 - 78 Jarrah Way, Albion Park Rail	29/03/2021	50	Construction noises audible: Hammering (42-45), Squawker (40-43) and Moxies (44-47). Most dominant noise: Dogs barking (51-55) and Birds (43-53)
4	L3 - 17 Gumnut Street, Albion Park Rail	29/03/2021	54	No construction noise audible. Most dominant noise sources birds (43-54) and Traffic (46-62)
5	L4 - 152 Croome Road, Albion Park	26/03/2021	70	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (50-85) and birds (48-56)
6	L5 - 59 Burdekin Drive, Albion Park	26/03/2021	61	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (48-82)
7	L6 - 25 Fraser Crescent, Albion Park	26/03/2021	50	No construction at time of monitoring. Most dominant noise source: Birds (40-68) and Traffic on nearby roads (50-71)
8	L7 - 52 Tongarra Road, Albion Park	26/03/2021	76	Construction audible at time of monitoring: 20T excavator working on bridge 10 abutments (49-51), Squawker (48-50) Most dominant noise source: Traffic on Tongarra Rd (50-88)
9	L8 - 24 Terry Street, Albion Park	29/03/2021	72	Construction noise audible: Excavator (49-51) and squawker (44-47) Most dominant noise source: Traffic on Terry St (48-88) and Birds (45-52)
10	L9 - 42 Larkins Lane, Yallah	29/03/2021	60	Construction noise audible: Asphalt crew on main alignment - north bound (48-52) and an LVx7 (40-50). Most dominant noise sources: Princes HWY (50-58) and cicadas (44-54)
11	L10 - 4 Semillon Place, Mount Brown	26/03/2021	62	No construction audible at time of monitoring. Traffic along Princes HWY (56-69) and birds (40-53) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – March 2021

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	0.4	0.6	1.0
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.9	0.5	1.4

Table 4 Continuous Monitoring results – March 2021

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: 0.0000 Avg: 0.0003 Max: 0.0020	Min: 0.0000 Avg: 0.0003 Max: 0.0020	Min: 0.0000 Avg: 0.0003 Max: 0.0020
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0037 Avg: 0.0102 Max: 0.0199	Min: 0.0046 Avg: 0.0115 Max: 0.0209	Min: 0.0047 Avg: 0.0116 Max: 0.0210

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.