



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

May 2021

Contents

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

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 2021

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
10/05/2021	SB25560E	7.6	5.1	<5	No
10/05/2021	SB25500W	8.3	13.5	6	No
11/05/2021	SB23200E	8.4	14.2	6	No
13/05/2021	SB25560E	7.6	9.0		No
13/05/2021	SB23850E	8.4	18.5	9	No
13/05/2021	SB23150E	8.2	12.7	9	No
17/5/2021	SB18520E	8.5	13.6		No

3. Noise Monitoring Results

Table 2 Noise monitoring results – May 2021

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
2	L1 - 20 Westwood Drive, Blackbutt	27/05/2021	55	No construction noise audible at time of monitoring. Most dominant noise source: Traffic - Princesw HWY (50-56)
3	L2 - 78 Jarrah Way, Albion Park Rail	27/05/2021	47	Construction noise audible at time of monitoring: Excavator on main alignment (46-49)
4	L3 - 17 Gumnut Street, Albion Park Rail	27/05/2021	55	Construction noise audible at time of monitoring: Asphalt crew (43-50)

EPA ID#	LOCATION	Date	L(A) _{eq(15min)}	Comments
5	L4 - 152 Croome Road, Albion Park	27/05/2021	70	No construction noise audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (50-85)
6	L5 - 59 Burdekin Drive, Albion Park	27/05/2021	59	No construction noise audible at time of monitoring. Most dominant noise source: Cars on Burdekin Dr (44-76) X 14
7	L6 - 25 Fraser Crescent, Albion Park	27/05/2021	48	No construction at time of monitoring. Most dominant noise source: Birds (42-49) and Traffic on nearby roads (48-66) X2
8	L7 - 52 Tongarra Road, Albion Park	27/05/2021	75	Construction noise at time of monitoring: Excavator working on Tongarra rd drainage (40-43). Most dominant noise source: Traffic on Tongarra Rd (50-88)
9	L8 - 24 Terry Street, Albion Park	27/05/2021	72	No construction noise audible at time of monitoring. Most dominant noise source: Traffic on Terry St (50-84) and Birds (35-47)
10	L9 - 42 Larkins Lane, Yallah	27/05/2021	64	No construction noise audible at time of monitoring. Most dominant noise source: Traffic on new alignment (52-74)
11	L10 - 4 Semillon Place, Mount Brown	27/05/2021	58	No construction audible at time of monitoring. Traffic along Princes HWY (52-64) and birds (42-49) most dominant noise source.

4. Air Monitoring Results

Table 3 Composite Monitoring results – May 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	6.4	0.7	6.7*
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	1.2	0.3	1.5

*Dust result has occurred from a source unrelated to the Project

Table 4 Continuous Monitoring results – May 2021

EPA ID#	Location	PM_{2.5} (mg/m³)	PM₁₀ (mg/m³)	Total Suspended particles (mg/m³)
14	RT2 – 2 Stapleton St, Albion Park	Min: 0.0000 Avg: 0.0000 Max: 0.0020	Min: 0.0000 Avg: 0.0000 Max: 0.0020	Min: 0.0000 Avg: 0.0000 Max: 0.0020
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0090 Avg: 0.0090 Max: 0.0090	Min: 0.0100 Avg: 0.0100 Max: 0.0100	Min: 0.0100 Avg: 0.0100 Max: 0.0

Note:

1. 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.