



## **Albion Park Rail Bypass**

**ENVIRONMENT PROTECTION LICENCE NO: 21139**

**POLLUTION MONITORING DATA**

**January 2021**

## Contents

1. Introduction .....	3
2. Sediment Basin Discharges .....	3
3. Noise Monitoring Results .....	4
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 – January 2021**

Date	Location	pH	NTU (Field)	Suspended Solids (mg/L)	Oil and Grease
7/01/2021	SB24400E	8.3	12.53	<5	No
7/01/2021	SB22485E	8.3	14.11	<5	No
8/01/2021	SB24300E	8.2	22.1	8	No
8/01/2021	SB23200E	8.3	15.2	16	No
8/01/2021	SB23850E	8.3	21.32	17	No
8/01/2021	SB16400W	8.4	23	13	No
8/01/2011	SB AS4	8.3	20.1	21	No
11/01/2011	SB25560E	8.1	5.64	8	No
11/01/2021	SB22650E	8.2	13.28	8	No
11/01/2021	SB22250E	7.8	10.15	7	No
11/01/2021	SB25500W	8.3	16.77	14	No
11/01/2021	SB17600E	8.2	10.34	10	No
11/01/2011	SB24400E	8.2	21.8		No
12/01/2011	SB25560E	8.3	21		No
12/01/2021	SB25500W	8.2	21.8		No
12/01/2021	SB17600E	8.2	10.34		No
13/01/2021	SB23150E	8.1	10.41	8	No
13/01/2021	SB18800W	8.2	27	8	No
14/01/2021	SB23150E	8.2	22.8		No
20/01/2021	SB23850E	8.0	14.02		No
27/01/2021	SB23850E	8.3	21		No

### 3. Noise Monitoring Results

**Table 2 Noise monitoring results – January 2021**

EPA ID#	LOCATION	Date	L(A) <sub>eq(15min)</sub>	Comments
2	L1 - 20 Westwood Drive, Blackbutt	20/01/2021	59	No construction noises audible at time of monitoring. Most dominant noise sources: dogs barking (58-65) and traffic (50-54)
3	L2 - 78 Jarrah Way, Albion Park Rail	20/01/2021	47	Construction noises audible: Hammering (44-48) and 20T Excavator (43-50)
4	L3 - 17 Gumnut Street, Albion Park Rail	20/01/2021	57	Construction noises audible: Moxies (44-55). Most dominant noise sources birds (41-50) and traffic (44-52)
5	L4 - 152 Croome Road, Albion Park	20/01/2021	68	No construction audible at time of monitoring. Most dominant noise source: Traffic on Croome Rd (44-82)
6	L5 - 59 Burdekin Drive, Albion Park	20/01/2021	60	No construction at time of monitoring. Most dominant noise source: Traffic on Burdekin Dr (46-78)
7	L6 - 25 Fraser Crescent, Albion Park	20/01/2021	50	No construction at time of monitoring. Most dominant noise source: Birds (35-56)
8	L7 - 52 Tongarra Road, Albion Park	20/01/2021	74	Construction audible at time of monitoring: Vac truck (43-51) Most dominant noise source: Traffic on Tongarra Rd (60-83)
9	L8 - 24 Terry Street, Albion Park	20/01/2021	74	No construction audible at time of monitoring. Most dominant noise source: Traffic on Terry St (45-91) and Cicadas (50-66)
10	L9 - 42 Larkins Lane, Yallah	21/01/2021	65	Construction noise audible: 5 tonne excavator (44-56) and squawker (42-49). Most dominant noise sources: Princes HWY (50-56) and cicadas (45-56)
11	L10 - 4 Semillon Place, Mount Brown	21/01/2021	64	No construction audible at time of monitoring. Traffic along Princes HWY (65-68) and insects (54-66) most dominant noise source.

#### 4. Air Monitoring Results

**Table 3 Composite Monitoring results – January 2021**

EPA ID#	Location	Ash Content g/m <sup>2</sup> .month	Combustible Matter g/m <sup>2</sup> .month	Total Insoluble Matter g/m <sup>2</sup> .month
12	DMG 1 34 Princes Highway, Yallah	0.5	1.1	1.6
13	DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail	0.4	0.2	0.6

**Table 4 Continuous Monitoring results – January 2021**

EPA ID#	Location	PM <sub>2.5</sub> (mg/m <sup>3</sup> )	PM <sub>10</sub> (mg/m <sup>3</sup> )	Total Suspended particles (mg/m <sup>3</sup> )
14	RT2 – 2 Stapleton St, Albion Park	Min: 0.0001 Avg: 0.0016 Max: 0.0046	Min: 0.0001 Avg: 0.0016 Max: 0.0046	Min: 0.0001 Avg: 0.0016 Max: 0.0046
15	RT1 – Cnr Woollybutt Dr & East West Link, Albion Park Rail	Min: 0.0030 Avg: 0.0104 Max: 0.0221	Min: 0.0026 Avg: 0.0116 Max: 0.0237	Min: 0.0036 Avg: 0.0117 Max: 0.0237

Note:

1. The project EPL only requires the project to monitor Particulate Matter (PM<sub>2.5</sub>, PM<sub>10</sub> and TPS) and does not stipulate criteria for air quality to be recorded against.