



## **Albion Park Rail Bypass**

**ENVIRONMENT PROTECTION LICENCE NO: 21139**

**POLLUTION MONITORING DATA**

**April 2020**



## 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 – April 2020**

| Date       | Location | pH  | NTU (Field) | Suspended Solids (mg/L) | Oil and Grease |
|------------|----------|-----|-------------|-------------------------|----------------|
| 2/04/2020  | SB16400W | 6.9 | 15.87       | 7                       | No             |
| 2/04/2020  | SB AS4-1 | 8.1 | 27.6        | 22                      | No             |
| 3/04/2020  | SB16800E | 7.9 | 20.6        | 11                      | No             |
| 3/04/2020  | SB18520E | 8   | 23.4        | 27                      | No             |
| 6/04/2020  | SB23200E | 8.3 | 14.49       | 14                      | No             |
| 6/04/2020  | SB23850E | 7.4 | 20.3        | 15                      | No             |
| 6/04/2020  | SB24650W | 8.3 | 21.3        | 12                      | No             |
| 6/04/2020  | SB24800E | 8   | 3.6         | <5                      | No             |
| 6/04/2020  | SB25450W | 8.1 | 5.33        | 6                       | No             |
| 7/04/2020  | SB17600E | 8.2 | 9.15        | 10                      | No             |
| 7/04/2020  | SB21550E | 7.6 | 6.05        | <5                      | No             |
| 9/04/2020  | SB16800W | 8.4 | 13.08       | 7                       | No             |
| 9/04/2020  | SB22850E | 8.1 | 5.78        | <5                      | No             |
| 9/04/2020  | SB23200E | 8.4 | 16.38       | 5                       | No             |
| 9/04/2020  | SB17100W | 8.2 | 12          | <5                      | No             |
| 16/04/2020 | SB23200E | 8.1 | 13.92       | 26                      | No             |
| 20/04/2020 | SB25450W | 8   | 10.43       | 26                      | No             |
| 22/04/2020 | SB24650W | 8.2 | 14.14       | 17                      | No             |



| Date       | Location | pH  | NTU (Field) | Suspended Solids (mg/L) | Oil and Grease |
|------------|----------|-----|-------------|-------------------------|----------------|
| 22/04/2020 | SB21550E | 7.7 | 12.72       | 26                      | No             |
| 22/04/2020 | SB23200E | 8.3 | 22.7        | 24                      | No             |
| 24/02/2020 | SB18800W | 8.3 | 5.28        | <5                      | No             |
| 24/04/2020 | SB23200E | 8.4 | 15.59       | 9                       | No             |
| 24/04/2020 | SB24400E | 8   | 7.62        | <5                      | No             |
| 27/04/2020 | SB21550E | 8.3 | 7.42        | 16                      | No             |

### 3. Noise Monitoring Results

**Table 2 Noise monitoring results – April 2020**

| EPA ID# | LOCATION                                | Date       | L(A)eq(15min) | Comments   |
|---------|---|------------|---------------|--|
| 2       | L1 - 20 Westwood Drive, Blackbutt       | 27/04/2020 | 56            | No construction audible at time of monitoring.   |
| 3       | L2 - 78 Jarrah Way, Albion Park Rail    | 27/04/2020 | 53.2          | Hammering (50-53) surface miners (48-51) squawker (47-49) construction noises audible.                                   |
| 4       | L3 - 17 Gumnut Street, Albion Park Rail | 23/04/2020 | 54            | 3 inch pump (50-51) Excavator tracking (50-54) Squawker (49-51) Scrapers (46-49)   |
| 5       | L4 - 152 Croome Road, Albion Park       | 23/04/2020 | 68            | Squawker (48-49) structures working on bridge 12 (47-50)   |
| 6       | L5 - 59 Burdekin Drive, Albion Park     | 28/04/2020 | 56            | No construction audible at time of monitoring. Traffic along Burdekin Dr (52-78) most dominant noise source.             |
| 7       | L6 - 25 Fraser Crescent, Albion Park    | 28/04/2020 | 49            | Squawker (46-48) Excavator (48-50) construction noise audible at time of monitoring.                                     |
| 8       | L7 - 52 Tongarra Road, Albion Park      | 23/04/2020 | 74            | Excavator (52-53) on and off throughout recording.   |
| 9       | L8 - 24 Terry Street, Albion Park       | 27/04/2020 | 75            | 5T excavator (50-62) only construction work audible. Traffic on the Illawarra Hwy (60-93) most dominant source of noise. |



| EPA ID# | LOCATION                            | Date       | L(A)eq(15min) | Comments   |
|---------|-------------------------------------|------------|---------------|--|
| 10      | L9 - 42 Larkins Lane, Yallah        | 28/04/2020 | 62            | Bulk earthworks in cut 1. Surface miner on northbound lanes worked for 3 mins (63-66) tracking (60-63). Excavator trimming batters (58-62), Front loader loading trucks 58-64 working, 68-74 when tipping into truck. Tipped 5 times in 15mins |
| 11      | L10 - 4 Semillon Place, Mount Brown | 28/04/2020 | 56            | No construction audible at time of monitoring.   |

#### 4. Air Monitoring Results

**Table 3 Composite Monitoring results – April 2020**

| EPA ID# | Location  | Ash Content<br>g/m <sup>2</sup> .month | Combustible<br>Matter<br>g/m <sup>2</sup> .month | Total Insoluble<br>Matter<br>g/m <sup>2</sup> .month |
|---------|---|--|--|--|
| 12      | DMG 1 34 Princes Highway, Yallah                          | 0.6                                    | 1.0  | 1.6  |
| 13      | DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail | 0.7                                    | 0.5  | 1.2  |

**Table 4 Continuous Monitoring results – April 2020**

| EPA ID# | Location  | PM <sub>2.5</sub><br>(mg/m <sup>3</sup> )    | PM <sub>10</sub><br>(mg/m <sup>3</sup> )     | Total<br>Suspended<br>particles<br>(mg/m <sup>3</sup> ) |
|---------|---|--|--|---|
| 14      | RT2 – 2 Stapleton St, Albion Park                         | Min: 0.00231<br>Avg: 0.00969<br>Max: 0.02677 | Min: 0.00288<br>Avg: 0.01114<br>Max: 0.02973 | Min: 0.00292<br>Avg: 0.01123<br>Max: 0.02989            |
| 15      | RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail | Min: 0.00276<br>Avg: 0.01096<br>Max: 0.03515 | Min: 0.00305<br>Avg: 0.01306<br>Max: 0.04687 | Min: 0.00308<br>Avg: 0.01314<br>Max: 0.04716            |

Note: 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.