



Albion Park Rail Bypass

ENVIRONMENT PROTECTION LICENCE NO: 21139

POLLUTION MONITORING DATA

October 2021



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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 – October 2021

| Date | Location | pH | NTU (Field) | Suspended Solids (mg/L) | Oil and Grease |
|----------|----------|-----|-------------|-------------------------|----------------|
| 26/10/21 | SB18520E | 7.9 | 5.4 | | No |
| 26/10/21 | SB24300E | 8.3 | 10.48 | | No |
| 26/10/21 | SB24400E | 8.3 | 18.14 | | No |

3. Noise Monitoring Results

Table 2 Noise monitoring results – October 2021

| EPA ID# | LOCATION | Date | $L(A)_{eq(15min)}$ | Comments |
|---------|-----------------------------------------|------------|--------------------|-----------------------------------------------------------------------------------------------------------------|
| 2 | L1 - 20 Westwood Drive, Blackbutt | 15/10/2021 | 51 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 3 | L2 - 78 Jarrah Way, Albion Park Rail | 15/10/2021 | 46 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 4 | L3 - 17 Gumnut Street, Albion Park Rail | 15/10/2021 | 54 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 5 | L4 - 152 Croome Road, Albion Park | 15/10/2021 | 72 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |



| EPA ID# | LOCATION | Date | L(A)eq(15min) | Comments |
|---------|--------------------------------------|------------|---------------|-----------------------------------------------------------------------------------------------------------------|
| 6 | L5 - 59 Burdekin Drive, Albion Park | 15/10/2021 | 58 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 7 | L6 - 25 Fraser Crescent, Albion Park | 15/10/2021 | 42 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 8 | L7 - 52 Tongarra Road, Albion Park | 15/10/2021 | 71 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 9 | L8 - 24 Terry Street, Albion Park | 15/10/2021 | 69 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 10 | L9 - 42 Larkins Lane, Yallah | 15/10/2021 | 64 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |
| 11 | L10 - 4 Semillon Place, Mount Brown | 15/10/2021 | 60 | No construction noise was audible at the time of monitoring, all noise attributable to background noise sources |

4. Air Monitoring Results

Table 3 Composite Monitoring results – October 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 | 0.8 | 1.0 | 1.8 |
| 13 | DMG Control Cnr Ash Ave and Tongarra Rd, Albion Park Rail | 0.6 | 0.3 | 0.9 |

**Table 4 Continuous Monitoring results – October 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: 0.0067 Max: 1.310 | Min: 0.0000 Avg: 0.0076 Max: 2.610 | Min: 0.0000 Avg: 0.0077 Max: 2.830 |
| 15 | RT1 – Cnr Woolybutt Dr & East West Link, Albion Park Rail | Min: 0.0000 Avg: 0.0086 Max: 1.500 | Min: 0.0000 Avg: 0.0097 Max: 1.500 | Min: 0.0000 Avg: 0.0098 Max: 1.500 |

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.