

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – February 2020

1 ENVIRONMENT PROTECTION LICENCE – DETAILS

The Environment Protection Licence for the Ellerton Drive Project (No. 20852) can be viewed on the EPA website [here](#).

The Licensee is:

WBHO Infrastructure Pty Ltd
580 St Kilda Road
Melbourne VIC 3004

2 SEDIMENT BASIN DISCHARGE – WATER MONITORING

Under Condition M2.3 of EPL 20852, water must be monitored daily during any discharge.

| | | |
|------------------------------|-----------------|---|
| Concentration limits: | pH: | 6.5 – 8.5 |
| | TSS: | 50 mg/L (*if a statistical correlation is established between TSS and NTU, NTU may be used in place of TSS) |
| | Oil and grease: | Not visible |

No sediment basin was discharged during the month of February 2020.

3 DUST MONITORING

Under Condition M2.2 of EPL 20852, dust must be monitored monthly at each monitoring point.

Four (4) dust monitoring gauges (DMGs) listed on EPL 20852 were in operation during the period January 2020 – February 2020.

Dust samples were collected from gauges at the following locations in February 2020:

- NCA 5 – DMG 05 - Sensitive receiver, Lonergan Drive
- NCA 7 – DMG 07 - Sensitive receiver, Doeberl Place
- NCA 8 – DMG 08 - Sensitive receiver, Barracks Flat Drive
- NCA 8 – DMG 09 - Sensitive receiver, Alfred Place

The result of the dust monitoring is provided in Table 1 below.

Table 1 – Dust Monitoring

| | | DMG ID | DMG 05 | DMG 07 | DMG 08 | DMG 09 | |
|--|-------------------------|------------------------|------------|------------|------------|------------|------|
| | | EPL identifier | 7 | 9 | 10 | 11 | |
| | | Start date of sampling | 20/01/2020 | 24/01/2020 | 24/01/2020 | 24/01/2020 | |
| | | End date of sampling | 21/02/2020 | 21/02/2020 | 21/02/2020 | 21/02/2020 | |
| Analyte | Unit | Level of concern | LOR | | | | |
| Ash content | g/m ² .month | 4 | 0.05 | 0.71 | 1.54 | 1.74 | 2.17 |
| Combustible matter | g/m ² .month | n/a | 0.2 | 0.4 | 0.4 | 0.8 | 0.7 |
| Total insoluble matter | g/m ² .month | 4 | 0.2 | 1.1 | 1.9 | 2.5 | 2.9 |
| Total insoluble matter (annual average to date) | g/m ² .month | 4 | | 1.3 | 3.1 | 2.4 | 4.1 |

LOR = Limit of reporting

EPL = Environment Protection Licence

4 NOISE MONITORING

Under Condition M2.4 of EPL 20852, noise monitoring at each monitoring point must be conducted monthly.

The noise monitoring results from the nominated monitoring locations are summarised in Table 2 below.

Table 2 Noise monitoring results February 2020

| Noise monitoring location details | Measurement details | | Measured noise levels dB(A) (15 minute sample) | | | | Construction noise dominated? | Description of ambient noise sources | Construction noise generating activities |
|-----------------------------------|---------------------|------------|---|------|------|-------|-------------------------------|--------------------------------------|--|
| | | | LAeq | LA10 | LA90 | LAMax | | | |
| NCA 1 | Date: | 27/02/2020 | 42.4 | 39.5 | 33.0 | 60.5 | N | | No noisy works nearby |
| Thomas Royal Gd | Start time: | 14:14:00 | | | | | | | |
| EPL ID: 3 | Run time (min): | 15:00 | | | | | | | |
| | Wind speed: | 2 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 22 | | | | | | | |
| | Cloud cover: | 0/8 | | | | | | | |
| NCA 2 | Date: | 27/02/2020 | 41.8 | 44.0 | 35.0 | 57.5 | N | | No noisy works nearby |
| Stonehaven Cct | Start time: | 14:38:00 | | | | | | | |
| EPL ID: 12 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 2 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 23.5 | | | | | | | |
| | Cloud cover: | 0/8 | | | | | | | |
| NCA 3 | Date: | 27/02/2020 | 41.3 | 39.5 | 31.0 | 59.3 | N | | No noisy works nearby |
| Taylor Place | Start time: | 15:14:00 | | | | | | | |
| EPL ID: 13 | Run time (min): | 15:00 | | | | | | | |
| | Wind speed: | 2-3 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 24 | | | | | | | |
| | Cloud cover: | 0/8 | | | | | | | |

| Noise monitoring location details | Measurement details | | Measured noise levels dB(A) (15 minute sample) | | | | Construction noise dominated? | Description of ambient noise sources | Construction noise generating activities |
|-----------------------------------|---------------------|------------|---|------|------|-------|-------------------------------|--------------------------------------|--|
| | | | LAeq | LA10 | LA90 | LAMax | | | |
| NCA 4 | Date: | 28/02/2020 | 44.9 | 44.5 | 31.0 | 63.1 | Y | Birds | Potholing (service locating) |
| Severne Street | Start time: | 13:31:00 | | | | | | | |
| EPL ID: 14 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 1-2 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 23 | | | | | | | |
| | Cloud cover: | 0/8 | | | | | | | |
| NCA 5 | Date: | 27/02/2020 | 69.1 | 72.0 | 43.5 | 88.3 | Y | | Earthworks Scaffolding removal Hand tools used at the bridge |
| Loneragan Drive | Start time: | 11:02:00 | | | | | | | |
| EPL ID: 15 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 1-2 m/s | | | | | | | |
| | Wind direction: | N | | | | | | | |
| | Temp (°C): | 18 | | | | | | | |
| | Cloud cover: | 0/8 | | | | | | | |
| NCA 6 | Date: | X | | | | | | | |
| Severne Street | Start time: | X | | | | | | | |
| EPL ID: 16 | Run time: | X | | | | | | | |
| | Wind speed: | X | | | | | | | |
| | Wind direction: | X | | | | | | | |
| | Temp (°C): | X | | | | | | | |
| | Cloud cover: | X | | | | | | | |
| NCA 7 | Date: | 21/02/2020 | 52.4 | 54.5 | 49.0 | 67.3 | Y | | Concrete drain construction Earthmoving machinery Concrete placement at bridge |
| Doeberl Pl | Start time: | 12:02:00 | | | | | | | |
| EPL ID: 17 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 2-3 m/s | | | | | | | |
| | Wind direction: | N | | | | | | | |
| | Temp (°C): | 20 | | | | | | | |
| | Cloud cover: | 1/8 | | | | | | | |

| Noise monitoring location details | Measurement details | | Measured noise levels dB(A) (15 minute sample) | | | | Construction noise dominated? | Description of ambient noise sources | Construction noise generating activities |
|-----------------------------------|---------------------|------------|---|------|------|-------|-------------------------------|--|---|
| | | | LAeq | LA10 | LA90 | LAMax | | | |
| NCA 8 (A) | Date: | 28/02/2020 | 51.9 | 55.0 | 46.0 | 67.8 | Y | Traffic on Old Cooma Road Traffic on Edwin Land Parkway | Concrete no fines placement Haul trucks moving through site |
| Alfred Place | Start time: | 12:19:00 | | | | | | | |
| EPL ID: 18 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 1 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 21 | | | | | | | |
| | Cloud cover: | 4/8 | | | | | | | |
| NCA 8 (B) | Date: | 28/02/2020 | 48.3 | 49.5 | 39.5 | 70.4 | Y | | Trucks hauling materials through site Excavator piling for noise wall Concrete truck behind noise wall placing concrete |
| Barracks Flat Dr | Start time: | 11:55:00 | | | | | | | |
| EPL ID: 19 | Run time: | 15:00 | | | | | | | |
| | Wind speed: | 1 m/s | | | | | | | |
| | Wind direction: | NW | | | | | | | |
| | Temp (°C): | 21 | | | | | | | |
| | Cloud cover: | 4/8 | | | | | | | |