

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – June 2019

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### 1 ENVIRONMENT PROTECTION LICENCE – DETAILS

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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

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

<b>Concentration limits:</b>	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 basins were discharged during the month of June 2019.

### 3 DUST MONITORING

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

Nine (9) dust monitoring gauges (DMGs) listed on EPL 20852 were in operation during the period May 2019 – June 2019.

Dust samples were collected from gauges at the following locations in June 2019:

- NCA 1 – DMG 01 - Sensitive receiver, Ellerton Drive
- NCA 2 – DMG 02 - Sensitive receiver, Stonehaven Circuit
- NCA 3 – DMG 03 - Sensitive receiver, Taylor Place
- NCA 4 – DMG 04 - Sensitive receiver, Severne St
- NCA 5 – DMG 05 - Sensitive receiver, Lonergan Drive
- NCA 6 – DMG 06 - Sensitive receiver, Severne St
- 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 01	DMG 02	DMG 03	DMG 04	DMG 05	DMG 06	DMG 07	DMG 08	DMG 09	
		EPL identifier	2	4	5	6	7	8	9	10	11	
		Start date of sampling	17/05/2019	21/05/2019	17/05/2019	27/05/2019	17/05/2019	17/05/2019	17/05/2019	24/05/2019	31/05/2019	
		End date of sampling	18/06/2019	21/06/2019	19/06/2019	26/06/2019	17/06/2019	18/06/2019	17/06/2019	21/06/2019	1/07/2019	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m <sup>2</sup> .month	4	0.05	0.86	1.43	0.25	0.16	0.08	0.27	0.63	0.53	1.32
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.5
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	1.1	1.7	0.5	0.4	0.3	0.5	0.9	0.7	1.8
<b>Total insoluble matter (annual average to date)</b>	g/m <sup>2</sup> .month	<b>4</b>		2.3	2.9	2.1	2.0	2.0	2.2	<b>4.2</b>	2.5	3.8

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 June 2019**

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			
<b>NCA 1</b>	Date:	20/06/2019	<b>56.5</b>	<b>60.5</b>	<b>52.0</b>	<b>66.4</b>	<b>Y</b>	Not audible	Asphalt placement existing Ellerton Drive
Thomas Royal Gd	Start time:	14:09:00 PM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	10							
	Cloud cover:	3/8							
<b>NCA 2</b>	Date:	21/06/2019	<b>50.3</b>	<b>53.0</b>	<b>45.0</b>	<b>63.3</b>	<b>Y</b>	Not audible	Asphalt placement existing Ellerton Drive
Stonehaven Cct	Start time:	16:09							
EPL ID: 12	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	S							
	Temp (°C):	10							
	Cloud cover:	0/8							
<b>NCA 3</b>	Date:	28/06/2019	<b>46.6</b>	<b>49.5</b>	<b>40.5</b>	<b>61.5</b>	<b>Y</b>	Not audible	Loader moving through Cut B Subsoils Cut B / Fill 2 Concrete trucks
Taylor Place	Start time:	12:28							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	1 -2 m/s							
	Wind direction:	NW							
	Temp (°C):	13							
	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			
<b>NCA 4</b>	Date:	22/06/2019	<b>45.2</b>	<b>43.0</b>	<b>29.5</b>	<b>62.3</b>	<b>N</b>	Birds	Water cart operating over HBB area.
Severne Street	Start time:	11:30							
EPL ID: 14	Run time:	15:00							
	Wind speed:	1 - 2 m/s							
	Wind direction:	SW							
	Temp (°C):	9							
	Cloud cover:	0/8							
<b>NCA 5</b>	Date:	17/06/2019	<b>72.6</b>	<b>75.5</b>	<b>68.0</b>	<b>77.7</b>	<b>Y</b>	Not audible	Segment 3 bridge concrete pour. Concrete trucks, concrete pumps. Formwork vibrators.
Loneragan Drive	Start time:	9:44:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SE							
	Temp (°C):	6							
	Cloud cover:	1/8							
<b>NCA 6</b>	Date:	24/06/2019	<b>56.1</b>	<b>58.0</b>	<b>45.5</b>	<b>68.7</b>	<b>Y</b>	Birds	HBB placement Haul trucks delivering materials to site Grader Water cart
Severne Street	Start time:	10:19							
EPL ID: 16	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	S							
	Temp (°C):	8							
	Cloud cover:	0/8							
<b>NCA 7</b>	Date:	28/06/2019	<b>62.1</b>	<b>66.5</b>	<b>54.5</b>	<b>77.0</b>	<b>Y</b>	Activity in nearby houses	Noise wall construction: Concrete trucks x 2 Water cart 2 x excavators (max) Loader
Doeberl Pl	Start time:	11:21							
EPL ID: 17	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	N							
	Temp (°C):	10							
	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			
<b>NCA 8 (A)</b>	Date:	28/06/2019	<b>59.1</b>	<b>62.0</b>	<b>52.0</b>	<b>76.0</b>	<b>Y</b>	Dogs barking Traffic on Old Cooma Road Traffic on Edwin Land Parkway Old Cooma Road Duplication works	Excavator - environmetnal controls Loader - stockpile Haul trucks entering / leaving
Alfred Place	Start time:	10:53							
EPL ID: 18	Run time:	15:00							
	Wind speed:	<1 m/s							
	Wind direction:	N							
	Temp (°C):	8							
	Cloud cover:	0/8							
<b>NCA 8 (B)</b>	Date:	28/06/2019	<b>65.3</b>	<b>69.0</b>	<b>57.5</b>	<b>75.3</b>	<b>Y</b>	Traffic on Barracks Flat Drive	Excavator working at Barracks Flat link road. Service adjustments. Haul trucks through site Loader Light vehicles
Barracks Flat Dr	Start time:	11:48							
EPL ID: 19	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	N							
	Temp (°C):	12							
	Cloud cover:	0/8							