

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – January 2018

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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.

No sediment basins were discharged during the month of January 2018.

### 3 DUST MONITORING

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

Eight (8) dust monitoring gauges (DMGs) were in operation during the period December 2017 – January 2018. Dust jars were collected on 9 January 2018 for laboratory analysis.

Dust samples were collected from gauges at the following locations in January 2018:

- NCA 2 – Sensitive receiver, Stonehaven Circuit
- NCA 3 – Sensitive receiver, Taylor Place
- NCA 4 – Sensitive receiver, Severne St
- NCA 5 – Sensitive receiver, Lonergan Drive
- NCA 6 – Sensitive receiver, Severne St
- NCA 7 – Sensitive receiver, Doeberl Place
- NCA 8 – Sensitive receiver, Barracks Flat Drive
- NCA 8 – Sensitive receiver, Alfred Place

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

**Table 2 – Dust Monitoring**

DMG ID		DMG 01	DMG 02	DMG 03	DMG 04	DMG 05	DMG 06	DMG 07	DMG 08	DMG 09	DMG 10		
NCA		NCA 1	NCA 2	NCA 3	NCA 4	NCA 5	NCA 6	NCA 7	NCA 8	NCA 8	NCA 5		
EPL identifier		2	4	5	6	n/a	8	9	10	11	7		
Start date of sampling		-	8/12/2017	8/12/2017	8/12/2017	8/12/2017	8/12/2017	8/12/2017	8/12/2017	8/12/2017	-		
End date of sampling		-	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	-		
Analyte	Unit	Levels of concern	LOR										
Ash content	g/m <sup>2</sup> .month	4	0.05	NR*	0.73	0.87	0.74	0.43	0.61	0.5	0.76	0.72	NR*
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	NR*	0.4	0.3	0.6	0.5	0.8	0.2	0.3	0.4	NR*
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	NR*	1.1	1.2	1.3	0.9	1.4	0.7	1.1	1.1	NR*

LOR = Limit of reporting

EPL = Environment Protection Licence

NR = No result

NR\* Dust monitoring gauges had not yet been installed at these NCAs because landowner agreement had not been reached with any suitable sensitive receivers.

## 4 NOISE MONITORING

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

Noise monitoring was conducted at nine (9) sensitive receivers, within eight (8) Noise Catchment Areas (NCAs) during December 2017. The noise monitoring results are summarised in Table 1 below.

**Table 1 Noise monitoring results January 2018**

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> Thomas Royal Gardens EPL ID: 3	Date:	31/01/18	47.7	50	41.5	64.6	Yes	- Wind. - Public traffic down the road.	- Vehicles exiting the site. - Bulldozer working over the hill at culvert 03.
	Start time:	3:58pm							
	Run time (min):	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	SE							
	Temp (°C):	23							
	Cloud cover:	0/8							
<b>NCA 2</b> Stonehaven Circuit EPL ID: 12	Date:	25/01/18	40.1	43.5	34.5	51.8	No	- Traffic along Ellerton Drive (non-construction) - Birds, cicadas etc.	- Excavator working near site gate. - Construction traffic along Ellerton Drive.
	Start time:	12:26pm							
	Run time:	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	SE							
	Temp (°C):	28							
	Cloud cover:	6/8							
<b>NCA 3</b> Taylor Place EPL ID: 13	Date:	31/01/18	40	49.5	41.5	59.9	Yes	- Birds - Insects (cicadas) - Light breeze through nearby trees.	- Grinder in operation south of monitoring point. - Excavators. - Graders tracking along nearby haul route.
	Start time:	3:21pm							
	Run time (min):	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	SE							
	Temp (°C):	23							
	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> Severne Street EPL ID: 14	Date:	31/01/18	38.4	42	30.5	55.9	No	- Cicadas - Aeroplanes.	Nil.
	Start time:	1:28pm							
	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	SE							
	Temp (°C):	22							
	Cloud cover:	4/8							
<b>NCA 5</b> Lonergan Drive EPL ID: 15	Date:	25/01/18	40.7	43	31	58.9	No	- Birds nearby (max 58.9 dBA). - Traffic from Barracks Flat Drive. - Distant chainsaw (private resident).	Nil.
	Start time:	11:43am							
	Run time:	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	S							
	Temp (°C):	27							
	Cloud cover:	2/8							
<b>NCA 6</b> Severne Street EPL ID: 16	Date:	31/01/18	44.9	48	36	64.7	Yes	-Cicadas and other insects. - Aeroplanes.	- Excavator tracking and building a sediment basin. - Excavator moving and breaking up timber.
	Start time:	1:06pm							
	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	SE							
	Temp (°C):	23							
	Cloud cover:	4/8							
<b>NCA 7</b> Doeberl Pl EPL ID: 17	Date:	25/01/18	40.4	43.5	34.5	61.6	No	- Cicadas, insects. - Public cars along Barracks Flat Drive. - Birds.	- Some construction noise audible from north of Queanbeyan River – excavators and machinery moving.
	Start time:	12:53pm							
	Run time:	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	SE							
	Temp (°C):	29							
	Cloud cover:	5/8							

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> Alfred Place EPL ID: 18	Date:	25/01/18	53.8	55.5	47	74.9	No	<ul style="list-style-type: none"> <li>- Traffic along Old Cooma Road.</li> <li>- Truck engine brakes, acceleration.</li> <li>- Wind rustling nearby trees.</li> <li>- Dogs in the nearby yard.</li> <li>- Birds (Max 74.9 dBA).</li> </ul>	Nil.
	Start time:	1:46pm							
	Run time:	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	S							
	Temp (°C):	29							
	Cloud cover:	7/8							
<b>NCA 8 (B)</b> Barracks Flat Drive EPL ID: 19	Date:	25/01/18	43.7	47	37.5	66.4	No	<ul style="list-style-type: none"> <li>- Cicadas and birds (Max).</li> <li>- Plane overhead.</li> <li>- Bell from a nearby car.</li> </ul>	Nil.
	Start time:	1:18pm							
	Run time:	15:00							
	Wind speed:	3 m/s							
	Wind direction:	S							
	Temp (°C):	30							
	Cloud cover:	7/8							