

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – December 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.

Four sediment basins were manually discharged during the month of December 2018. Concentration limits are outlined below. The details of monitoring undertaken are provided in Table 1.

<b>Concentration limits:</b>	pH:	6.5 – 8.5
	TSS:	50 mg/L
	Oil and grease:	Not visible

Table 1 Sediment basin discharge monitoring

Basin ID	Date	Total Suspended Solids (TSS) (mg/L)	Turbidity (NTU)	pH	Oil and grease	Comments
700R	5/12/2018	10	12.53	7.41	Not visible	Discharged
	19/12/2018	15	26.7	8.1	Not visible	Discharged
1640L	5/12/2018	45	65.8	7.09	Not visible	Discharged
1940L	5/12/2018	50	83.7	7.03	Not visible	Discharged
Basin B	20/12/2018	26	73.7	7.24	Not visible	Discharged
Basin B (lower)	20/12/2018	22	60	7.06	Not visible	Discharged
2780L	21/12/2018	38	113	7.46	Not visible	Discharged
2960L	20/12/2018	19	66.6	7.02	Not visible	Discharged
3390L	21/12/2018	22	12.6	8.39	Not visible	Discharged
4040R	20/12/2018	31	98	8.42	Not visible	Discharged

### 3 DUST MONITORING

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

Ten (10) dust monitoring gauges (DMGs) listed on EPL 20852 were in operation during the period November 2018 – December 2018.

Dust samples were collected from gauges at the following locations in December 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 1 – Dust Monitoring**

		DMG ID	DMG 01	DMG 02	DMG 03	DMG 04	DMG 05	DMG 06	DMG 07	DMG 08	DMG 09	DMG 10	
		EPL identifier	2	4	5	6	n/a	8	9	10	11	7	
		Start date of sampling	16/11/2018	16/11/2018	16/11/2018	15/11/2018	16/11/2018	16/11/2018	15/11/2018	16/11/2018	16/11/2018	15/11/2018	
		End date of sampling	17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	18/12/2018	17/12/2018	17/12/2018	
Analyte	Unit	Level of concern	LOR										
Ash content	g/m <sup>2</sup> .month	4	0.05	3.26	2.99	2.78	2.17	3.55	2.66	4.19	2.19	3.7	4.95
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	0.7	0.8	0.9	0.8	1.8	1	0.7	0.7	1.3	1.4
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	4	3.8	3.7	3	5.4	3.7	4.9	2.9	5	6.3
<b>Total insoluble matter (annual average to date)</b>	g/m <sup>2</sup> .month	4		2.0	1.8	2.0	1.4	1.9	2.0	3.1	2.2	2.4	11.7*

LOR = Limit of reporting

EPL = Environment Protection Licence

NR = No result

\* Outlying results were returned from this monitoring point between February and May 2018, contributing to a high annual average result. Outlying results were investigated in consultation with the EPA and Roads and Maritime Services.

## 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 December 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>	Date:	21.12.2018	<b>46.1</b>	<b>47.0</b>	<b>41.5</b>	<b>66.0</b>	<b>Y</b>		Vehicles entering and exiting site Construction workers talking and using hand tools Digger on the verge near NCA 1
Thomas Royal Gd	Start time:	11:14 AM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	SE							
	Temp (°C):	17.7							
	Cloud cover:	8/8							
<b>NCA 2</b>	Date:	21.12.2018	<b>47.7</b>	<b>48.5</b>	<b>36.5</b>	<b>71.9</b>	<b>Y</b>		Digger working at HV relocation nearby Construction traffic along Elerton Drive
Stonehaven Cct	Start time:	14:08							
EPL ID: 12	Run time:	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	NW							
	Temp (°C):	19.4C20							
	Cloud cover:	3-4 m/s							
<b>NCA 3</b>	Date:	17.12.2018	<b>50.7</b>	<b>54.5</b>	<b>35.5</b>	<b>63.7</b>	<b>Y</b>		Grader Site traffic
Taylor Place	Start time:	12:43							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	26.2							
	Cloud cover:	2/8							

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:	20.12.2018	<b>47.5</b>	<b>50.0</b>	<b>43.0</b>	<b>64.3</b>	<b>Y</b>	Cicadas, aeroplane	Bulldozer and grader operating together. Rock hammering audible in distance.
Severne Street	Start time:	8:59							
EPL ID: 14	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SW							
	Temp (°C):	21.1							
	Cloud cover:	4/8							
<b>NCA 5</b>	Date:	17.12.2018	<b>55.0</b>	<b>55.0</b>	<b>43.5</b>	<b>69.1</b>	<b>Y</b>		Formwork construction Grinder Earthworks machinery south of the river
Lonergan Drive	Start time:	9:09:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	19							
	Cloud cover:	0/8							
<b>NCA 6</b>	Date:	17.12.2018	<b>56.0</b>	<b>58.0</b>	<b>51.5</b>	<b>73.0</b>	<b>Y</b>		Bulldozer at stockpile Dump trucks and excavator
Severne Street	Start time:	9:44							
EPL ID: 16	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	21.6							
	Cloud cover:	0/8							
<b>NCA 7</b>	Date:	19.12.2018	<b>66.5</b>	<b>70.0</b>	<b>52.0</b>	<b>81.4</b>	<b>Y</b>		Rock hammering behind fence
Doeberl Pl	Start time:	8:58							
EPL ID: 17	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	18.6							
	Cloud cover:	8/8							

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:	20.12.2018	<b>53.9</b>	<b>58.5</b>	<b>42.0</b>	<b>65.1</b>	<b>Y</b>	Cicadas and birds Traffic on Old Cooma Road	Grader at fill 9 Polymer truck
Alfred Place	Start time:	9:54							
EPL ID: 18	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	23.1							
	Cloud cover:	4/8							
<b>NCA 8 (B)</b>	Date:	19.12.2018	<b>65.5</b>	<b>68.0</b>	<b>59.5</b>	<b>80.1</b>	<b>Y</b>		Rock crusher and excavator Loader Bulldozer
Barracks Flat Dr	Start time:	9:22							
EPL ID: 19	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NE							
	Temp (°C):	18.7							
	Cloud cover:	0/8							