

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – October 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.

**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

One sediment basin was discharged during the month of October 2019.

Table 1 Sediment basin discharge monitoring

Basin ID	Date	Total Suspended Solids (TSS) (mg/L)	Turbidity (NTU)	pH	Oil and grease	Comments
Basin B	3/10/2019	N/A	85.5	8.39	Nil	Discharged

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### 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 August 2019 – October 2019.

Dust samples were collected from gauges at the following locations in October 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 2 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	
		EPL identifier	2	4	5	6	7	8	9	10	11	
		Start date of sampling	17/09/2019	25/09/2019	19/09/2019	25/09/2019	17/09/2019	17/09/2019	23/09/2019	23/09/2019	25/09/2019	
		End date of sampling	17/10/2019	24/10/2019	17/10/2019	23/10/2019	17/10/2019	17/10/2019	23/10/2019	24/10/2019	24/10/2019	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m <sup>2</sup> .month	4	0.05	1.51	0.76	1.18	0.53	0.97	1.13	1.23	0.6	1.61
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	0.7	0.3	0.4	0.5	0.5	0.5	0.5	0.7	1
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	2.2	1.1	1.6	1	1.5	1.6	1.7	1.3	2.6
<b>Total insoluble matter (annual average to date)</b>	g/m <sup>2</sup> .month	<b>4</b>		2.3	2.9	2.1	2.1	2.0	1.9	3.8	2.4	<b>4.2</b>

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 3 below.

Table 3 Noise monitoring results October 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:	31/10/2019	45.1	47.0	41.5	62.0	Y		Truck watering plants near homes
Thomas Royal Gd	Start time:	9:14:00							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	<1 m/s							
	Wind direction:	SE							
	Temp (°C):	19							
	Cloud cover:	0/8							
<b>NCA 2</b>	Date:	31/10/2019	53.2	58.0	49.0	63.3	Y	Light traffic along Ellerton Drive	Works taking place at shared path - bobcat
Stonehaven Cct	Start time:	9:42:00							
EPL ID: 12	Run time:	15:00							
	Wind speed:	1-2m/s							
	Wind direction:	SE							
	Temp (°C):	19							
	Cloud cover:	0/8							
<b>NCA 3</b>	Date:	29/10/2019	50.6	54.0	41.0	69.2	Y		Digger unloading topsoil from tipper Digger placing topsoil Semi-trailer driving through site
Taylor Place	Start time:	12:07:00							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	N							
	Wind direction:	2-3 m/s							
	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>	Date:	22/10/2019	49.3	50.5	46.5	59.2	Y		Non-destructive digging near driveway. Light vehicles and truck traffic on site.
Severne Street	Start time:	8:52:00							
EPL ID: 14	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	14							
	Cloud cover:	0/8							
<b>NCA 5</b>	Date:	23/10/2019	74.1	75.5	71.5	82.9	Y	Nil	Concrete pour at bridge site: Concrete trucks Concrete pumps Concrete vibrators (max)
Loneragan Drive	Start time:	8:35:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	13							
	Cloud cover:	0/8							
<b>NCA 6</b>	Date:	22/10/2019	55.1	56.0	54.0	64.7	Y		Non-destructive digging near driveway. Light vehicles and truck traffic on site.
Severne Street	Start time:	8:24:00							
EPL ID: 16	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	13							
	Cloud cover:	0/8							
<b>NCA 7</b>	Date:	23/10/2019	52.2	55.5	46.5	66.7	Y		Concrete pour at bridge site Road base layer placement on the main alignment Stormwater pipe installation, on-ramp. Landscaping
Doeberl Pl	Start time:	11:26:00							
EPL ID: 17	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	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 8 (A)</b>	Date:	20/10/2019	51.4	50.0	40.0	73.6	N	Traffic on OCR/ ELP Resident fixing fence Dogs barking (dominant) Birds (dominant)	
Alfred Place	Start time:	9:01:00							
EPL ID: 18	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	8							
	Cloud cover:	0/8							
<b>NCA 8 (B)</b>	Date:	31/10/2019	58.4	62.0	47.5	78.4	Y	Tractor broom sweeping road base layer Watercarts Light vehicles	
Barracks Flat Dr	Start time:	7:59:00							
EPL ID: 19	Run time:	15:00							
	Wind speed:	<1 m/s							
	Wind direction:	SE							
	Temp (°C):	17							
	Cloud cover:	0/8							