

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – March 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.

Two sediment basins were manually discharged during the month of March 2019. 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 (*if a statistical correlation is established between TSS and NTU, NTU may be used in place of TSS)
	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	23/03/2019	n/a*	45.4	8.44	Nil	Discharged
	28/03/2019	n/a*	47.4	8.23	Nil	Discharged
Basin B	12/03/2019	n/a*	65.4	7.67	Nil	Discharged
2960L	09/03/2019	n/a*	5.84	7.81	Nil	Discharged
	12/03/2019	n/a*	6.21	7.85	Nil	Discharged
4600R	14/03/2019	15	17.56	8.4	Nil	Discharged
	15/03/2019	11	16.64	8.34	Nil	Discharged

### 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 February 2019 – March 2019.

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

- NCA 1 – Sensitive receiver, Ellerton Drive
- 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 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 9	
		EPL identifier	2	4	5	6	7	8	9	10	11	
		Start date of sampling	18/02/2019	18/02/2019	18/02/2019	18/02/2019	18/02/2019	18/02/2019	15/02/2019	18/02/2019	20/02/2019	
		End date of sampling	21/03/2019	22/03/2019	21/03/2019	22/03/2019	21/03/2019	21/03/2019	19/03/2019	22/03/2019	25/03/2019	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m <sup>2</sup> .month	4	0.05	3.14	4.25	2.03	1.77	1.77	2	2.87	4.02	5.4
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	0.5	0.8	0.6	0.6	0.5	0.6	0.7	1.2	1.3
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	3.6	5	2.6	2.4	2.3	2.6	3.6	5.2	6.7
<b>Total insoluble matter (annual average to date)</b>	g/m <sup>2</sup> .month	<b>4</b>		2.4	2.6	2.3	2.1	2.4	2.5	4.2	3.0	3.6

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 March 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:	27.03.2019	47.6	50.5	38.5	70.2	Y		Backhoe unloading a delivery truck Light vehicles and trucks into site
Thomas Royal Gd	Start time:	11:49 AM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	S							
	Temp (°C):	17							
	Cloud cover:	3/8							
<b>NCA 2</b>	Date:	22.03.2019	58.1	60.0	47.5	77.4	Y		Excavators tracking at back fence Noise wall construction Site vehicles along Ellerton Drive
Stonehaven Cct	Start time:	11:35							
EPL ID: 12	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	SE							
	Temp (°C):	20							
	Cloud cover:	6/8							
<b>NCA 3</b>	Date:	28.03.2019	47.5	50.0	43.0	63.1	Y	Birds	Excavators working at Cut B Light vehicles and trucks moving through site Side-tippers carting material Water cart
Taylor Place	Start time:	12:12							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	E							
	Temp (°C):	18							
	Cloud cover:	4/8							

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:	27.03.2019	48.6	49.0	39.5	76.3	Y	Birds (max) Private car along driveway	Excavators working on SW pipes Machinery on Fill 3 Pipe cutting
Severne Street	Start time:	10:29							
EPL ID: 14	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	S							
	Temp (°C):	15							
	Cloud cover:	1/8							
<b>NCA 5</b>	Date:	13.03.2019	72.6	76.5	50.5	80.8	Y	Aeroplanes overhead	Bridge segment pour Web form vibrators Concrete placement: 2 x concrete truck, 1 x concrete pump. Generators Crane
Loneragan Drive	Start time:	8:18:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	14							
	Cloud cover:	7/8							
<b>NCA 6</b>	Date:	27.03.2019	51.8	54.0	42.0	66.8	Y	Aeroplanes overhead	Excavator Fill 6 Water carts Light vehicles
Severne Street	Start time:	10:49							
EPL ID: 16	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	S							
	Temp (°C):	15							
	Cloud cover:	2/8							
<b>NCA 7</b>	Date:	13.03.2019	57.2	61.0	50.5	70.1	Y	Aeroplanes overhead	Bridge segment pour: Web form vibrators Earthworks: Excavator working on SW pipes Watercart
Doeberl Pl	Start time:	10:53							
EPL ID: 17	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	NW							
	Temp (°C):	16							
	Cloud cover:	7/8							

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:	28.03.2019	49.2	51.5	41.5	68.4	Y	Traffic along Old Cooma Road Traffic along Edwin Land Parkway Dogs nearby	Excavator working on Fill 9 Sidetippers accessing Gate 2 Light vehicles
Alfred Place	Start time:	13:33							
EPL ID: 18	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	E							
	Temp (°C):	20							
	Cloud cover:	4/8							
<b>NCA 8 (B)</b>	Date:	28.03.2019	57.9	51.5	36.0	91.2	Y	Birds (max) Vacuum cleaner being used next door	Excavator working on SW pipes Light vehicles Water cart passing
Barracks Flat Dr	Start time:	10:28							
EPL ID: 19	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	16							
	Cloud cover:	1/8							