

# Ellerton Drive Extension

## Environment Protection Licence 20852



## EPL Monitoring data – February 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 February 2019. Concentration limits are outlined below. The details of monitoring undertaken are provided in Table 1.

**Concentration limits:**

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	07/02/2019	14	22	8.32	Nil	Discharged
2960L	08/02/2019	23	63.7	7.87	Nil	Discharged
1940L	19/02/2019	12	19.5	8.14	Nil	Discharged
	21/02/2019	14	15.59	7.92	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 January 2019 – February 2019.

Dust samples were collected from gauges at the following locations in February 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	18/01/2019	21/01/2019	18/01/2019	18/01/2019	18/01/2019	18/01/2019	18/01/2019	18/01/2019	18/01/2019	
		End 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	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m <sup>2</sup> .month	4	0.05	2.44	3.93	3.32	3.37	3.14	1.62	6.71	3.26	4.82
Combustible matter	g/m <sup>2</sup> .month	n/a	0.2	0.8	0.8	0.7	1.2	0.8	0.6	2.1	0.9	1.2
Total insoluble matter	g/m <sup>2</sup> .month	4	0.2	3.2	4.7	4	4.6	3.9	2.2	8.8	4.2	6
<b>Total insoluble matter (annual average to date)</b>	g/m <sup>2</sup> .month	<b>4</b>		<b>2.2</b>	<b>2.3</b>	<b>2.3</b>	<b>1.9</b>	<b>2.4</b>	<b>2.4</b>	<b>4.0</b>	<b>2.6</b>	<b>3.1</b>

LOR = Limit of reporting

EPL = Environment Protection Licence

Note: DMG 10 was removed from operation in February 2019 at the request of the landowner. DMG 05 is within the same catchment and remains in operation. The EPA have varied the EPL accordingly.

## 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 February 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:	27/02/2019	<b>52.2</b>	<b>54.0</b>	<b>42.5</b>	<b>72.0</b>	<b>Y</b>	Cars in the neighbourhood	Earthworks: Grader Haul truck entering and exiting site Light vehicles entering car park (max)
Thomas Royal Gd	Start time:	1:26 PM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SE							
	Temp (°C):	26.6							
	Cloud cover:	0/8							
<b>NCA 2</b>	Date:	28/02/2019	<b>51.4</b>	<b>52.5</b>	<b>49.0</b>	<b>68.6</b>	<b>Y</b>	Traffic in the neighbourhood	Excavator working up the road NCA 2 Construction vehicles entering and exiting the site An idling truck at the noise wall works
Stonehaven Cct	Start time:	14:53							
EPL ID: 12	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	N							
	Temp (°C):	30.3							
	Cloud cover:	0/8							
<b>NCA 3</b>	Date:	27/02/2019	<b>48.2</b>	<b>50.5</b>	<b>42.5</b>	<b>65.1</b>	<b>Y</b>	Birds Aeroplanes in distance	Scraper, excavators near cut A. Light vehicles. Watercarts/ trucks Excavator Cut B
Taylor Place	Start time:	12:48							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	1 m/s							
	Wind direction:	NE							
	Temp (°C):	26.4							
	Cloud cover:	1/8							

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:	18/02/2019	<b>53.9</b>	<b>53.5</b>	<b>45.0</b>	<b>78.1</b>	<b>Y</b>	Birds Traffic along driveway (max)	Bulldozer Excavator and haul trucks
Severne Street	Start time:	11:59							
EPL ID: 14	Run time:	15:00							
	Wind speed:	3 m/s							
	Wind direction:	NW							
	Temp (°C):	30							
	Cloud cover:	4/8							
<b>NCA 5</b>	Date:	28/02/2019	<b>56.9</b>	<b>58.5</b>	<b>54.5</b>	<b>68.7</b>	<b>Y</b>	Birds	Excavator working on Abutment batter Crane Workers at bridge deck with hand tools Earthworks on southern side of river audible
Lonergan Drive	Start time:	11:41							
EPL ID: 15	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	NW							
	Temp (°C):	23							
	Cloud cover:	6/8							
<b>NCA 6</b>	Date:	18/02/2019	<b>56.4</b>	<b>58.5</b>	<b>48.0</b>	<b>75.7</b>	<b>Y</b>	Birds	Earthworks: Scraper, backhoe, haul trucks, compactor, grader
Severne Street	Start time:	11:38							
EPL ID: 16	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	30							
	Cloud cover:	3/8							
<b>NCA 7</b>	Date:	25/02/2019	<b>66.5</b>	<b>69.0</b>	<b>61.0</b>	<b>80.9</b>	<b>Y</b>		Rock crushing: Crusher, loader, excavator Earthworks: Excavator, scraper, grader, watercart
Doeberl PI	Start time:	8:46							
EPL ID: 17	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	SE							
	Temp (°C):	15							
	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:	28/02/2019	<b>50.2</b>	<b>53.0</b>	<b>44.5</b>	<b>65.0</b>	<b>Y</b>	Traffic on Old Cooma Road Traffic on Edwin Land Parkway	Excavator tracking up the fill Water carts filling at standpipe Light vehicles entering and exiting site
Alfred Place	Start time:	13:32							
EPL ID: 18	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	W							
	Temp (°C):	25.3							
	Cloud cover:	3/8							
<b>NCA 8 (B)</b>	Date:	28/02/2019	<b>54.9</b>	<b>55.0</b>	<b>45.0</b>	<b>70.0</b>	<b>Y</b>	Dogs barking Birds Power tools in nearby property	Excavator working on batter <80m away Light vehicles and trucks passing (max) Water carts
Barracks Flat Dr	Start time:	9:33							
EPL ID: 19	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	SE							
	Temp (°C):	19.6							
	Cloud cover:	5/8							