

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – September 2019

1 ENVIRONMENT PROTECTION LICENCE – DETAILS

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

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

No sediment basins were discharged during the month of September 2019.

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 – September 2019.

Dust samples were collected from gauges at the following locations in September 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 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	
		EPL identifier	2	4	5	6	7	8	9	10	11	
		Start date of sampling	16/08/2019	26/08/2019	16/08/2019	26/08/2019	16/08/2019	16/08/2019	23/08/2019	23/08/2019	27/08/2019	
		End 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	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m ² .month	4	0.05	2.58	3.2	1.28	1.58	0.93	0.83	2.39	1.9	3.74
Combustible matter	g/m ² .month	n/a	0.2	0.6	0.8	0.6	0.8	0.5	0.6	0.6	0.7	1.3
Total insoluble matter	g/m ² .month	4	0.2	3.2	4	1.9	2.4	1.4	1.4	3	2.6	5
Total insoluble matter (annual average to date)	g/m ² .month	4		2.2	3.1	2.1	2.1	1.9	1.9	4.3	2.4	4.2

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 2 below.

Table 2 Noise monitoring results September 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			
NCA 1	Date:	24/09/2019	58.6	57.5	48.5	72.1	Y		Concrete waste removal: Excavator, tip-truck
Thomas Royal Gd	Start time:	13:30:00							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	NW							
	Temp (°C):	14							
	Cloud cover:	0/8							
NCA 2	Date:	27/09/2019	45.6	44.0	37.5	61.0	N		No major works nearby Bobcat operating on shared path to the east Light vehicles on Ellerton Drive
Stonehaven Cct	Start time:	9:17:00							
EPL ID: 12	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	NW							
	Temp (°C):	10							
	Cloud cover:	0/8							
NCA 3	Date:	27/09/2019	45.9	46.0	36.5	58.6	Y		Excavator working in Cut B Light vehicles and trucks passing.
Taylor Place	Start time:	9:57:00							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	4 m/s							
	Wind direction:	NW							
	Temp (°C):	19.5							
	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			
NCA 4	Date:	27/09/2019	44.3	49.0	36.0	62.5	N		No major construction works nearby Light vehicle traffic through project
Severne Street	Start time:	10:21:00							
EPL ID: 14	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	14							
	Cloud cover:	1/8							
NCA 5	Date:	18/09/2019	72.2	74.0	66.5	76.3	Y		Concrete pour at bridge: Concrete trucks Concrete pumps x 2 Concrete vibrators (max)
Loneragan Drive	Start time:	9:37:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	SE							
	Temp (°C):	10							
	Cloud cover:	0/8							
NCA 6	Date:	16/09/2019	44.9	46.0	36.5	64.1	Y		Works near culvert 9 outlet: Excavator Hand tools
Severne Street	Start time:	16:02:00							
EPL ID: 16	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	SW							
	Temp (°C):	18							
	Cloud cover:	8/8							
NCA 7	Date:	23/09/2019	61.5	65.0	57.5	69.7	Y		Subsoils construction (on-ramp): Excavator, concrete truck (max) Excavator on main roadway (behind noise wall)
Doeberl Pl	Start time:	12:48:00							
EPL ID: 17	Run time:	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	NW							
	Temp (°C):	9.3							
	Cloud cover:	6/8							

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			
NCA 8 (A)	Date:	27/09/2019	63.1	68.0	50.0	78.4	Y	Traffic – Old Cooma Road.	Subsoils construction: Backhoe, concrete trucks (max)
Alfred Place	Start time:	8:27:00							
EPL ID: 18	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SE							
	Temp (°C):	7							
	Cloud cover:	0/8							
NCA 8 (B)	Date:	25/09/2019	70.6	72.5	67.5	78.7	Y		Excavator working near link road - service adjustment.
Barracks Flat Dr	Start time:	8:45:00							
EPL ID: 19	Run time:	15:00							
	Wind speed:	<1 m/s							
	Wind direction:	N							
	Temp (°C):	8.5							
	Cloud cover:	0/8							