

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – October 2018

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.

No sediment basins were discharged offsite during the month of October 2018.

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 August 2018 – October 2018.

Dust samples were collected from gauges at the following locations in October 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		14/09/2018	14/09/2018	14/09/2018	14/09/2018	14/09/2018	13/09/2018	14/09/2018	17/09/2018	14/09/2018	14/09/2018		
End date of sampling		15/10/2018	15/10/2018	15/10/2018	15/10/2018	15/10/2018	15/10/2018	15/10/2018	17/10/2018	15/10/2018	15/10/2018		
Analyte	Unit	Level of concern	LOR										
Ash content	g/m ² .month	4	0.05	1.37	2.02	1.04	0.67	0.53	1.01	6.93	1.47	2.6	0.7
Combustible matter	g/m ² .month	n/a	0.2	0.4	0.6	0.8	0.7	0.4	0.5	0.9	0.3	0.8	0.4
Total insoluble matter	g/m ² .month	4	0.2	1.8	2.6	1.8	1.4	0.9	1.5	7.8	1.8	3.4	1.1
Total insoluble matter (annual average to date)	g/m ² .month	4		1.7	1.6	1.9	1.2	0.9	1.7	2.1	1.9	2.0	13.4*

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 October 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			
NCA 1	Date:	29/10/2018	55.1	56.5	53.0	68.5	Y	Aeroplane	Truck idling near compound Vehicles moving in and out of site Workers on foot and material movement
Thomas Royal Gd	Start time:	4:03 PM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NE							
	Temp (°C):	26							
	Cloud cover:	4/8							
NCA 2	Date:	31/10/2018	46.8	50.0	41.0	61.3	Y	Local traffic on road	Trucks and light vehicles passing Workers on foot, talking Equipment being moved at nearby intersection
Stonehaven Cct	Start time:	16:59							
EPL ID: 12	Run time:	15:00							
	Wind speed:	4 m/s							
	Wind direction:	NW							
	Temp (°C):	29							
	Cloud cover:	0/8							
NCA 3	Date:	31/10/2018	44.9	46.0	36.5	64.1	Y	Birds	Haul trucks and traffic along the access roads. Excavator working in the distance
Taylor Place	Start time:	16:27							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	4 m/s							
	Wind direction:	NW							
	Temp (°C):	29							
	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:	29/10/2018	43.4	46.5	37.0	57.3	Y	Birds	Rock hammering, excavator tracking Trucks through fill 5 and 6.
Severne Street	Start time:	16:35							
EPL ID: 14	Run time:	15:00							
	Wind speed:	<1m/s							
	Wind direction:	NE							
	Temp (°C):	26							
	Cloud cover:	0/8							
NCA 5	Date:	15/10/2018	66.4	69.0	61.0	83.3	Y	Nil	Concrete pour at bridge Pier 2: Concrete pump, concrete vibrator, concrete truck Earthworks south of Barracks Flat Drive: Excavator, compactor, dump truck, scraper
Lonerган Drive	Start time:	13:52:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	4 m/s							
	Wind direction:	NE							
	Temp (°C):	22							
	Cloud cover:	6/8							
NCA 6	Date:	29/10/2018	51.5	55.0	40.5	70.8	Y	Birds	Rock hammering, excavator tracking Trucks and backhoe moving through fill 6
Severne Street	Start time:	15:33							
EPL ID: 16	Run time:	15:00							
	Wind speed:	<1m/s							
	Wind direction:	NE							
	Temp (°C):	28							
	Cloud cover:	0/8							
NCA 7	Date:	11/10/2018	66.0	68.0	61.5	82.2	Y	Local traffic on road	Rock crushing: Crusher, excavator, loader Earthworks: Compactor, scraper, dump truck.
Doeberl Pl	Start time:	10:55							
EPL ID: 17	Run time:	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	SE							
	Temp (°C):	14.6							
	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			
NCA 8 (A)	Date:	8/10/2018	72.2	76.0	62.5	89.2	Y	Traffic on Old Cooma Road Traffic on Edwin Land Parkway	Fill activities: Compactor, pad foot roller, water cart, scraper.
Alfred Place	Start time:	12:05							
EPL ID: 18	Run time:	15:00							
	Wind speed:	1 - 2 m/s							
	Wind direction:	SE							
	Temp (°C):	22.6							
	Cloud cover:	4/8							
NCA 8 (B)	Date:	31/10/2018	52.2	56.0	42.5	69.3	Y	Birds Dog barking nearby	Haul trucks past the property Water cart Light vehicles
Barracks Flat Dr	Start time:	10:49							
EPL ID: 19	Run time:	15:00							
	Wind speed:	1 m/s							
	Wind direction:	NW							
	Temp (°C):	23							
	Cloud cover:	0/8							