

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – July 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 during the month of July 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 May 2018 – July 2018.

Dust samples were collected from gauges at the following locations in July 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	14/06/2018	13/06/2018	15/06/2018	14/06/2018	14/06/2018	15/06/2018	13/06/2018	15/06/2018	14/06/2018	14/06/2018	
		End date of sampling	16/07/2018	16/07/2018	13/07/2018	13/07/2018	13/07/2018	16/07/2018	13/07/2018	16/07/2018	13/07/2018	13/07/2018	
Analyte	Unit	Level of concern	LOR										
Ash content	g/m ² .month	4	0.05	2.34	1.22	1.12	0.29	0.35	1.28	2.2	2.14	1.64	0.66
Combustible matter	g/m ² .month	n/a	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.2
Total insoluble matter	g/m ² .month	4	0.2	2.6	1.4	1.3	0.5	0.5	1.5	2.6	2.5	2	0.8
Total insoluble matter (annual average to date)	g/m ² .month	4		1.6	1.3	2.0	1.1	0.5	1.7	1.4	2.0	1.8	19.5*

LOR = Limit of reporting

EPL = Environment Protection Licence

NR = No result

* Outlying results were returned from this monitoring point over the preceding three months, contributing to a high annual average result. Outlying results have been 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.

Noise monitoring was conducted at nine (9) sensitive receivers, within eight (8) Noise Catchment Areas (NCAs) during July 2017. The noise monitoring results are summarised in Table 2 below.

Table 2 Noise monitoring results July 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:	30/07/2018	61.4	61.5	49.0	84.6	Y	Planes overhead Birds	Machinery moving noise wall panels Workers using power tools Vehicles leaving site
Thomas Royal Gardens	Start time:	9:21 AM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	SE							
	Temp (°C):	6							
	Cloud cover:	0/8							
NCA 2	Date:	26/07/2018	54.5	56.5	45.5	79.7	Y	Traffic on Ellerton Drive	Machinery moving noise wall panels Excavator on verge Workers using power tools Vehicles leaving site
Stonehaven Circuit	Start time:	13:38							
EPL ID: 12	Run time:	15:00							
	Wind speed:	3 m/s							
	Wind direction:	SE							
	Temp (°C):	12							
	Cloud cover:	3/8							
NCA 3	Date:	20/07/2018	62.7	65.5	58.0	75.8	N	Birds Dog barking in adjacent property	Earthworks fill. Compactor, water carts, dump trucks (max). Padfoot roller, grader, dozer.
Taylor Place	Start time:	12:08pm							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	4 m/s							
	Wind direction:	SE							
	Temp (°C):	9							
	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			
NCA 4	Date:	11/07/2018	54.8	58.0	45.5	65.0	Y	Cars along nearby driveway, Birds.	Drilling at Cut E for shotcreting
Severne Street	Start time:	10:43am							
EPL ID: 14	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	5							
	Cloud cover:	0/8							
NCA 5	Date:	18/07/2018	61.0	65.5	47.5	73.8	Y	Birds	Drilling at bridge for piles. Jackhammering of concrete piles.
Loneragan Drive	Start time:	12:08pm							
EPL ID: 15	Run time:	15:00							
	Wind speed:	4-5 m/s							
	Wind direction:	SE							
	Temp (°C):	10							
	Cloud cover:	0/8							
NCA 6	Date:	11/07/2018	55.5	58.0	50.5	63.5	Y		Drilling at Cut E for shotcreting Dozer working near Culvert 9. Vehicles travelling up the adjacent fill area.
Severne Street	Start time:	11:02am							
EPL ID: 16	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	5							
	Cloud cover:	0/8							
NCA 7	Date:	27/07/2018	51.8	54.5	45.5	66.3	Y	Traffic on Barracks Flat Drive Noise from neighbouring properties	Drill rig working at Abutment A Workers at Abutment B Vehicles on site
Doeberl Pl	Start time:	14:48							
EPL ID: 17	Run time:	15:00							
	Wind speed:	2-3 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			
NCA 8 (A)	Date:	27/07/2018	52.7	55.5	46.5	70.4	Y		Machinery working at Culvert 12 Machines preparing erosion controls Workers on foot, hand tools
Alfred Place	Start time:	14:07							
EPL ID: 18	Run time:	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	SE							
	Temp (°C):	14							
	Cloud cover:	0/8							
NCA 8 (B)	Date:	23/07/2018	66.4	72.0	47.0	81.3	Y		Rock hammering, approximately 50 metres away.
Barracks Flat Drive	Start time:	10:56am							
EPL ID: 19	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	4							
	Cloud cover:	0/8							