

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – May 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

No sediment basins were discharged during the month of May 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 April 2018 – May 2018.

Dust samples were collected from gauges at the following locations in May 2018:

- 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 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	12/04/2018	12/04/2018	13/04/2018	16/04/2018	13/04/2018	13/04/2018	12/04/2018	13/04/2018	12/04/2018	13/04/2018	
		End date of sampling	14/05/2018	14/05/2018	15/05/2018	15/05/2018	15/05/2018	15/05/2018	14/05/2018	15/05/2018	14/05/2018	15/05/2018	
Analyte	Unit	Levels of concern	LOR										
Ash content	g/m ² .month	4	0.05	2.05	2	2.08	0.63	2.44	2.64	1.92	0.63	1.93	32.5
Combustible matter	g/m ² .month	n/a	0.2	0.4	0.4	0.3	0.3	0.8	0.5	0.4	0.2	0.8	1.6
Total insoluble matter	g/m ² .month	4	0.2	2.4	2.4	2.4	0.9	3.2	3.1	2.3	0.8	2.7	34.1
Total insoluble matter (annual average to date)	g/m ² .month	4		1.6	1.4	2.4	1.1	3.2	1.9	1.4	1.4	1.8	28.8

LOR = Limit of reporting

EPL = Environment Protection Licence

* The results for DMG 10 are not consistent with the results obtained from any other dust monitoring points for this monitoring period. WBHO are investigating this result in consultation with the Environment Protection Authority (EPA).

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 May 2018. The noise monitoring results are summarised in Table 2 below.

Table 2 Noise monitoring results May 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:	31/05/2018	55.4	58.5	51.0	72.7	Y		Truck on site to deliver noise wall panels. Unloading panels. Labourers maintaining erosion controls.
Thomas Royal Gd	Start time:	9:50 AM							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	<1 m/s							
	Wind direction:	NW							
	Temp (°C):	7.2							
	Cloud cover:	2/8							
NCA 2	Date:	31/05/2018	46.3	48.0	42.0	60.5	N	Traffic on Ellerton Drive.	Some construction noise audible near site gate. Construction noise not dominant.
Stonehaven Cct	Start time:	16:37							
EPL ID: 12	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	S							
	Temp (°C):	11							
	Cloud cover:	2/8							
NCA 3	Date:	15/05/2018	50.9	52.0	48.0	67.2	Y		Work happening at Culvert 5 –workers on foot only. Dozer working on a fill platform downslope of the monitoring point. Dozer tracks were squeaky.
Taylor Place	Start time:	10:25							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	7							
	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:	31/05/2018	52.4	55.0	46.0	70.3	Y	Birds.	Dozer and excavator working on a cut.
Severne Street	Start time:	16:12							
EPL ID: 14	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	SE							
	Temp (°C):	11.6							
	Cloud cover:	2/8							
NCA 5	Date:	15/05/2018	52.7	57.0	44.0	67.4	Y	Birds.	Excavator, roller and a dump truck working at the crane pad. South of the river – excavator at the stockpile and graders stripping the hill.
Lonerган Drive	Start time:	12:13:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	12							
	Cloud cover:	0/8							
NCA 6	Date:	15/05/2018	57.8	60.5	49.0	76.0	Y		Dump trucks hauling through a fill area. Dozer working at the top of a cut area. Excavator loading trucks. Watercarts in operation through the site.
Severne Street	Start time:	9:48							
EPL ID: 16	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	6							
	Cloud cover:	0/8							
NCA 7	Date:	7/05/2018	80.8	83.5	77.0	89.5	Y		Mulching machine operating upslope. Mulcher deemed to be 'high noise' generating. Respite periods were implemented for this activity.
Doeberl Pl	Start time:	11:37							
EPL ID: 17	Run time:	11:09							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	13							
	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			
NCA 8 (A)	Date:	23/05/2018	69.4	75.0	56.0	82.1	Y	Trucks along Old Cooma Road. Trucks along Edwin Land Parkway.	Excavator working on a cut batter and drain. Dozer pushing out fill through fill 9 (dominant noise). Grader working up the hill.
Alfred Place	Start time:	13:40							
EPL ID: 18	Run time:	15:00							
	Wind speed:	Calm							
	Wind direction:	Calm							
	Temp (°C):	13.8							
	Cloud cover:	0/8							
NCA 8 (B)	Date:	31/05/2018	51.6	54.5	37.5	67.1	Y	Birds.	Scrapers working nearby. Roller moving past monitoring location.
Barracks Flat Dr	Start time:	17:02							
EPL ID: 19	Run time:	15:00							
	Wind speed:	2.5 m/s							
	Wind direction:	S							
	Temp (°C):	9							
	Cloud cover:	7/8							