

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – February 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 February 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) were in operation during the period January 2018 – February 2018.

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

- NCA 1 – Adjacent to 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. There were no exceedances for February 2018.

Table 1 – Dust Monitoring February 2018

		DMG ID	DMG 01	DMG 02	DMG 03	DMG 04	DMG 05	DMG 06	DMG 07	DMG 08	DMG 09	DMG 10	
		NCA	NCA 1	NCA 2	NCA 3	NCA 4	NCA 5	NCA 6	NCA 7	NCA 8	NCA 8	NCA 5	
		EPL identifier	2	4	5	6	n/a	8	9	10	11	7	
		Start date of sampling	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	9/01/2018	
		End date of sampling	8/02/2018	8/02/2018	9/02/2018	8/02/2018	8/02/2018	9/02/2018	8/02/2018	8/02/2018	8/02/2018	8/02/2018	
Analyte	Unit	Levels of concern	LOR										
Ash content	g/m ² .month	4	0.05	0.84	0.90	1.61	0.71	0.70	1.23	0.79	0.90	0.63	0.94
Combustible matter	g/m ² .month	n/a	0.2	0.5	0.3	0.5	0.4	0.4	0.7	0.2	0.3	0.5	0.7
Total insoluble matter	g/m ² .month	4	0.2	1.3	1.2	2.1	1.1	1.1	1.9	1.0	1.2	1.1	1.6

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.

Noise monitoring was conducted at nine (9) sensitive receivers, within eight (8) Noise Catchment Areas (NCAs) during February 2018. The noise monitoring results are summarised in Table 2 below.

Table 2 Noise monitoring results February 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 Thomas Royal Gardens EPL ID: 3	Date:	28/02/2018	63.4	65.0	61.0	77.3	Y		Truck pump operating across the road in the site. Water cart driving by at the site entrance. Workers nearby talking and working.
	Start time:	2:00pm							
	Run time (min):	15:00 min							
	Wind speed:	5 m/s							
	Wind direction:	NW							
	Temp (°C):	29							
	Cloud cover:	1/8							
NCA 2 Stonehaven Circuit EPL ID: 12	Date:	27/02/2018	41.5	44.5	35.5	56.0	N	Trees. Multiple aeroplanes overhead. Cars driving past on Ellerton Drive.	Some construction noise audible in the distance (earthworks machinery).
	Start time:	10:37am							
	Run time:	15:00 min							
	Wind speed:	2-3 m/s							
	Wind direction:	NE							
	Temp (°C):	19							
	Cloud cover:	4/8							
NCA 3 Taylor Place EPL ID: 13	Date:	28/02/2018	66.3	69.0	57.5	79.9	Y	Closing doors at the house behind monitoring point.	Bulldozer and excavator working on earthworks cut B. Bulldozer working 20 – 30 metres away from monitor.
	Start time:	4:13pm							
	Run time (min):	15:00 min							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	29							
	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 4 Severne Street EPL ID: 14	Date:	1/03/2018	46.6	44.5	42.0	60.8	Y	Insects and birds.	Bulldozer working down the hill – ripping and dozing earth. Roller also working near the bulldozer. Water carts passing along the nearby haul roads intermittently.
	Start time:	3:31pm							
	Run time:	15:00 min							
	Wind speed:	3 m/s							
	Wind direction:	SE							
	Temp (°C):	25							
	Cloud cover:	0/8							
NCA 5 Loneragan Drive EPL ID: 15	Date:	28/02/2018	55.6	58.5	46.0	79.4	Y	Birds and insects in nearby scrub.	2 x excavators working on clearing nearby. Workers talking and driving light vehicles nearby.
	Start time:	1:27pm							
	Run time:	15:00 min							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	28							
	Cloud cover:	0/8							
NCA 6 Severne Street EPL ID: 16	Date:	1/03/2018	59.2	62.5	49.0	71.6	Y	Insects and birds.	Bulldozer down the hill – ripping and dozing earth. Roller is also working downhill near the dozer. 1 x light vehicles driving along the haul road.
	Start time:	3:49pm							
	Run time:	15:00 min							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	28							
	Cloud cover:	0/8							
NCA 7 Doeberl Pl EPL ID: 17	Date:	27/02/2018	46.3	48.5	40.0	63.7	Y	Birds, insects. Neighbours making noise at home. Cars driving along Barracks Flat Drive.	Excavators working north of the river, clearing vegetation.
	Start time:	2:41pm							
	Run time:	15:00 min							
	Wind speed:	2-3 m/s							
	Wind direction:	N							
	Temp (°C):	24							
	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) Alfred Place EPL ID: 18	Date:	27/02/2018	51.3	51.0	38.0	75.9	N	Traffic on Old Cooma Road and Edwin Land Parkway. Pigeon calling nearby. Magpie Lark calling nearby (max 75.9).	Nil
	Start time:	2:19pm							
	Run time:	15:00 min							
	Wind speed:	2-3 m/s							
	Wind direction:	N							
	Temp (°C):	23							
	Cloud cover:	0/8							
NCA 8 (B) Barracks Flat Drive EPL ID: 19	Date:	27/02/2018	41.6	43.0	35.0	66.2	N	Birds nearby and flying overhead (max). Traffic on Barracks Flat Drive.	Nil
	Start time:	9:59am							
	Run time:	15:00 min							
	Wind speed:	2 m/s							
	Wind direction:	S							
	Temp (°C):	16							
	Cloud cover:	4/8							