

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – November 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

One sediment basin was discharged during the month of November 2019.

Table 1 Sediment basin discharge monitoring

Basin ID	Date	Total Suspended Solids (TSS) (mg/L)	Turbidity (NTU)	pH	Oil and grease	Comments
1940L	1/11/2019	n/a	10.21	8.17	Nil	Discharged

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 October 2019 – November 2019.

Dust samples were collected from gauges at the following locations in November 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 2 below.

Table 2 – 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	17/10/2019	24/10/2019	17/10/2019	23/10/2019	17/10/2019	17/10/2019	23/10/2019	24/10/2019	24/10/2019	
		End date of sampling	18/11/2019	25/11/2019	18/11/2019	22/11/2019	18/11/2019	18/11/2019	22/11/2019	22/11/2019	25/11/2019	
Analyte	Unit	Level of concern	LOR	DMG 01	DMG 02	DMG 03	DMG 04	DMG 05	DMG 06	DMG 07	DMG 08	DMG 09
Ash content	g/m ² .month	4	0.05	3.25	4.35	2.91	3	2.47	2.75	6.29	2.33	5.4
Combustible matter	g/m ² .month	n/a	0.2	0.6	1	0.6	1.3	0.5	1	1.4	1.1	2
Total insoluble matter	g/m ² .month	4	0.2	3.9	5.4	3.5	4.3	3	3.8	7.7	3.4	7.4
Total insoluble matter (annual average to date)	g/m ² .month	4		2.4	3.2	2.2	2.3	2.1	2.0	3.5	2.4	4.5

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 3 below.

Table 3 Noise monitoring results November 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:	18/11/2019	54.3	56.5	48.5	64.2	Y		Excavator and tipper working across road to remediate basin site. Truck driving into the site (max)
Thomas Royal Gd	Start time:	10:03:00							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	16							
	Cloud cover:	0/8							
NCA 2	Date:	25/11/2019	56.0	58.5	47.0	61.3	Y		Bobcat and crew working on shared path
Stonehaven Cct	Start time:	13:45:00 PM							
EPL ID: 12	Run time:	15:00							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	28							
	Cloud cover:	0/8							
NCA 3	Date:	29/11/2019	44.1	49.0	40.5	59.5	Y		Concrete trucks passing Works taking place at Permanent basin A
Taylor Place	Start time:	9:14:00							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SW							
	Temp (°C):	18.5							
	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:	12/11/2019	47.5	53.0	46.5	61.2	Y	Cockatoo overhead (max)	Excavator working on old driveway alignment
Severne Street	Start time:	12:09:00							
EPL ID: 14	Run time:	15:00							
	Wind speed:	5 m/s							
	Wind direction:	NW							
	Temp (°C):	24							
	Cloud cover:	0/8							
NCA 5	Date:	29/11/2019	74.7	75.5	74.0	78.5	Y		Concrete pour - bridge segment 9 Concrete trucks, pumps and vibrating equipment
Loneragan Drive	Start time:	9:49:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	3-4m/s							
	Wind direction:	SW							
	Temp (°C):	22							
	Cloud cover:	0/8							
NCA 6	Date:		X	X	X	X		No monitoring conducted at this location as there are no sensitive receivers living in the residence.	
Severne Street	Start time:								
EPL ID: 16	Run time:								
	Wind speed:								
	Wind direction:								
	Temp (°C):								
	Cloud cover:								
NCA 7	Date:	29/11/2019	57.6	60.5	49.5	69.3	Y		Concrete pour - bridge segment 9 Watercart Hand tools being used
Doeberl Pl	Start time:	10:29:00							
EPL ID: 17	Run time:	15:00							
	Wind speed:	3-4 m/s							
	Wind direction:	SW							
	Temp (°C):	23							
	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:	19/11/2019	57.8	60.5	47.0	72.3	Y	Traffic on Old Cooma Road Traffic on Edwin Land Parkway	HBB being placed - trucks and grader Light vehicles and water cart
Alfred Place	Start time:	12:21pm							
EPL ID: 18	Run time:	15:00							
	Wind speed:	4-5 m/s							
	Wind direction:	NW							
	Temp (°C):	27							
	Cloud cover:	0/8							
NCA 8 (B)	Date:	29/11/2019	61.4	63.5	43.0	77.9	Y		Earthworks at link road Concrete pour at the bridge is audible Watercart operating nearby Scraper driving past (max)
Barracks Flat Dr	Start time:	11:15:00							
EPL ID: 19	Run time:	15:00							
	Wind speed:	3-4m/s							
	Wind direction:	W							
	Temp (°C):	25							
	Cloud cover:	0/8							