

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – August 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

No sediment basins were discharged during the month of August 2019.

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 July 2019 – August 2019.

Dust samples were collected from gauges at the following locations in August 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 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	
		EPL identifier	2	4	5	6	7	8	9	10	11	
		Start date of sampling	18/07/2019	24/07/2019	18/07/2019	24/07/2019	18/07/2019	18/07/2019	22/07/2019	22/07/2019	30/07/2019	
		End date of sampling	16/08/2019	26/08/2019	16/08/2019	26/08/2019	16/08/2019	16/08/2019	23/08/2019	23/08/2019	27/08/2019	
Analyte	Unit	Level of concern	LOR									
Ash content	g/m ² .month	4	0.05	0.98	1.5	0.51	0.79	0.49	0.38	2.48	1.21	1.12
Combustible matter	g/m ² .month	n/a	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.5
Total insoluble matter	g/m ² .month	4	0.2	1.2	1.8	0.7	1.1	0.7	0.5	2.8	1.4	1.6
Total insoluble matter (annual average to date)	g/m ² .month	4		2.0	2.8	2.0	2.0	1.8	1.9	4.2	2.3	3.9

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 2 below.

Table 2 Noise monitoring results August 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:	26/08/2019	59.1	62.0	52.0	67.1	Y		Asphalting activities on Ellerton Drive (max). Trucks and light vehicles entering the project site.
Thomas Royal Gd	Start time:	10:14:00							
EPL ID: 3	Run time (min):	15:00							
	Wind speed:	1 m/s							
	Wind direction:	SE							
	Temp (°C):	8							
	Cloud cover:	7/8							
NCA 2	Date:	1/08/2019	63.8	68.5	55.5	75.2	Y		Lime stabilisation: Truck, grader (max), watercart
Stonehaven Cct	Start time:	15:01:00							
EPL ID: 12	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	13.5							
	Cloud cover:	0/8							
NCA 3	Date:	26/08/2019	50.8	52.5	44.5	63.5	Y	Dogs barking nearby Planes overhead.	Trucks moving through the site. Excavator tracking past.
Taylor Place	Start time:	8:09:00							
EPL ID: 13	Run time (min):	15:00							
	Wind speed:	1 m/s							
	Wind direction:	NE							
	Temp (°C):	6							
	Cloud cover:	6/8							

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:	16/08/2019	51.5	55.0	40.5	63.1	Y	Birds Light traffic on Severne Street.	Shared path construction: Roller Light vehicles and trucks.
Severne Street	Start time:	11:12:00							
EPL ID: 14	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	13							
	Cloud cover:	0/8							
NCA 5	Date:	26/08/2019	74.7	77.0	71.0	81.4	Y		Bridge segment 5 concrete pour: Concrete trucks, pumps. Concrete vibrators (max).
Loneragan Drive	Start time:	8:41:00							
EPL ID: 15	Run time:	15:00							
	Wind speed:	< 1 m/s							
	Wind direction:	SE							
	Temp (°C):	8.3							
	Cloud cover:	3/8							
NCA 6	Date:	16/08/2019	56.0	59.5	44.0	66.0	Y	Birds	Shared path construction: Roller Light vehicles and trucks.
Severne Street	Start time:	10:46:00							
EPL ID: 16	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	12							
	Cloud cover:	0/8							
NCA 7	Date:	5/08/2019	69.2	73.5	51.0	80.4	Y		Noise wall construction: Drill rig, excavator (max). Light vehicles.
Doeberl Pl	Start time:	11:40:00							
EPL ID: 17	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	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 8 (A)	Date:	28/08/2019	56.0	58.5	52.0	73.0	Y	Traffic on Old Cooma Road. Traffic on Edwin Land Parkway. Dog barking next door.	Earthworks on Fill 9 Roller, watercart.
Alfred Place	Start time:	11:07:00							
EPL ID: 18	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	11							
	Cloud cover:	0/8							
NCA 8 (B)	Date:	23/08/2019	70.7	72.5	67.5	82.8	Y		Service installation works at Barracks Flat link road. Excavators (max).
Barracks Flat Dr	Start time:	12:24:00							
EPL ID: 19	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	W							
	Temp (°C):	10							
	Cloud cover:	0/8							