

Ellerton Drive Extension

Environment Protection Licence 20852



EPL Monitoring data – December 2017

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 water was discharged from the site during the month of December 2017.

3 DUST MONITORING

Under Condition M2.2 of EPL 20852, dust must be monitored monthly at each monitoring point.

In December 2017, dust deposition gauges were installed at eight (8) locations where landowner agreement had been reached.

The gauges are to be analysed in January 2018, and the results will be made available in the report for January 2018.

4 NOISE MONITORING

Under Condition M2.4 of EPL 20852, noise monitoring at each monitoring point must be conducted monthly.

During December 2017, noise monitoring was conducted at nine (9) sensitive receivers, within eight (8) Noise Catchment Areas (NCAs). The noise monitoring results are summarised in Table 1 below.

Table 1 Noise monitoring results December 2017

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:	22.12.2017	43.3	39.5	32.5	74.6	No	- Birds - cockatoo (Max 74.6 dB). - Cicadas. - Residents nearby.	- Non-destructive digging (NDD) along Ellerton Drive. - Minor works at site access (manual labour).
	Start time:	11:11 AM							
	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	24							
	Cloud cover:	2/8							
NCA 2 Stonehaven Circuit EPL ID: 12	Date:	21/12/2017	48.5	49.0	41.5	67.5	No	- Birds. - A radio playing nearby. - Cars along Ellerton Drive (Max 67.5 dB).	- Excavator working at site entrance. - NDD on verge of Ellerton Drive westbound lane.
	Start time:	11:06							
	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	25							
	Cloud cover:	3/8							
NCA 3 Taylor Place EPL ID: 13	Date:	20/12/2017	58.1	60.5	54.5	69.6	Yes	- Rustling trees. - Birds.	- Grinder in operation (Max 69.6). - Excavator in operation concurrently with grinder.
	Start time:	10:44							
	Run time:	15:00							
	Wind speed:	1-4 m/s							
	Wind direction:	NW							
	Temp (°C):	25.1							
	Cloud cover:	7/8							

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:	21/12/2017	41.0	43.5	31.5	59.9	No	- Birds (Max 59.9 dB). - Cicadas. - Traffic from Severne street.	- No construction noise audible.
	Start time:	12:57							
	Run time:	15:00							
	Wind speed:	2-3 m/s							
	Wind direction:	NW							
	Temp (°C):	26							
	Cloud cover:	2/8							
NCA 5 Lonergan Drive EPL ID: 15	Date:	20/12/2017	45.4	47.5	41.0	69.5	No	- Birds and cicadas (Max 69.5 dB). - Traffic from Barracks Flat Drive. - Traffic from Old Cooma Road.	- No construction noise audible.
	Start time:	12:40:01							
	Run time:	15:00							
	Wind speed:	1-3 m/s. Gusts up to 4 m/s							
	Wind direction:	NW							
	Temp (°C):	25.1							
	Cloud cover:	8/8							
NCA 6 Severne Street EPL ID: 16	Date:	21/12/2017	40.8	44.0	35.0	57.8	No	- Birds and cicadas (57.8). - Traffic from Severne Street. - Chatter from the house.	- Excavator operation.
	Start time:	12:20							
	Run time:	15:00							
	Wind speed:	2 m/s							
	Wind direction:	NW							
	Temp (°C):	25.6							
	Cloud cover:	2/8							
NCA 7 Doeberl Pl EPL ID: 17	Date:	21/12/2017	37.9	41.0	32.5	55.8	No	- Birds (Max 55.8 dB). - Cicadas (up to 42dB). - Some traffic from Barracks Flat – Drive. - Dogs nearby.	- No construction noise audible.
	Start time:	10:30							
	Run time:	15:00							
	Wind speed:	1-2 m/s							
	Wind direction:	NW							
	Temp (°C):	24							
	Cloud cover:	3/8							

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:	15/12/2017	52.6	55.0	48.0	68.4	No	<ul style="list-style-type: none"> - Traffic on OCR, ELP (45 - 50 dB). - Trucks on OCR (Max 68.4 dB). - Birds and cicadas also nearby. 	<ul style="list-style-type: none"> - One car leaving the site compound. - No construction noise audible.
	Start time:	3:52pm							
	Run time:	15:06							
	Wind speed:	2 m/s							
	Wind direction:	W							
	Temp (°C):	30							
	Cloud cover:	4/8							
NCA 8 (B) Barracks Flat Drive EPL ID: 19	Date:	15/12/2017	43.9	46.5	39.5	67.1	No	<ul style="list-style-type: none"> - Traffic on OCR, ELP (40-45 dB). - Birds overhead (Max 67.1 dB). - Car revving nearby (55-60 dB). 	<ul style="list-style-type: none"> - No construction noise audible.
	Start time:	4:17pm							
	Run time:	15:15							
	Wind speed:	1-2 m/s							
	Wind direction:	W							
	Temp (°C):	30							
	Cloud cover:	4/8							