



# GOSFORD PASSING LOOPS MONITORING DATA

<b>Licensee:</b>	Downer Edi Works Pty Ltd	<b>Address:</b>	15 Watt St, Gosford	<b>EPL No.</b>	<a href="#">20269</a>
<b>Sampled:</b>	Throughout January	<b>Obtained:</b>	Throughout January	<b>Published:</b>	January 2015

Noise Monitoring Results					
Location	Date	Time	Measured (L <sub>Aeq</sub> 15 min)	Predicted noise level	Comments
77 Showground Road	03/01/2015	2300	51.2	52.3	Measurement dominated by local traffic and parties in the distance.
77 Showground Road	04/01/2015	2220	50.3	52.3	Measurement dominated by local traffic and people walking past the monitoring location.
Showground Road	22/01/2015	1840	57.6	61.6	Signalling works at Gosford Station. Measurement dominated by local traffic and passing trains.
38/40 Eve Street	24/01/2015	0405	52.1	N/A	Measurement dominated by local traffic, bats overhead, crickets, and people within their residents.
77 Showground Road	24/01/2015	0430	61.1	61.6	Measurement dominated by local traffic, bats overhead, crickets, and people within their residents.
Cnr Campbell and Glennie Street	24/01/2015	0500	50.0	57.3	Measurement dominated by local traffic, bats overhead, and crickets. Light vehicles within the corridor were also audible.
34 Dwyer Street	24/01/2015	1405	51.0	51.4	Measurement dominated by local traffic, bats overhead, and crickets.
77 Showground Road	24/01/2015	1430	59.2	61.6	Measurement dominated by local traffic as well as a dirt bike, bats overhead, and crickets. Freight train passing and blasting his horn.
34 Dwyer Street	24/01/2015	2012	50.6	51.4	Overhead wiring works. Measurement dominated by local traffic, generator from lights, work crews talking.
Cnr Campbell and	24/01/2015	2033	51.1	57.3	Overhead wiring works.

Noise Monitoring Results					
Location	Date	Time	Measured (L <sub>Aeq</sub> 15 min)	Predicted noise level	Comments
Glennie Street					Measurement dominated by local traffic, bats overhead, crickets. Aeroplane passing over top.
77 Showground Road	24/01/2015	2059	56.1	61.6	Measurement dominated by local traffic. Residents' speaking within their homes was audible. No audible noise coming from the works being undertaken.
38 Eve Street	24/01/2015	2124	47.7	N/A	Measurement dominated by local traffic, dogs barking. Residents' speaking within their homes was audible.
34 Dwyer Street	25/01/2015	0010	48.1	51.4	Overhead wiring works were being undertaken. Measurement dominated by lighting tower, local traffic and crickets.
77 Showground Road	25/01/2015	0035	52.0	61.6	Measurement dominated by local traffic and crickets, frogs and bats. Freight train passed through whilst works were being undertaken.
38 Eve Street	25/01/2015	0058	40.6	N/A	Measurement dominated by local traffic. One sound of a piece of plant horn.
77 Showground Road	25/01/2015	0420	55.4	61.6	Measurement dominated by local traffic. Distant quacker occasionally or short sharp horn blast.
38 Eve Street	25/01/2015	0450	41.7	N/A	Measurement dominated by local traffic. Distant horn blast occasionally.
34 Dwyer Street	25/01/2015	0520	47.5	51.4	Measurement dominated by local traffic, crickets and a mild noise from a lighting tower.
34 Dwyer Street	25/01/2015	1430	49.9	51.4	Measurement dominated by local traffic and birds. During monitoring there were people in the garden and a lawn mower.

#### NOTES

Monitoring results showed that actual noise impacts were below predicted levels during the November weekend Local Track Possession Works.

Affected sensitive receivers were notified of the upcoming works via letter box drops.

## Dust Deposition Results

Air concentration limits are specified in EPL Condition **L2.4**. Table 2 specifies the Air Concentration Limits for the Project.

**Table 2 Air Concentration Limits**

Pollutant	Units of Measure	100 percentile concentration limit	Reference Conditions	Oxygen correction	Averaging period
Insoluble solids	Grams per square metre per month	4	Maximum total insoluble solids		Month

Details on the location of the three Dust Deposition Gauges are provided in Table 3 and in Figure 1. The monitoring locations are consistent with EPL Condition P1.1.

**Table 3 Monitoring Locations**

EPA Identification no.	Type of Monitoring Point	Location Description
2	Dust deposition gauge (reference gauge)	73A Showground Road, Narara
3	Dust deposition gauge	520 Pacific Highway, Wyoming (near crusher site)
4	Dust deposition gauge	4 Renwick Street Wyoming (crusher site)

**Table 4 Monitoring Results**

Monitoring Point	Date	Units of Measure	Insoluble solids	100 percentile concentration limit
<b>January 2015</b>				
EPA 2	15/12/14 – 15/01/15	Grams per square metre per month	1.4	4
EPA 3	15/12/14 – 15/01/15	Grams per square metre per month	0.7	4
EPA 4	15/12/14 – 15/01/15	Grams per square metre per month	1.4	4



## Surface Water Discharge Monitoring

Licence condition **L2.1** states that for each monitoring discharge point or utilisation area specified in the table below, the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table Licence condition **L2.5** details water concentration limits. These limits are detailed below in Table 4. The monitoring data results can be found in Table 5.

**Table 4- Water concentration limits**

Pollutant	Units of Measure	100 percentile concentration limit
Oil and grease	Visible	Visible
pH	pH	6.5 – 8.5
Total Suspended Solids	Milligrams per litre (mg/L)	50

## Surface water discharge monitoring results for January 2014

No Surface Water Discharge Points were used during the January 2015 reporting period.