



## **Foxground and Berry Bypass**

**ENVIRONMENT PROTECTION LICENCE NO: 20462**

**MONTHLY REPORT**

**September 2017**



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## 1. Introduction

The Foxground and Berry Bypass will provide a four-lane highway (two lanes in each direction) with median separation for 12.5 kilometres of the Princes Highway between Toolijooa Road and Croziers Road. The upgrade will include a bypass of the existing winding highway at Foxground and a bypass of Berry with access ramps at the north and south of the town.

RMS has contracted Fulton Hogan to design and construct the Foxground and Berry bypass. The early works construction started in September 2014 with project completion now expected before Christmas 2017, weather permitting.

In accordance with condition R4.1 of the Environment Protection Licence (EPL) No. 20462 the following report details all required monitoring undertaken over the reporting period.

## 2. Non-compliances

There were no non-compliances with the EPL conditions in September 2017.

## 3. Rainfall

There are three RMS automatic weather stations on the project. The results of rainfall monitoring for September 2017 are:

<b>Location</b>	<b>Monthly (mm) recorded</b>
Woodhill Mountain Rd – RMS automatic weather station	1.8
Toolijooa Ridge – RMS automatic weather station	2.2
Austral Park Rd – RMS automatic weather station	2.6

September was a dry month with well under the average monthly rainfall recorded. This enabled the earthworks and pavement teams to continue progress with minimal downtime. Consequently, good levels of production were achieved across the project, enabling the construction team to continue to reduce the risk profile of the project with further stabilisation via landscaping or pavement completion. Environmental monitoring data continues to indicate that the project is mitigating the potential impacts very effectively.

#### 4. Sediment Basin Discharges

There were no discharges on the project for the month of September due to the low rainfall received.

#### 5. Air Monitoring Results

**Table 2 Monitoring results – September 2017**

<b>EPA ID#</b>	<b>Location</b>	<b>Ash Content g/m<sup>2</sup>.month</b>	<b>Combustible Matter g/m<sup>2</sup>.month</b>	<b>Total Insoluble Matter g/m<sup>2</sup>.month</b>
DMG1	455 Princes Hwy, Broughton Village	0.1	0.3	0.4
DMG2	254 Austral Park Rd, Broughton	0.4	0.3	0.7
DMG3	200 Princes Hwy, Berry	0.1	0.3	0.4
DMG4	104 North St, Berry	0.4	0.2	0.6
DMG5	5 Kangaroo Valley Rd, Berry	0.5	0.3	0.8
DMG6	215A Princes Highway Jaspers Brush	0.4	0.4	0.8
DMG (Control1)	Control 1 89 Toolijooa Rd, Toolijooa	0.1	0.3	0.4
DMG (Control 2)	170B Woodhill Mountain Rd, Berry	0.1	0.3	0.4

The above observations have confirmed a downward trend of dust deposition due to the reduction of construction activity and footprint. This trend gives Fulton Hogan the confidence to cease monitoring air quality affective from 1 October in all locations with exception to DMG 4 (North Street) and DMG control 2 (Woodhill Mountain Road). These gauges will be monitored whilst the demobilisation of the North Street ancillary site and site compound commence.

## 6. Noise Monitoring Results

**Table 3 Noise monitoring results – September 2017**

EPA ID#	LOCATION DESCRIPTION	Date	L(A) <sub>eq(15min)</sub>	Comments
8	Receiver 12 - 25 Princes Highway, Broughton Village	26/09/2017	-	No audible construction work at the time of recording
9	Receiver 33 - 40 Austral Park Road, Broughton	26/09/2017	58	Construction: Ancillary site demobilisation (43-45), Truck (55-80). Background: Highway constant (45)
10	Receiver 37 - 371 Princes Highway, Broughton	26/09/2017	62	Construction: Post driving (55-65), radio constant (55), Drilling posts (60), truck (55-70). Background: Highway constant (55-65)
11	Receiver 53 - 185 Princes Highway, Berry	26/09/2017	-	No audible construction work at the time of recording
12	Receiver 65 - 40 Princes Highway, Berry	26/09/2017	52	Construction: sweeper (47) Background: Highway constant (45-50), Queen street constant (50-60), birds constant (45-48)
13	Receiver 164 – 136 North Street, Berry	26/09/2017	54	Construction: Trucks at gate 19 (45-47), reverse alarm (47) Background: local excavator constant (50-55), highway constant (45-55), cars (50-65), dogs (48-52), cyclists (45-50)
14	Receiver 329 – 98 North Street, Berry	26/09/2017	50	Construction: Reverse alarms (40-42). Background: Birds constant (50), highway constant (50-55), cars (55-65)
15	Receiver 416 – 17 George Street, Berry	26/09/2017	61	Construction: Hammering post holes (50-53), truck (50-90) Background: Highway constant (45-50), Queen street constant (40-50), birds (50)
16	Mark Radium Park, Berry	26/09/2017	58	Construction: Excavator queen street (40-45), concrete saw (45-50), sweeping median (45-50), flatbed trucks (60-65). Background: Highway constant (50-60), helicopter (60-65)
17	Receiver 582 – 8 Huntingdale Park Road, Berry	26/09/2017	59	Construction: Loading barriers (45-55), excavator (50-55), concrete saw (55-65). Background: Highway constant

				(48-53), cars (65-75)
20	249 Princes Highway, Jaspers Brush	26/09/2017	56	Construction: none Background: Highway constant (45-60), dogs (50-52), car (50-65)

Note: All noise readings are dB(A)

## 7. Environmental Complaints

No environmental complaints were received in September 2017.