



# Warrell Creek to Nambucca Heads Pacific Highway Upgrade Project

## ENVIRONMENT PROTECTION AUTHORITY MONTHLY REPORT

October 2019

Pacifico Project Number: WC2NH



A team consisting of RMS and Pacifico (ACCIONA Ferrovia JV) to upgrade the Pacific Highway at Warrell Creek to Nambucca Heads

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## 1.0 Introduction

Environmental Protection Licence (EPL) 20533 was issued to ACCIONA Infrastructure for the Warrell Creek to Nambucca Heads Pacific Highway Upgrade project on the 16<sup>th</sup> December 2014. Condition R1.8 of the EPL requires the licensee to provide the EPA with a monthly report containing the following information:

- a) details of all non-compliances with the conditions of this licence and measures taken, or proposed, to prevent a recurrence of such a non-compliance; and
- b) details of all discharges from the sediment basins where the water quality results exceed the limits prescribed by Condition L2.4 including the results of rainfall measurements to demonstrate compliance with Condition L2.5; and
- c) details of results of any acoustic investigation made in relation to Condition L4.2d);  
and

The report referred to in this condition must be received by the EPA within 10 working days of the end of each month.

This document has been prepared to fulfil the requirements of Condition R1.8.

### 1.1 Description of Works

The project's construction activities during October 2019 included the following:

- Defect works
- Landscaping
- Clean up of RMS residual land
- Installation and maintenance of Erosion and Sediment Controls
- Commencement of operational water quality basin at CH52800

Works scheduled for next month includes the following:

- Defect works
- Landscaping
- Clean up of RMS residual land
- Continuing construction of water quality basin at CH52800
- Installation and maintenance of Erosion and Sediment Controls

## 1.2 Consultation Activities

The project's consultation activities during October 2019 included the following:

### **Other Consultation Activities:**

NIL

RMS were responsible for undertaking consultation activities relating to the operational water quality basin construction at CH52800.

### **At House Noise Treatments**

The at house noise treatment program is currently being managed by RMS and is not part of the ACCIONA (Pacífico) Scope of Works and Technical Criteria.

### **Upcoming Community and stakeholder activities:**

- Responding to community issues and concerns
- Consultation in relation to reusing spoil material on RMS residual land.

## 2.0 Weather

### 2.1 Discussion

The automatic recording weather stations at the main site compounds (North and South) records rainfall totals daily at 9AM. The total rainfall received for the month is summarized below:

**Table 2 – Rainfall recorded at the two weather stations operated by Pacifico**

Rainfall (1/10/2019 – 31/10/2019)		
Location	Total monthly rainfall	Total days rainfall
North (Nursery Road)	30.6 mm	6
Albert Drive Compound (South)	25.4 mm	7

Rainfall received at the north and south weather stations was lower than the October monthly average of 92 mm at South West Rocks (Smokey Cape Lighthouse) respectively. A summary of weather conditions recorded over the month for Smokey Cape by the Bureau of Meteorology is detailed below in Table 2.3.

Daily summaries for rainfall received in October 2019 at the Albert Drive Compound and Nursery Road weather stations are shown below in Table 2.1 and 2.2.

**Table 2.1** – Rainfall recorded at Albert Drive Southern Compound Automated Weather Station**October 2019**

Site Name	Date and time	TOTAL Rain Gauge - mm
Southern Compound	1/10/2019 9:00	1.4
Southern Compound	2/10/2019 9:00	0
Southern Compound	3/10/2019 9:00	0
Southern Compound	4/10/2019 9:00	0
Southern Compound	5/10/2019 9:00	0
Southern Compound	6/10/2019 9:00	0
Southern Compound	7/10/2019 9:00	0
Southern Compound	8/10/2019 9:00	0
Southern Compound	9/10/2019 9:00	0
Southern Compound	10/10/2019 9:00	0
Southern Compound	11/10/2019 9:00	0.2
Southern Compound	12/10/2019 9:00	10.2
Southern Compound	13/10/2019 9:00	4.6
Southern Compound	14/10/2019 9:00	1.2
Southern Compound	15/10/2019 9:00	0
Southern Compound	16/10/2019 9:00	0
Southern Compound	17/10/2019 9:00	4.6
Southern Compound	18/10/2019 9:00	0
Southern Compound	19/10/2019 9:00	0
Southern Compound	20/10/2019 9:00	0
Southern Compound	21/10/2019 9:00	0
Southern Compound	22/10/2019 9:00	0
Southern Compound	23/10/2019 9:00	0
Southern Compound	24/10/2019 9:00	0
Southern Compound	25/10/2019 9:00	0
Southern Compound	26/10/2019 9:00	0
Southern Compound	27/10/2019 9:00	3.2
Southern Compound	28/10/2019 9:00	0
Southern Compound	29/10/2019 9:00	0
Southern Compound	30/10/2019 9:00	0
Southern Compound	31/10/2019 9:00	0

**Table 2.2** – Rainfall recorded at the Northern (Nursery Road) Automated Weather Station**October 2019**

Site Name	Date and time	TOTAL Rain Gauge - mm
Northern Compound	1/10/2019 9:00	1.4
Northern Compound	2/10/2019 9:00	0
Northern Compound	3/10/2019 9:00	0
Northern Compound	4/10/2019 9:00	0
Northern Compound	5/10/2019 9:00	0
Northern Compound	6/10/2019 9:00	0
Northern Compound	7/10/2019 9:00	0
Northern Compound	8/10/2019 9:00	0
Northern Compound	9/10/2019 9:00	0
Northern Compound	10/10/2019 9:00	0
Northern Compound	11/10/2019 9:00	0
Northern Compound	12/10/2019 9:00	8.8
Northern Compound	13/10/2019 9:00	3.2
Northern Compound	14/10/2019 9:00	3.2
Northern Compound	15/10/2019 9:00	0
Northern Compound	16/10/2019 9:00	0
Northern Compound	17/10/2019 9:00	8.2
Northern Compound	18/10/2019 9:00	0
Northern Compound	19/10/2019 9:00	0
Northern Compound	20/10/2019 9:00	0
Northern Compound	21/10/2019 9:00	0
Northern Compound	22/10/2019 9:00	0
Northern Compound	23/10/2019 9:00	0
Northern Compound	24/10/2019 9:00	0
Northern Compound	25/10/2019 9:00	0
Northern Compound	26/10/2019 9:00	0
Northern Compound	27/10/2019 9:00	5.8
Northern Compound	28/10/2019 9:00	0
Northern Compound	29/10/2019 9:00	0
Northern Compound	30/10/2019 9:00	0
Northern Compound	31/10/2019 9:00	0

**Table 2.3:** Weather conditions reported at the Smoky Cape by the Bureau of Meteorology Station (ID: 059030)

Observations from Smoky Cape Lighthouse.

Date	Day	Temps		Rain	Evap	Sun	Max wind gust		9 am					3 pm								
		Min °C	Max °C				Dir	Spd km/h	Time local	Temp °C	RH %	Cld g <sup>th</sup>	Dir	Spd km/h	MSLP hPa	Temp °C	RH %	Cld g <sup>th</sup>	Dir	Spd km/h	MSLP hPa	
1	Tu	12.6	22.7	13.0					17.5	68	8	SE	7									
2	We	14.2	23.2	0.4					18.5	71	3	N	11									
3	Th	14.1		0					20.0	74	1	N	4									
4	Fr		24.5	0																		
5	Sa	15.4	22.0	0					17.5	88	8	SW	9									
6	Su	15.1	23.0	0					17.2	89	7	N	11									
7	Mo	16.1	30.0	0					20.4	76	1	N	15									
8	Tu	16.5	24.3	0					18.0	99	8	SW	2									
9	We	11.1	21.8	0					14.0	53	1	SW	6									
10	Th	12.0	22.2	0					15.0	68	3	SW	11									
11	Fr	12.0		0					14.4	79	7	SW	9									
12	Sa		22.0																			
13	Su	10.5	21.0	43.0					12.0	99	8	SW	7									
14	Mo	11.1	23.3	0					15.6	77	7	N	4									
15	Tu	14.8		0					20.1	82	0	N	15									
16	We		25.9																			
17	Th	17.4	30.5	16.4					20.5	92	4	N	22									
18	Fr	14.8	24.3	0					18.0	29	1	SW	11									
19	Sa	14.9	25.9	0					18.0	72	1	NNE	7									
20	Su	14.4	24.6	0					17.1	69	7	SW	15									
21	Mo	13.5	24.8	0					18.6	68	3	SW	4									
22	Tu	15.0	26.0	0					19.0	67	2	SW	7									
23	We	13.6	25.2	0					20.1	75	1	N	4									
24	Th	16.2	24.1	0					19.7	79	3	N	13									
25	Fr	17.5	24.7	0					20.0	78	1	NNW	15									
26	Sa	17.9		0					21.0	72	3	N	19									
27	Su		26.5	0																		
28	Mo	16.0	27.0	0					20.0	75	1	E	4									
29	Tu	16.5	25.1	0					20.6	68	3	N	9									
30	We	17.5	23.5	0					19.8	79	1	N	22									
31	Th	17.4	24.0	0					20.8	76	3	N	22									
<b>Statistics for October 2019</b>																						
Mean		14.7	24.5						18.3	74	3		10									
Lowest		10.5	21.0	0					12.0	29	0	SW	2									
Highest		17.9	30.5	43.0					21.0	99	8	N	22									
Total				72.8																		

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### **3.0 Surface Water Monitoring**

RMS is responsible for surface water quality monitoring post opening of the project to traffic (29th June 2018).

### **4.0 Sediment Basin Water Monitoring**

No licensed sediment basins remain on the EPL 20533. The ASSTA-4 discharge point was added to the licence on the 31/10/19 for commissioning in early November.

### **5.0 Noise Monitoring**

No noise monitoring was undertaken in October 2019.

Refer to section 9.0 below for acoustic investigations.

### **6.0 Vibration Monitoring**

Vibration monitoring was not undertaken in the reporting period. No vibration complaints were received during the reporting period.

### **7.0 Dust Monitoring**

The last round of dust monitoring for the WC2NH project concluded on the 26/10/2018.

### **8.0 Groundwater Monitoring**

RMS is responsible for groundwater quality monitoring post opening of the project to traffic (29th June 2018).

### **9.0 Acoustic Investigations**

No acoustic investigations occurred during the month of October 2019 as no out of hours works occurred (in accordance with L4.2(d)) and no construction noise complaints received during the month.

## **10.0 Complaints**

### 10.1 Summary of Environmental Complaints

No complaints were received in October 2019.

## **11.0 Non-Compliance**

### 11.1 Summary of Non-compliances

No non-compliances occurred during the reporting period.