



Pacific Highway Upgrade: Warrell Creek to Nambucca Heads

Environmental Protection Licence – Monthly Report
December 2014

Re v	Description	Originator	Reviewed	Approved	Date
A	Initial Draft to EPA for review	Noelene Rutherford	Manuel Gil	Guillermo Ripado	13/01/2 015



Details of Revision Amendments

Document Control

The latest approved version of this document will be available for all Project personnel on the Electronic Document Management System - TeamBinder. The functional manager will maintain, review and update this document in accordance with the Revision requirements of the Construction Environmental Management Plan (Refer to section 1.6 of the CEMP).

Amendments

Each new revision to the document will be distributed to all required personnel for review and approval. The revision number is included at the end of the document number, which is noted in the footer of each page. The document will be allocated a new revision number each time a change is made to the document.

When a new revision to the document is available, a notification email will be distributed to all project personnel by the Document Control Team advising of the update.

The functional Manager is responsible for the implementation and review of the document. The Project Director will approve new revisions of the document via the review and approval process as detailed in the Document Control Procedure.

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Terms and Abbreviations

AADJV	Arup and Aurecon Design Joint Venture
ACCIONA	ACCIONA Infrastructure Australia Pty Ltd
AFJV	ACCIONA and Ferrovial Joint Venture
AS/NZS	Australian and New Zealand Standard
ASM	Acid Sulfate Materials
ASMMP	Acid Sulfate Materials Management Plan
CEMP	Construction Environmental Management Plan
D&C	Design and Construction
DJV	Design Joint Venture
DoE	Department of Environment (Commonwealth)
EEC	Endangered Ecological Communities
ENM	Excavated Natural Materials
EO	Environmental Officer
EPBC	Environmental Protection and Biodiversity Conservation
EPRM	Excavated public road material
EWMS	Environmental Works Method Statement
Ferrovial	Ferrovial Agroman (Australia) Pty Ltd
IMS	Integrated Management System
ISO	International Standards Organisation
KPI	Key Performance Indicator
MCoA	Minister’s Conditions of Approval
MNES	Matters of National Environmental Significance
NSW	New South Wales
O&M	Operations and Maintenance
PMT	Project Management Team
PV	Project Verifier
RMS	Roads and Maritime Services
FFMP	Flora and Fauna Management Sub-plan (CEMP Appendix B2 Flora and Fauna Management Sub Plan)
VENM	Virgin Excavated Natural Materials
WC2NH	Warrell Creek to Nambucca Heads (the Project)

1. Introduction

The Warrell Creek to Nambucca Heads Pacific Highway Upgrade project (the WC2NH Project) is being designed and constructed in a joint venture consisting of ACCIONA Infrastructures Pty Ltd (ACCIONA) and Ferrovial Agroman (Australia) Pty Ltd (Ferrovial), in liaison with various other pre-qualified construction contractors, with overall project management and site supervision of the project by Roads and Maritime Services (RMS).

Project Background

The WC2NH project consists of the detailed design and construction of 19.6 km of new dual carriageway road on the Pacific Highway between the northern end of the existing Allgomer Deviation south of Warrell Creek and the southern end of the Nambucca Heads to Urunga Pacific Highway upgrade project west of Nambucca Heads. The project includes:

- 19.6 km of new divided dual carriageway;
- two grade separated interchanges at Warrell Creek and Bald Hill Road south of Macksville. Roads and Maritime is also investigating the provision of north facing ramps at North Macksville;
- longitudinal bridges across Upper Warrell Creek (including North Coast Railway Line), Williamson Creek, Warrell Creek, Nambucca River floodplain (2 of) and Nambucca River;
- overbridges on Rosewood Road, Albert Drive, Scotts Heads Quarry access road, Bald Hill Road, Old Coast Road South, Mattick Road and Old Coast Road North;
- an underpass at Cockburns Lane;
- local roads and drainage and fauna crossing structures; and
- associated infrastructure.

2. Purpose

This report will determine compliance with the WC2NH Environmental Protection Licence (EPL) requirements included in Condition R1.8.

Condition R1.8 states:

The licensee must 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 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;*
- c) Details of the results of any acoustic investigation made in relation to condition L4.2 c); and the report referred to in this condition must be received by the EPA within 10 working days of the end of each month.*

3. Non-compliances

No non-compliances with the EPL conditions have been recorded during December 2014.

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It was noted over the Christmas period that the sediment basin constructed in the Albert Drive compound (B46.4) appears to have a slow level of seepage through the soil material at the base of the sediment basin. Upon construction of the sediment basin, the construction team were not aware that the soil material would cause seepage. The sediment basin became inundated on the 28/12 and again on the 01/01 to approximately 0.8m in depth (which was 1.2m below the spillway level). It is noted that the sediment basin is oversized for the design rainfall event. Stony Creek is located approximately 60m to the south of the sediment basin and was observed during these rainfall periods. It is noted that no sediment laden water ingress was observed in the creek upstream or downstream of the worksite. Photographic records were taken of the creek during and after the rainfall events.

Pacifico is currently investigating methods to line the sediment basin with Soil Conservation Service to ensure the seepage does not reoccur. Lining of the sediment basin will take place as soon as possible.

4. Non-compliant Discharges from Sediment Basins

No non-compliant water releases were recorded during December 2014. Appendix A shows the rainfall data recorded over the reporting period.

5. Acoustic Investigations

No acoustic investigations have been undertaken during this reporting period.

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Appendix A – Rainfall Records

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REGISTER
RAINFALL REGISTER



Rainfall Register			
Date	Chainage	Rainfall (mm)	Sampling (Yes/No)
12-12-14	compound	15 mm	
13-12-14	" "	4-5 mm	
15-12-14	" "	3-5 mm	
18-12-14	" "	3 mm	
19-12-14	" "	18 mm	
27-12-14		34 m	
5-1-15	compound	91 mm	X Mas Brake