VANTAGE
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ALBION PARK RAIL BYPASS
STAGE 2: PRINCES MOTORWAY BETWEEN YALLAH AND OAK FLATS

ENVIRONMENTAL REPRESENTATIVE'S MONTHLY REPORT – AUGUST 2021

Date of Issue: 09 September 2021
Job Reference: AL17-274-2

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Environmental Representative: _____
Toby Hobbs – Principal

Report No.: AL17-274 ER August 2021 Report

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APPENDICES

Appendix A Environmental Inspection Report: 10 and 31 August 2021
Appendix B Summary of ER Certifications, Approvals and Consistency Reviews

GLOSSARY OF TERMS AND ABBREVIATIONS

Term	Definition
APRb	Albion Park Rail bypass
CAR	Corrective Action Request
CCS	Community Communication Strategy
CEMP	Construction environmental management plan
CoA	The Planning Minister's conditions of approval
CRSC	Croom Regional Sporting Complex
CRM	Community Relations Manager
dB(A)	Decibel: unit of sound pressure level
DP&E	Department of Planning and Environment (superceded by DPIE in July 2019)
DPI	Department of Primary Industries
DPIE	Department of Planning, Industry and Environment (formerly DP&E)
EIR	Environmental Inspection Report
EIS	Environmental Impact Statement
ER	Independent Environmental Representative nominated by Roads and Maritime Services (TfNSW as of December 2019) and approved by DP&E (DPIE as of July 2019)
EMS	Environmental management system
EPA	NSW Environment Protection Authority
EPL	Environment Protection Licence
ENMM	*Environmental Noise Management Manual* (RTA 2001)
EP&A Act	*Environmental Planning and Assessment Act 1979*
EPBC Act	Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*
ESCP	Erosion and Sedimentation Control Plan
ESM	Environment and Sustainability Manager
EWMS	Environmental Work Method Statement
NOW	NSW Office Of Water
OEH	Office of Environment & Heritage
OEMP	Operational environmental management plan
OOHW	Our of hours works
PESCP	Progressive erosion and sediment control plan
POEO Act	*Protection of the Environment Operations Act 1997*

Term	Definition
(the) Project	Albion Park Rail bypass Stage 2 (Princes Motorway between Yallah and Oak Flats)
Roads and Maritime	Roads and Maritime Services
Secretary	Secretary of DP&E (DPIE as of July 2019)
Stage 1	Stage 1 of the Albion Park Rail bypass (Croom Regional Sporting Complex Reconfiguration)
Stage 2	Stage 2 of the Albion Park Rail bypass (Princes Motorway between Yallah and Oak Flats)
Stage 3	Stage 3 of the Albion Park Rail bypass (Yallah Interchange)
SPIR	Submissions and preferred infrastructure report
SSI	State Significant Infrastructure
TfNSW	Transport for NSW
UDLCS	Urban Design and Landscape Character Strategy

1 INTRODUCTION

This document presents the Environmental Representative's (ER) monthly report for 01 – 31 August 2021 for the works associated with Albion Park Rail bypass (APRb) Stage 2 (Princes Motorway between Yallah and Oak Flats), herein referred to as the "Project".

The Albion Park Rail bypass will provide a 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats and key design features include:

- Two lanes in each direction divided by a median;
- Three interchanges provided at Yallah, Albion Park and Oak Flats connecting the local road network with the motorway;
- Bridges to carry the motorway over Duck Creek, Macquarie Rivulet, Frazers Creek, the Princes Highway, Tongarra Road and the South Coast Rail Line;
- Bridges to carry local roads and ramps over the motorway;
- Bridges to provide improved floodwater conveyance and flood immunity;
- Local road changes or upgrades, including Yallah Road between Larkins Lane and Princes Highway at Yallah, replacing the existing East West Link with the motorway and a new local service road which runs parallel to the motorway on the southern side, connecting the Oaks Flats interchange with Croome;
- Improved pedestrian and cycle connections; and
- Replacement of directly impacted sporting facilities at the Croom Regional Sporting Complex (CRSC), including sporting fields and associated amenities and changes to the southern access of the sporting complex.

Minister's Conditions of Approval (MCoA) were issued by the Minister for Planning, NSW Department of Planning and Environment (DP&E) under Section 115ZB of the *Environmental Planning and Assessment Act 1979* on 30 January 2018. A modification (MOD 1) was approved by DP&E (now the NSW Department of Planning, Industry and Environment [DPIE]) on 25 October 2018 which incorporated a definition of "Heavy vehicle" and replacement of Conditions E51 (Building and Condition Structure Surveys) and E75 (Road Dilapidation Reports).

In accordance with the Project Approval, the Albion Park Rail bypass Project will be delivered in the following three stages:

- Stage 1: Croom Regional Sporting Complex (CRSC) reconfiguration;
- Stage 2: Princes Motorway between Yallah and Oak Flats; and
- Stage 3: Yallah Interchange.

The key features of Stage 2 of the Project, and the subject of this report, include:

- A 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats bypassing Albion Park Rail;
- A central interchange at Albion Park;
- A southern interchange at Oak Flats;
- 13 new bridges;

- Pedestrian and cyclist facilities to improve connectivity; and
- Local road upgrades on Tongarra Road and Yallah Road.

Stage 2 construction works commenced on 07 January 2019 following DP&E's (now DPIE) approval of the Construction Environmental Management Plan (CEMP), inclusive of sub-plans, and the fulfillment of other pre-construction requirements.

Required Environmental Representative (ER) services are listed under the Minister for Planning's Conditions of Approval applicable to the Project. In particular, Condition A22 provides for the appointment of the ER to be approved by the Secretary to provide a range of services related to management issues concerning the environmental performance of the Project.

Mr Toby Hobbs of Vantage Environmental Pty Ltd (Vantage) was appointed by Roads and Maritime Services as the Project ER and endorsed for this role by the Department of Planning and Environment on 08 February 2018. Mr Hobbs is an environmental scientist with approximately 20 years of experience and is accredited as a Principal Environmental Auditor by Global Exemplar.

2 SUMMARY OF SIGNIFICANT WORKS

During the current reporting period the following site-based activities occurred:

- Minor earthworks and drainage construction;
- Placement of asphaltic pavement materials;
- Installation of road furniture, signage and ITS infrastructure;
- Line marking and safety barrier installation;
- Shared path construction;
- Maintenance and installation of environmental controls;
- Installation of at-house noise mitigation measures;
- Landscaping works inclusive of planting, maintenance and weed control; and
- Community liaison and management.

The northbound lanes of the Stage 2 bypass corridor were opened to traffic on 06 August 2021 to facilitate on-going construction and traffic switches associated with the Project.

3 STATUS OF ENVIRONMENTAL DOCUMENT REVIEW

The date of issue of the most recent ER endorsement on the Construction Environmental Management Plan (CEMP) and sub-plans associated with Stage 2 of the Project works is shown on Table 3.1, below. Initial approval of the noted plans was provided by DP&E (now DPIE) between 07 and 21 December 2018. Subsequent DPIE approvals, where required, and/or ER endorsement of the plans following periodic review are also noted on Table 3.1, below.

TABLE 3.1: Summary of ER's Endorsement of CEMP and sub-plans

Plan Name and Details (most recent version)	Date of Issue of ERs Endorsement	Date of DP&E (now DPIE) Approval
Waste and Energy Management (Appendix B7), Rev. 5, 17 March 2020	30 March 2020	N/A: Provided to DP&E (now DPIE) for information only
Contaminated Land Management Sub-plan (Appendix B9), Rev. 5, 16 March 2020	03 April 2020	N/A: Provided to DP&E (now DPIE) for information only
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 11, 16 March 2020	20 March 2020	07 December 2018*
Noise and Vibration Sub-plan (Appendix B3), Rev. 10, 16 August 2021 inclusive of Construction Noise and Vibration Monitoring Program	27 August 2021	07 December 2018
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 12, 01 December 2020	16 December 2020	07 December 2018
Soil and Water Management Sub-plan (Appendix B4), Rev. 10, 23 August 2021 inclusive of Construction Groundwater Monitoring Program and Construction Surface Water Monitoring Program	27 August 2021	09 June 2020
Air Quality Management Sub-plan (Appendix B6), Rev. 9, 16 August 2021 inclusive of Construction Air Quality Monitoring Program	27 August 2021	25 March 2020
Heritage Management Sub-plan (Appendix B5), Rev. 9, 12 March 2020	16 March 2020	29 November 2018*
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 15, 08 January 2021	05 March 2021	29 November 2018*
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 12, 21 June 2019	21 June 2019	21 December 2018
Ancillary Facilities Management Plan, Rev. 9, 09 September 2020	30 September 2020	02 August 2019

*DP&E (now DPIE) approval was subject to further updates which was subsequently addressed

On 06 July 2021, DPIE approved use of the Environmental Management System (EMS) for the Project in accordance with condition D2 of the Infrastructure approval.

Periodic annual review of relevant Sub-plans commenced during March 2021 and was completed during April 2021. Based on the review, Project personnel confirmed no updates to the following Sub-plans were required:

- Heritage Management Sub-plan;

- Flora and Fauna Management Sub-plan;
- Contaminated Land Management Sub-plan; and
- Waste and Energy Management.

Following consultation with regulatory agency representatives (NSW EPA, DPI Fisheries and NRAR) regarding proposed amendments, the following Sub-plans were finalised and endorsed by the ER on 27 August 2021 for re-issue to DPIE for approval:

- Air Quality Management Sub-plan (inclusive of Construction Air Quality Monitoring Program);
- Noise and Vibration Sub-plan (inclusive of Construction Noise and Vibration Monitoring Program); and
- Soil and Water Management Sub-plan (inclusive of Construction Groundwater and Surface Water Monitoring Programs).

4 EVALUATION OF CONSTRUCTION ACTIVITIES

4.1 Site Monitoring

The ER completed one (1) site visit to view Project works on 31 August 2021. The site visit involved an inspection of on-site works as well as an assessment of general compliance with associated Project approval conditions. A second site visit was undertaken by Project personnel on 10 August 2021, however the ER was unable to attend due to COVID-19 restrictions.

Copies of the Environmental Inspection Reports (EIR) that were used to record site observations are presented as Appendix A. The EIR contain an on-site checklist developed by TfNSW that allow for the systematic recording of on-site environmental issues, observations of concerns and/or potential non-conformities.

The personnel who attended the site visits are listed below.

Date of Site Visit	Personnel Present
10 August 2021	Peter Chudleigh (TfNSW) and Jacob Cooper (Fulton Hogan)
31 August 2021	Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)

Key items discussed and viewed during the August 2021 site visits included:

- Transition to operation of the Project;
- Maintenance of environmental controls;
- Shared path construction and re-use of materials;
- Ancillary facility decommissioning and rehabilitation;
- Waste management and removal of redundant environmental controls;
- Environmental monitoring results;
- Progress of revegetation works; and
- Community consultation.

4.2 Independent Auditing

In accordance with Infrastructure approval conditions A33 to A37 and the approved CEMP, independent environmental auditing for the Project is being undertaken in accordance with *ISO 19011:2014 - Guidelines for Quality and/or Environmental Management Systems Auditing*.

The second annual audit was undertaken during October 2020 and covered the period from the first audit on 13-14 November 2019 to 13-14 October 2020, which is consistent with the requirement of Infrastructure Approval Condition A36 for an annual audit. The findings of the audit are discussed in the ER's November 2020 report. The audit report was submitted to DPIE on 27 November 2020 and correspondence was received from DPIE on 11 December 2020 acknowledging receipt of the audit and comment that the Department considered the audit report to generally satisfy the reporting requirements of the Consent.

The next independent environmental audit is due to be completed in October/November 2021 at which time the Project is expected to be in operational configuration with the majority of construction activities complete.

4.3 Site Issues

No significant environmental issues were noted by the ER during August 2021 and there were no (0) non-conformities or reportable incidents identified with respect to the Infrastructure approval.

Following the site visits of 10 and 31 August 2021, the Environmental Inspection Report status of the site was reported as "green" because environmental controls in those areas of the site that were reviewed were deemed to be generally appropriate and consistent with Project Approval requirements.

A total of 73.6mm of rainfall was recorded at the Albion Park (Shellharbour Airport, Station 068241) Bureau of Meteorology weather station during August 2021, which was slightly higher than the average reported rainfall for August of 59.1mm for the same weather station. Most of the rainfall for August 2021 (71.0mm) occurred from a storm event of 24-25 August 2021. As the majority of the site was either paved or stabilised with good levels of vegetative cover, there were no significant site issues associated with the rainfall event.

4.4 Community Consultation and Complaints Register

To assess the outcome of the Project community consultation and complaints registration process, the ER held periodic discussions with TfNSW and Fulton Hogan personnel and completed a review of the content of the Project complaints register. The system is used to record and manage issues related to community consultation and feedback, inclusive of complaints related to environmental performance during construction works. The system has been designed to log standardised details of any complaints associated with the Project with a rapid response mechanism to provide further information to potential complainants.

There was no complaints received during the current reporting period that related to environmental management matters associated with construction. One (1) enquiry was received regarding operational noise concerns associated with the Project.

Liaising with a number of properties in relation to required "at-house noise treatment" (AHNT) continued during the reporting period, however due to ongoing COVID-19 restrictions, AHNT and post-construction building condition inspections could not be conducted.

During the current reporting period, OOHW continued to be conducted in accordance with Section L4.4 of the Project EPL and it is understood that Fulton Hogan personnel advised EPA, the Transport

Management Centre (TMC) and potentially impacted receivers of all OOHW prior to commencement of works.

A general notification to residents of scheduled OOHW for August 2021 was delivered to nearby residents posted to the Project website at the following web address:

https://roads-waterways.transport.nsw.gov.au/projects/01documents/albion-park-rail-bypass/aprb-oohw-notification-08-2021.pdf

On-going consultation with stakeholder groups, agency representatives and residents within the area of the Project corridor regarding upcoming works were also completed by TfNSW and Fulton Hogan during the current reporting period. The community display centre has been closed since 29 June 2021 due to COVID-19 restrictions.

Web-based Project information continues to be available at the following web address:

https://www.rms.nsw.gov.au/projects/albion-park-rail-bypass/index.html

The "Latest News" section of the website provided information regarding the following:

- Opening of the Princes Motorway northbound lanes (including a link to a video explaining traffic changes); and
- Out of Hours Work to be completed in August 2021.

Project personnel also reported that a sponsored campaign with a time-lapse video regarding the opening of the northbound lanes was posted on the NSW Roads Facebook page and reached over 57,000 people with many positive comments.

A Project update was released in July 2021 which discussed the following topics:

- Update of Project works since release of previous update in April 2021;
- Works at Albion Park interchange at Tongarra Road;
- Discussion of traffic flow at Oak Flats interchange;
- Upcoming traffic changes including opening of Prices Motorway northbound lanes; and
- Photos from the June community event to celebrate partial opening of the Project and May community information session.

The July 2021 Project update can be viewed at the following web address:

https://roads-waterways.transport.nsw.gov.au/projects/01documents/albion-park-rail-bypass/aprb-project-update-07-2021.pdf

Based on the ER's review of community consultation and complaints handling, it is considered that the DPIE-approved Community Communication Strategy continues to be effectively implemented and there is a strong focus on proactive community engagement.

4.5 Implementation, Effectiveness and Level of Compliance with Project CEMP and Approval Conditions

There were no (0) non-compliance issues identified during the reporting period with respect to the Infrastructure approval and implementation of associated construction-related management strategies.

No (0) reportable environmental incidents, as defined in accordance with Infrastructure approval condition A38, occurred during the reporting period.

The Construction and Pre-operation Compliance and Monitoring Report, covering the period of 08 January to 07 July 2021, was endorsed by the ER on 26 August 2021 and submitted to DPIE.

On 26 August 2021, DPIE approved the Project Biodiversity Offset Package (Rev. D, 22 July 2021) which was submitted to the Department on 26 July 2021 in accordance with condition E13 of the Infrastructure approval.

4.5.1 Aviation Management Plan

The ER endorsed the most recent update (version 8) of the Aviation Management Plan (AMP) for Shellharbour Airport (inclusive of Aviation Method of Working Plan [MoWP]) on 27 July 2021 following the authorisation of the Airport operator.

The Wings over Illawarra air show is currently scheduled to be held on 27-28 November 2021 and liaison with the event organisers, Airport operator and the Project team will continue as necessary to ensure construction works will not adversely impact the proposed show.

4.6 Review of Corrective/Preventative Measures

There are currently no (0) ER-issued Corrective Action Requests (CARs) outstanding on the Project.

4.7 Requested Changes to Project CEMP

There were no (0) requested changes to the Project CEMP during the current reporting period.

5 SITE INDUCTION PROCESS

The ER conducted a detailed review of the content of the site induction for Project works during July 2021. Based on the review it was deemed that the induction content continued to provide relevant and practical information related to environmental management commitments and requirements.

It is expected that this will be the last induction review as construction activities are nearing completion and unlikely to extend beyond January 2022 when the next review would fall due.

6 MEETINGS

6.1 Environmental Review Group

The eighth Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 8) was held on 23 March 2021. Due to the COVID-19 pandemic social distancing measures, the meeting was held virtually via MS Teams. The meeting involved an open discussion with attending ERG Members as well as representatives of Transport for NSW and Fulton Hogan management, construction and environment teams.

The final ERG meeting (Meeting No. 9) has been scheduled for 07 September 2021.

7 DOCUMENTATIO ISSUED BY THE ER

7.1 Corrective Action Requests

No ER-issued Corrective Action Requests (CARs) were raised during the current reporting period.

7.2 Certifications and Endorsements

A summary of ER Certifications, Approvals and Consistency Reviews associated with the Project that have been issued is provided within Appendix B of this report.

7.3 Directions/Advice/Requests

During the current reporting period, the ER provided written and verbal correspondence to Fulton Hogan and TfNSW personnel regarding environmental management strategies associated with the Project.

8 ADDITIONAL SERVICES DIRECTED BY TRANSPORT FOR NSW SERVICES

There were no additional services directed during the current reporting period.

9 DOCUMENTATION RECEIVED FROM TRANSPORT FOR NSW AND OTHER PARTIES

During the current reporting period, the ER received correspondence from TfNSW and Fulton Hogan relating to the following:

- Results of on-going environmental and compliance monitoring;
- Finalised version of the Construction and Pre-operation Compliance and Monitoring Report covering the period of 08 January to 07 July 2021;
- Consistency assessment documentation;
- Periodic revision of the CEMP Sub-plans;
- Scheduled Out of Hours Work to be completed in accordance with the Project Environmental Protection Licence;
- Information associated with the close-out of issues identified during routine site visits as documented on the Environmental Inspection Reports (EIR); and
- Community consultation and complaints handling information.

10 CLOSING COMMENTS

No significant environmental issues were noted by the ER during August 2021 and there continued to be an excellent level of compliance with Infrastructure approval conditions, management plan commitments and EPL conditions.

11 LIMITATIONS

This report has been prepared in accordance with NSW Department of Planning, Industry and Environment requirements and guidelines. While all reasonable attempts have been made to ensure the accuracy of the content of this report, Vantage Environmental Management Pty Ltd excludes implied warranties and conditions to the extent legally permissible.

The information and assumptions presented within this report, inclusive of evaluation of construction activities and compliance, are based on viewed site conditions and information provided by TfNSW, their contractors and consultants as well as other stakeholders. Liability arising from any of the

assumptions being incorrect is disclaimed and no responsibility will be taken for any damage or loss that may occur through either the use or reliance of the content of this document for purposes other than for which it was prepared.

This report should be considered in its entirety and not relied on, released to, or duplicated by third parties in whole or in part without the permission of Transport for NSW, the NSW Department of Planning, Industry and Environment and Vantage Environmental Management Pty Ltd.

Appendix A

Environmental Inspection Report:

10 August 2021

31 August 2021

ENVIRONMENTAL INSPECTION REPORT

PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats) **WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan (FH)	**DATE OF INSPECTION:** 10 August 2021 **ATTENDEES:** Peter Chudleigh (TfNSW), Jacob Cooper (FH)	**WEATHER CONDITIONS:** Fine 23°C **PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes	**STATUS:** Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Fill 8	Drainage works nearing completion with topsoil spread over areas and awaiting stabilisation by final hydromulching. Please continue to remove waste from material being placed in the topsoil borrow area in accordance with the WEMP. Action: FH to remove waste from fill material prior to placing and compacting in topsoil borrow area and dispose of in accordance with the WEMP. 	ESC-DAU WAS	Low	Waste emu picked prior to topsoiling, progressive stabilisation evidence in reducing footprint in this area after waste was removed: 	20/8/21

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE

ENVIRONMENTAL INSPECTION REPORT

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
2	Tongarra Rd onload ramp	Pavement and drainage works and topsoiling progressing well. Please monitor effectiveness of bund at outlet of LWQB prior to rainfall events whilst works in progress and LWQB being used as sediment trap. Topsoiled areas require stabilisation via final hydromulching. Some minor pieces of waste evident to be managed in accordance with the WEMP.	WAS ESC-DAU	Low	Construction material removed. Bund completed to design prior to rainfall Area hydromulched 	20/8/21

ENVIRONMENTAL INSPECTION REPORT

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
3	Croome Rd splash crossing	 Works complete and to a very high standard. Please sweep crossing and remove redundant controls once areas suitably stabilised.	GEN-POS	Low	Crossing swept prior to rainfall 	20/8/21

ENVIRONMENTAL INSPECTION REPORT

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
4	Southern tie in adjacent Oak Flats int'change	 Drainage works under existing pavement about to commence with pavement milling underway. Action: FH to complete and issue ERSED plan and HP release request prior to works commencing.	DOC-ESP	Low	PESCP submitted	24/8/21

ENVIRONMENTAL INSPECTION REPORT

PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats) **WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan (FH)	**DATE OF INSPECTION:** 10 August 2021 **ATTENDEES:** Peter Chudleigh (TfNSW), Jacob Cooper (FH)	**WEATHER CONDITIONS:** Fine 23°C **PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes	**STATUS:** Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Gate 19	 Topsoiling and stabilisation of ancillary site at Gate 19 almost complete and progressing well. Topsoiled areas to be stabilised via final hydromulching. Some minor waste evident in fill material yet to be placed and compacted. Action: FH to remove waste from fill material prior to placing and compacting and dispose of in accordance with the WEMP.	Low Low Low/Med	ESC WAS AIR-USD	Waste removed, supervisor advised watercart was on it's way at the time of inspection and hydromulch completed 	17/8/21

ENVIRONMENTAL INSPECTION REPORT

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
		Some potential for dust to be generated due to hauling over material and truck turning movements. Please monitor dust generation and manage in accordance with AQMP.				

ENVIRONMENTAL INSPECTION REPORT

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE

Issued by: Peter Chudleigh	**Issued to:** Jacob Cooper (FH) **Date:** 18 August 2021	**Copy to:** Warren Blacka (TfNSW), Steve Lappin (TfNSW), Graham Roche (TfNSW), Shannon Chisholm (Fulton Hogan), Toby Hobbs (Vantage Environmental Management)

LEGEND

RECOMMENDED TIMEFRAMES FOR RISK RATING FOR COMPLETION OF ACTIONS

ENVIRONMENTAL INSPECTION REPORT

URGENT	To be addressed straight away and closed out on the day of inspection
HIGH	Within 24hrs*****
MEDIUM	Within 3 Working Days*****
LOW	Within 5 Working Days*****

***** To be completed sooner if adverse weather conditions predicted

[1] The format of this Environmental Inspection Report is based on the TfNSW (former) *RMS Guidance Note: Environmental Inspection Reporting (June 2015)*

ENVIRONMENTAL STATUS	
Red	• actions required to address urgent risk issues. • satisfactory actions not taken for high risk issues identified on the previous inspection. • a Category 1 incident has been identified during the inspection.
Amber	• actions required to address high and/or medium risk issues. • satisfactory actions not taken for previous medium or low risk issues on the previous inspection.
Green	• actions required to address low risk issues that will not directly cause environmental harm. • site demonstrates good environmental management with no action required to avoid environmental harm.

ENVIRONMENTAL INSPECTION REPORT[1]

VANTAGE ENVIRONMENTAL MANAGEMENT

PROJECT: Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats) **WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan (FH)	**DATE OF INSPECTION:** 31 August 2021 **ATTENDEES:** Peter Chudleigh (TfNSW), Jacob Cooper (Fulton Hogan) and Toby Hobbs (Vantage)	**WEATHER CONDITIONS:** Clear and sunny, 19°C **PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes	**STATUS:** Green

NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Bridge 8 to Bridge 9	Shared path construction in progress. Waste and materials for re-use being continue to managed in accordance with WEMP. Stabilisation in accordance with SWMP has been conducted with remaining areas scheduled to be completed within 5 days. Final drainage channel and diversion works in progress. Please ensure water quality controls continue to be in place for these works. 	GEN-WAS ESC-ESNM	Low		

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
2	Tongarra Road/ Bridge 10	Good waste segregation evident as part of final site works. Outlet works for longitudinal drainage basin in progress. Appropriate controls in place. 	GEN-POS	N/A		

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
3	Frazers Creek #3	Landscape outcomes are excellent and water quality in creek channel appears high; well done. Some minor finishing to batter chute required. Redundant er/sed controls have been removed.	GEN-POS	N/A		

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4	East West Link noise mound	Some additional vegetative cover required despite successful propagation of native species. FH confirmed specific areas will be re-sprayed with groundcover crop to ensure appropriate stabilisation. 	ESC-DAU	Low		

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Cut 5/ Bridge 13	Topsoil and hydro-mulch of median and batters complete. Some minor batter scour evident following recent rains will require repair in accordance with SWMP. Good use of temporary controls to minimise potential scour on eastern perimeter of works. 	ESC-DAU	Low		

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6	Oak Flats Interchange	Temporary stabilisation of recent drainage pit works required in accordance with ESCP and SWMP. Please ensure controls in prior to next forecast rain event.	ESC-DAU	Low to medium		

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7	Grevillea Street basin area	Rehabilitation of works area nearing completion with topsoil in place and initial hydro-seeding complete. Additional hydro-seeding will be required along with decommissioning of access tracks and gate. Some maintenance to exclusion zone fencing required in accordance with FFMP. Some minor unsuitable materials to be removed from topsoil. 	FF-LCND	Low		

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8	Ancillary site AS#14	Site has been decommissioned and lease relinquished. Required rehabilitation completed in accordance with AFMP. 	GEN-POS	N/A		

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
9	Bridge 7/ Old Illawarra Highway	General tidy-up and rehabilitation in progress. Additional temporary controls suggested for drainage inverts and disturbed batter areas in accordance with ESCP and SWMP. Please provide update of close-out actions for this area prior to 03 September 2021.	ESC-DAU	Low to medium	Bunds repaired after the flood event, drain hydromulched	3/9/21

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Issued by: Toby Hobbs Environmental Representative	**Issued to:** Jacob Cooper Fulton Hogan **Date:** 31 August 2021	**Copy to:** Warren Blacka (TfNSW), Peter Hawkins (TfNSW), Steve Lappin (TfNSW), Mick LeCerf (TfNSW), Graham Roche (TfNSW), Stuart Smith (TfNSW), Peter Chudleigh (TfNSW), Shannon Chisholm (Fulton Hogan) and Tom Dewhurst (Fulton Hogan).

LEGEND

ENVIRONMENTAL INSPECTION REPORT[1]

VANTAGE ENVIRONMENTAL MANAGEMENT

RECOMMENDED TIMEFRAMES FOR RISK RATING FOR COMPLETION OF ACTIONS	
URGENT	To be addressed straight away and closed out on the day of inspection
HIGH	Within 24hrs*
MEDIUM	Within 3 Working Days*
LOW	Within 5 Working Days*

* To be completed sooner if adverse weather conditions predicted

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Red	• actions required to address urgent risk issues. • satisfactory actions not taken for high risk issues identified on the previous inspection. • a Category 1 incident has been identified during the inspection.
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Appendix B

Summary of ER Certifications and Approvals

APRB Stage 2 Infrastructure Approval Reporting Requirements

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Staging Report, Rev. 0, 09 February 2018	15 February 2018	Yes
Compliance Tracking Program, Rev. 0, 09 February 2018	16 February 2018	Yes
Unexpected Heritage Items – Heritage Procedure 02, November 2015	29 June 2018	Yes
Complaints Management System, Rev. 3, 10 September 2018	17 September 2018	Yes
Environmental Audit Program, Rev. 4, 18 September 2018	20 September 2018	Yes
Pre-Construction Compliance Report, Rev. 5, 02 October 2018	02 October 2018	Yes
Sustainability Strategy, Rev. 1, 02 October 2018	08 October 2018	Yes
Waste and Energy Management (Appendix B7), Rev. 4, 12 October 2018	12 October 2018	Yes
Contaminated Land Management Sub-plan (Appendix B9), Rev. 4, 10 December 2018	12 October 2018	Yes
EWMS 1: Geotechnical Investigation and Services Potholing, Rev. 10a, 29 October 2018	29 October 2018	Yes
Incident and Emergency Response Plan, Rev. 3, 07 November 2018	08 November 2018	Yes
Community Communication Strategy, Rev. 6, 13 November 2018	13 November 2018	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 6, 12 November 2018 inclusive of Construction Noise and Vibration Monitoring Program	13 November 2018	Yes
EWMS 3: Site Compound AS06 Establishment, Rev. 2, 16 November 2018	22 November 2018	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 9, 28 November 2018	27 November 2018	Yes
EWMS 5: Aboriginal Artefact Salvage Works, Rev. 1, 03 December 2018	04 December 2018	Yes
EWMS 4: Structural Demolition and Asbestos Removal Work, Rev. 1, 05 December 2018	05 December 2018	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 9, 04 December 2018	05 December 2018	Yes
Soil and Water Management Sub-plan (Appendix B4), Rev. 8, 03 December 2018 inclusive of Construction Groundwater Monitoring Program and Construction Surface Water Monitoring Program	05 December 2018	Yes
Air Quality Management Sub-plan (Appendix B6), Rev. 7, 05 December 2018 inclusive of Construction Air Quality Monitoring Program (Approval of the monitoring program requirements only)	05 December 2018	Yes
Heritage Management Sub-plan (Appendix B5), Rev. 8, 05 December 2018	05 December 2018	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 11, 10 December 2018	10 December 2018	Yes
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 11, 10 December 2018	10 December 2018	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 5, 17 December 2018	17 December 2018	Yes
Operational Noise Mitigation Report, Rev. 2, 11 December 2018	23 January 2019	Yes
Urban Design and Landscape Character Strategy, Rev. D, 20 December 2018	04 February 2019	Yes
Flood Mitigation Measures Review (Flooding and Scour Assessment, Rev. 3, 18 December 2018)	04 February 2019	Yes
Division 5.2 and EPBC Act Approval Consistency Assessment Report – Yallah Road Underpass (Rev. 3 May 2019)	03 May 2019	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Main Site Compound Pedestrian and Cycle Access Provisions (May 2019)	16 May 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Proposed Property Access Roads (June 2019)	07 June 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Proposed Extension to Illawara Hwy Shared Path (May 2019)	24 May 2019	Yes
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 12, 21 June 2019	21 June 2019	Yes
Ancillary Facilities Management Plan, Rev. 8, 26 July 2019	29 July 2019	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 8, 23 August 2019 inclusive of Construction Noise and Vibration Monitoring Program	23 August 2019	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 10, 19 August 2019	23 August 2019	Yes
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Tongarra Road Drainage Channel Extension (September 2019)	11 September 2019	Yes
Construction Compliance and Monitoring Report, Report 1 (7 January 2019 – 7 July 2019), Rev. 2, 27 September 2019	27 September 2019	Yes
Construction Compliance and Monitoring Report, Report 1 (7 January 2019 – 7 July 2019), Rev. 3, 27 September 2019	22 October 2019	Yes
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Splash Crossing Access Road, Oak Flats Interchange (October 2019)	28 October 2019	Yes
Division 5.2 and EPBC Act Approval: Consistency Assessment Report – Croome Road Shared User Path Extension (November 2019)	09 December 2019	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report – Yallah Road Pathway Extension (November 2019)	12 December 2019	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 13, 22 November 2019	23 January 2020	Yes
Division 5.2 Approval: Consistency Assessment Report – Signage (February 2020)	24 February 2020	Yes
Air Quality Management Sub-plan (Appendix B6), Rev. 8, 20 February 2020 inclusive of Construction Air Quality Monitoring Program (Approval of the monitoring program requirements only)	26 February 2020	Yes
Construction Compliance and Monitoring Report, Report 2 (08 July 2019 – 07 January 2020), Rev. 2, 05 March 2020	05 March 2020	Yes
Heritage Management Sub-plan (Appendix B5), Rev. 9, 12 March 2020	16 March 2020	Yes
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 11, 16 March 2020	20 March 2020	Yes
Soil and Water Management Sub-plan (Appendix B4), Rev. 9 27 April 2020	11 May 2020	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 6 02 April 2020	13 May 2020	Yes
Division 5.2 Approval: Consistency Assessment Report – Additional Line and Pavement Marking (April 2020)	17 May 2020	Yes
Community Communication Strategy, Rev. 7, 15 June 2020	17 June 2020	Yes
Biodiversity Offset Package, Rev. C, June 2020	22 June 2020	Yes
Division 5.2 Approval and EPBC Act Approval: Consistency Assessment Report – Princes Highway Lane Reconfiguration and Durgadin Drive Intersection Upgrade, Oak Flats (June 2020)	23 June 2020	Yes
Sustainability Strategy, Rev. 2, July 2020	29 July 2020	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Division 5.2 Approval: Minor Consistency Assessment – Croome Road Shared User Pathway Extension Additional Works (July 2020)	28 July 2020	Yes
Division 5.2 Approval: Minor Consistency Assessment – Property Access off Tongarra Road (August 2020)	07 August 2020	Yes
Construction Compliance and Monitoring Report, Report 3 (08 January 2020 – 07 July 2020), Rev. 1, 27 August 2020	27 August 2020	Yes
Ancillary Facilities Management Plan, Rev. 9, 09 September 2020	30 September 2020	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 11, 28 September 2020	30 September 2020	Yes
Noise and Vibration Sub-plan (Appendix B3), Rev. 9, 28 September 2020 inclusive of Construction Noise and Vibration Monitoring Program	30 September 2020	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 7, 21 August 2020	16 October 2020	Yes
Division 5.2 Approval: Minor Consistency Assessment – Property Fencing Work (October 2020)	22 October 2020	Yes
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 12, 01 December 2020	16 December 2020	Yes
Construction Compliance and Monitoring Report, Report 4 (08 July 2020 – 07 January 2021), Rev. 1, 24 February 2021	25 February 2021	Yes
Site Audit Statement No. 1508-1904 (25 February 2021)	02 March 2021	Yes
Site Audit Report 1508-1904 Albion Park Bypass Princes Highway, Yallah NSW 2530 (26 February 2021, Ref. 19040)	02 March 2021	Yes
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 15, 08 January 2021	05 March 2021	Yes

Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
Biodiversity Offset Package, Rev.D, 16 July 2021	23 July 2021	Yes
Aviation Management Plan (incl. Method of Working Plan), Rev. 8, 23 July 2020	27 July 2021	Yes
Division 5.2 and EPBC Act Approval: Minor Consistency Assessment Report - Tongarra Road Pavement Level Increase	24 August 2021	Yes
Construction and Pre-operation Compliance and Monitoring Report, Report 5 (08 January – 07 July 2021), Rev. 1, 19 August 2021	26 August 2021	Yes
Noise and Vibration Management Sub-plan (NVMP) - Revision 10, 16 August 2021	27 August 2021	Yes
Air Quality Management Sub-plan (AQMP) - Revision 9, 16 August 2021	27 August 2021	Yes
Soil and Water Management Sub-plan (SWMP) – Revision 10, 23 August 2021	27 August 2021	Yes

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