

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

**ENVIRONMENTAL REPRESENTATIVE'S  
MONTHLY REPORT – JANUARY 2020**

Date of Issue: 11 February 2020

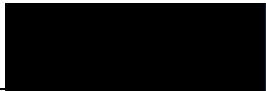
Job Reference: AL17-274-2

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

### ENVIRONMENTAL REPRESENTATIVE'S MONTHLY REPORT – JANUARY 2020

Date of Issue: 11 February 2020



Job Reference: AL17-274-2

Environmental Representative: 

Toby Hobbs – Principal

Report No.: AL17-274 ER January 2020 Report

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## 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DP&E	Department of Planning and Environment (superceded by DPIE in July 2019)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	<i>Environmental Noise Management Manual (RTA 2001)</i>
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>
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	<i>Protection of the Environment Operations Act 1997</i>

<b>Term</b>	<b>Definition</b>
(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 January 2020 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:

- Bulk earthworks including development of cuts and placement of fill materials;
- Paving, fencing and installation of road furniture for the new East West Link road and Yallah Road (next section expected to be open to traffic in mid-February 2020);
- Piling and bridge works;
- Installation of box culverts and drainage pipes;
- Installation of traffic lights at the intersection of Woollybutt Drive, Nehme Avenue and the Princes Highway (testing to be completed prior to commencement of use of new traffic signals);
- Stabilisation and re-vegetation of the Green Meadows detention basin;
- Maintenance and installation of environmental controls including sediment basins, clean-water diversion drains and stabilised site access points;
- Remedial works to manage potentially contaminated materials;
- Installation of at-house noise mitigation measures;
- Community liaison; and
- Utility adjustments.

## 3 STATUS OF ENVIRONMENTAL DOCUMENT REVIEW

The date of issue of 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. During December 2019, the Project team commenced periodic review of the CEMP and sub-plans in accordance with Infrastructure approval condition C2(l).

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

Plan Name and Details	Date of Issue of ERs Endorsement	Date of DP&E (now DPIE) Approval
Waste and Energy Management (Appendix B7), Rev. 4, 12 October 2018	12 October 2018	N/A: Provided to DP&E (now DPIE) for information only
Contaminated Land Management Sub-plan (Appendix B9), Rev. 4, 12 October 2018	12 October 2018	N/A: Provided to DP&E (now DPIE) for information only
Flora and Fauna Management Sub-plan (Appendix B2), Rev. 10, 14 December 2018	14 December 2018	07 December 2018*
Noise and Vibration Sub-plan (Appendix B3), Rev. 6, 12 November 2018 inclusive of Construction Noise and Vibration Monitoring Program	23 August 2019	07 December 2018
Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 9, 04 December 2018	23 August 2019	07 December 2018
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	07 December 2018
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	07 December 2018
Heritage Management Sub-plan (Appendix B5), Rev. 8, 05 December 2018	05 December 2018	29 November 2018*
Traffic and Transport Management Sub-plan (Appendix B1), Rev. 9, 13 November 2018	10 December 2018	29 November 2018*
Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 12, 21 June 2019	21 June 2019	21 December 2018 (approved for first 6 months of construction then update required)
Ancillary Facilities Management Plan, Rev. 8, 26 July 2019	29 July 2019	02 August 2019

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



## 4 EVALUATION OF CONSTRUCTION ACTIVITIES

### 4.1 Site Monitoring

The ER completed two (2) site visits to view the Project works on 14 and 29 January 2020. The site visits involved an inspection of on-site works as well as an assessment of general compliance with associated Project Approval conditions.

Copies of the Environmental Inspection Reports (EIR) that were used to record site observations are presented as Appendix A. The EIRs 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
14 January 2020	Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage). Site Superintendents also attended at key locations
29 January 2020	Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage). Site Superintendents also attended at key locations.

Key items discussed and viewed during the site visits of January 2020 included:

- The good outcomes of site management over the holiday shut-down period;
- Weed control within the Project corridor;
- General housekeeping, waste management and maintenance of erosion/sedimentation controls;
- Management of works within and adjacent to waterways in accordance with relevant Environmental Work Method Statement (EWMS) content;
- Maintenance of construction access gates to reduce potential for drag-out/mud-tracking;
- Dust control at the site of the northern and southern rock-cut/excavation areas (Cut 1 and Cut 5) and in the vicinity of Grevillea Street;
- Implementation of the Project Aviation Management Plan including identification and protection of Obstacle Limitation Surfaces (OLS);
- Maintenance of exclusion zone fencing and signage;
- Installation of at-house noise mitigation measures; and
- Community consultation and complaints handling.

### 4.2 Independent Auditing

In accordance with Infrastructure approval conditions A33 to A37 and the approved CEMP, independent environmental auditing for the Project is undertaken in accordance with *ISO 19011:2014 - Guidelines for Quality and/or Environmental Management Systems Auditing*. The first audit, covering the initial period of construction, was undertaken on 14 and 15 November 2019 which is consistent with the requirement of condition A36 to conduct the first audit within 12 months of commencing works. The

audit was conducted by a team of appropriately qualified and experienced auditors from SNC Lavalin and covered the following scope:

- Assessment of the environmental performance of the SSI, and its effects on the surrounding environment;
- Assessment of whether the Project is complying with the terms of the Infrastructure approval;
- Review of the adequacy of any document required under the Infrastructure approval; and
- Provision of recommended measures or actions to improve the environmental performance of the SSI, and improvements to any document required under the Infrastructure approval.

The report associated with the audit was issued to DPIE on 19 December 2019.

The next independent environmental audit is due to be completed in November/December 2020 and will cover the period of construction between November 2019 and November 2020.

### 4.3 Site Issues

A generally high standard of environmental management associated with construction activities was noted during January 2020 with works deemed to be generally consistent with management plan commitments as well as EPL and Infrastructure approval conditions. The NSW Environment Protection Authority (EPA) representative that was present for the site visit of 14 January 2020 did not identify any significant issues related to environmental management or non-compliance matters with the Project Environmental Protection Licence (EPL).

A total of 73.4mm of rainfall was recorded at the Albion Park (Wollongong Airport) Bureau of Meteorology weather station during January 2020, which is nearly equal to the average reported rainfall for January of 74.4mm for the same weather station. The amount of rainfall during January 2020 was greater than that received during previous months which resulted in an improvement in the strike rate of recently hydro-mulched areas and also aided in the establishment and growth of other landscaped areas.

With a return to near average rainfall conditions during the reporting period there were less dust-related management issues, although on several days dry and windy conditions prevailed which required the use of additional watercarts to aid in dust suppression. Areas where no active work was occurring continued to be stabilised with soil-binder in conjunction with application of hydro-mulch where possible.

Following the site visits of 14 and 29 January 2020, 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 appropriate and consistent with regulatory and Project approval requirements.

There were no (0) non-conformities or reportable incidents identified by the ER with respect to the Infrastructure approval and Environment Protection Licence (EPL) requirements during the current reporting period.

During January 2020 there were three (3) non-reportable incidents that related to unexpected waste asbestos finds that were subsequently managed in accordance with Appendix B9 of the CEMP: Contaminated Land Management Sub-plan and the *Unexpected Contaminated Land and Asbestos Finds Procedure* prepared to satisfy Infrastructure approval condition E60.

#### 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 review of the content of the Project complaints register system, known as “Consultation Manager”, which is in use during construction of the Project. The system is used to record and manage issues related to community consultation and feedback, inclusive of complaints related to the 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 were no (0) complaints received by the Project community liaison team during the current reporting period that related to environmental management matters during standard working hours. One (1) comment was received that related to traffic management issues (site access) that were perceived to be related to the construction of the Project. The TfNSW Project team visited the site to ensure trucks were following the correct procedures for entering and exiting the site gates and the issue was discussed in the toolbox meeting the next day.

There was (1) complaint associated with Environmental Protection Licence-approved Out of Hours Works during the current reporting period related to light spill from bridge night works. The Fulton Hogan and TfNSW project teams contacted the foreman on night shift and adjustments to lighting were made to minimise impacts on local residences without increasing risks to road users.

Based on the information received from TfNSW and Fulton Hogan, it is considered that the above noted complaint was managed appropriately and that the complainant was satisfied with the outcomes.

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. This correspondence was noted within the Consultation Manager database.

The most recent community information session was held on 15 January 2020 at the Project’s site office in Albion Park Rail to provide residents and stakeholders with an update on Project progress, an opportunity to meet the Project team and ask any relevant questions. The session was well attended and it’s understood that positive feedback was received regarding the content and format of the session. Overall, it is considered that the range of community consultation strategies that have been implemented for the Project are functioning well.

Web-based Project information is available at the following web address:

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

A Project update was released for January 2020 which discussed the opening of the next section of the East West Link in February, management of dust during construction, bridge construction, pre-employment and work experience programs, a review of works completed in 2019 and the opening of Yallah Road. Information regarding an update to the Project website to include videos regarding Project activity, initiatives and aerial images was also provided. The Project update can be viewed at the following web address:

<https://www.rms.nsw.gov.au/projects/01documents/albion-park-rail-bypass/albion-park-rail-bypass-project-update-2020-01.pdf>

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

Based on the ER's review, site visits and consultation undertaken in January 2020, it is considered that site works and management practices were generally consistent with CEMP commitments and Infrastructure approval conditions. The outcomes of the most recent independent environmental audit, conducted during November 2019, provided further verification of the positive compliance status of the Project.

There were no (0) reportable environmental incidents, as defined in accordance with Infrastructure approval condition A38, during the current reporting period and the NSW EPA representative that was present for the site visit of 14 January 2020 did not identify any significant issues related to environmental management or non-compliance matters with the project EPL.

The first Construction Compliance Report, which covered the first six (6) months of construction from 07 January 2019 to 07 July 2019, was endorsed by the ER on 24 October 2019 prior to issue to DPIE. The second Construction Compliance Report, covering the period of 08 July 2019 to 07 January 2020, is current being prepared.

### 4.5.1 Aviation Management Plan

During January 2020, crane operations which temporarily penetrated airport Approach and Obstacle Limitation Surfaces continued at Yallah in accordance with an approval issued by the Civil Aviation Safety Authority (CASA) Air Navigation, Airspace and Aerodromes Branch. Photo 1, below, shows the site of the bridge over Macquarie Rivulet at Yallah, which is currently under construction.



**Photo 1:** View of the construction activities associated with the new bridge (Bridge No. 5) over Macquarie Rivulet at Yallah during January 2020. Works at this location have been conducted in accordance with the approval issued by the Civil Aviation Safety Authority (CASA) Air Navigation, Airspace and Aerodromes Branch on 05 December 2019.

#### 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

One (1) change to the Construction Environmental Management Plan (CEMP) Air Quality Management Plan (AQMP) has been currently requested by the Project team. The change relates to criteria and reporting associated with 2.5µm particulate monitoring (PM<sub>2.5</sub>). The AQMP will be resubmitted to the Secretary of DPIE for approval of the proposed change.

During December 2019, the Project team commenced periodic review of the CEMP and sub-plans in accordance with Infrastructure approval condition C2(l) and it is expected that this review will be completed during February 2020.

## 5 SITE INDUCTION PROCESS

The ER conducted a detailed review of the content of the site induction for Project works during January 2020. Based on the review it was deemed that the induction content placed an adequate emphasis on environmental management priorities and requirements for the Project.

In summary, it is noted that the site induction program contains the following key information:

- Acknowledgement of Country;
- Why there is a need to protect the environment;
- The duty of care and penalties for not complying (both for individuals and companies);
- Airspace protection requirements including Obstacle Limitation Surface (OLS) and critical locations overview;
- Unidentified finds protocols with a focus on asbestos identification and management;
- Environmental documents including Approvals, Licences, the CEMP, EWMS and PESCPs;
- Approved working hours and management of Out of Hours Works;
- The Fulton Hogan “Green Rules” to help ensure environmental compliance:
  - Keep all work inside the boundary
  - Report all incidents and unexpected finds
  - Obtain approval to work out of hours
  - Follow the permit system (permit to discharge water, permit to remove vegetation and trees, permit to work in waterways and permit to apply bitumen seal)
  - Personnel must have a plan to manage site water
  - Personnel must manage noise and dust at the work location (manage noise at the work site, manage dust at the work site and respect neighbours)
  - Personnel must lawfully manage waste
- Management of Aboriginal and non-Aboriginal heritage;
- Exclusion zone fencing and working within approved Project boundaries;
- Critically endangered vegetation zones and associated management requirements;

- Flora and fauna management;
- Permits to discharge water, clear and grub or work in waterways;
- Sediment and erosion control;
- Management of noise and dust to minimise potential impacts;
- Incident reporting;
- Disposal of waste;
- Weed management;
- Sustainability goals and initiatives;
- Community and stakeholder management;
- A closing summary of key measures to minimise potential impacts associated with construction works; and
- Project contact information including website and 24hr Information Line.

The next induction review will be undertaken during July 2020.

## 6 MEETINGS

### 6.1 Environmental Review Group

The fourth Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 4) was held on 05 November 2019. The meeting involved a round table discussion with attending ERG Members as well as representatives of the TfNSW and Fulton Hogan management, construction and environment teams.

The next ERG meeting is scheduled to be held on 24 March 2020.

## 7 DOCUMENTATION 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

The second Construction Compliance and Construction Monitoring Programs Report, covering the period of 08 July 2019 to 07 January 2020, is current being prepared. The report will be reviewed and endorsed by the ER prior to submission to DPIE.

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:

- Construction monitoring program results;
- Compliance reporting and management;
- Proposed post-approval management plan amendments and review outcomes;
- 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

Based on the site visits completed during January 2020, review of Project documentation and discussions with Project personnel, the ER considers that the relevant construction-based environmental management objectives for the Project were met and the current Project works were deemed to be generally consistent with Infrastructure approval conditions. Project works are progressing well with recent switching of traffic onto the new Yallah Road and a section of the new East West Link. The Project team report that approximately 40% of construction is now complete with approximately 80% of major earthworks and 90% of utility service relocations finished. Environmental management risks associated with the Project works are decreasing as the majority of earthworks have been completed. In addition, cross-drainage and in-stream/riparian-zone construction activities are advancing with a focus on progressive stabilisation.

## 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 Reports:




14 January 2020

29 January 2020



# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 14 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 27°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Fill 4/ Bridge 6	<p>Bridge beam placement has commenced. Controls generally appropriate with fill stabilised over holiday shut-down period. Please monitor stabilisation of new batter drains on western side of works prior to forecast rains. Maintenance of vegetation exclusion zone fencing also required to south of Bridge 5.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	ESC-DAU  FF-LCND	Low to medium	<p>Additional controls installed and with progressive stabilisation underway.</p> 	23/01/2020

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 14 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 27°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
						

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)		<b>DATE OF INSPECTION:</b> 14 January 2020			<b>WEATHER CONDITIONS:</b> Part Cloud, 27°C		<b>STATUS:</b>
<b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)		<b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage). NB: Site Superintendents also attended at key locations.			<b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes		 Green
NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE	
2	Bridge 4/ Fill 3A	<p>Controls appear appropriate with stabilised drainage in place. Final tree clearing completed 13 Jan 2020. Vegetation exclusion zone fencing is in place.</p>  	GEN-POS	N/A	Noted		



# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 14 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 27°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;"><span style="color: green; font-size: 2em;">●</span> Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
						




# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 14 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 27°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
3	Fill 2/3	<p>Import fill materials are being checked prior to placement and water carts are being used for dust suppression; well done.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted	

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
4	Cut 5	<p>Maintenance of southern access gate required to reduce potential for drag-out/mud-tracking. Surface miners with extraction units are now in use that result in lower dust emissions and reduced water use. Vegetative cover has increased on cut batters following recent rains which is good to see. Drainage controls generally appropriate.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	ESC-DAU	Low	<p>Maintenance of Gate 25 (southern gate) undertaken.</p> <div style="text-align: center;">  </div>	16/01/2020



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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Croome Rd/ East West Link	<p>Piling has commenced. Active dust suppression in progress for scraper haul road. Good capacity present within EPL-licenced basins and clean-water diversions in place. Non-work areas have been stabilised with a combination of hydro-seed, soil binder and spray emulsion. Management of access points during forecast rainfall to minimise mud-tracking was discussed with site team.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	ESC-DAU	Low	<p>Gate management and maintenance ongoing. Gate accesses sheeted with all weather material.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	16/01/2020


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<b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)  <b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)	<b>DATE OF INSPECTION:</b> 14 January 2020  <b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH), Chris Kelly (EPA) and Toby Hobbs (Vantage).  NB: Site Superintendents also attended at key locations.	<b>WEATHER CONDITIONS:</b> Part Cloud, 27°C  <b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes	<b>STATUS:</b>   Green
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
6	Frazers Creek to Tongarra Road	Excess topsoil stockpiles are being re-shaped and linear basin installation has commenced. Frazers Creek low-flow channel is in place.   	GEN-POS	N/A	Noted	



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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
7	Bridge 9	Pipe culvert installation in progress and piling adjacent to channel due to commence soon. Please ensure channel remains protected and managed in accordance with waterways EWMS.  	ESC-DAU	Low to medium	Piling works undertaken in accordance with EWMS. Waterway will be protected during waterway works as per EWMS and Works in Waterway Permit.	23/01/2020

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

## **General Comments:**

- It was apparent that the efforts put into preparing the site for the holiday shut-down period were effective and as a result there were no significant environmental issues report over this period
- Attendance of site Superintendents during inspection was appreciated and their commitment to environmental protection is to be commended
- As discussed on site, weed control will be required at various locations
- Please remain vigilant with respect to maintaining site access gates as rainfall is forecast and the risk of drag-out/mud-tracking is therefore likely to increase

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>




<p><b>Issued by:</b> Toby Hobbs Environmental Representative  <b>Phone:</b> 0420 922 955</p>	<p><b>Issued to:</b> Shannon Chisholm Fulton Hogan  <b>Date:</b> 14 January 2020</p>	<p><b>Copy to:</b> Peter Hawkins (TfNSW), Warren Blacka (TfNSW), Peter Chudleigh (TfNSW), Steve Lappin (TfNSW), Mick LeCerf (TfNSW), David Ledlin (TfNSW), Matthew Leslie (TfNSW), James Diamond (Fulton Hogan), Nathan Russell (Fulton Hogan), Jacob Cooper (Fulton Hogan), Mitchell Bryson &amp; Tom Dewhurst (Fulton Hogan).</p>	
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## LEGEND

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



\* To be completed sooner if adverse weather conditions predicted

<sup>1</sup> The format of this Environmental Inspection Report is based on the *Roads & Maritime Services Guidance Note: Environmental Inspection Reporting (June 2015)*

ENVIRONMENTAL STATUS	
 Red	<ul style="list-style-type: none"> <li>actions required to address urgent risk issues.</li> <li>satisfactory actions not taken for high risk issues identified on the previous inspection.</li> <li>a Category 1 incident has been identified during the inspection.</li> </ul>
 Amber	<ul style="list-style-type: none"> <li>actions required to address high and/or medium risk issues.</li> <li>satisfactory actions not taken for previous medium or low risk issues on the previous inspection.</li> </ul>
 Green	<ul style="list-style-type: none"> <li>actions required to address low risk issues that will not directly cause environmental harm.</li> <li>site demonstrates good environmental management with no action required to avoid environmental harm.</li> </ul>




# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
1	Gate 26/ Southern limit of works	<p>Stabilised access, exclusion zone fencing and signage in place. Clearing in progress in accordance with agreed protocols. General environmental controls appear appropriate.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted	




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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
2	Cut 5	<p>Stockpile and batter areas generally well stabilised. Run-off from recent rains has been retained where possible for dust suppression. Some additional treatment required for clean-water drain near southern culvert.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	ESC-DAU	Low	<p>Additional controls and temporary clean-water diversion installed.</p> <div style="text-align: center;">  </div>	6/02/2020

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
3	Gate 23/ New East West link	<p>Controls appear appropriate with polymer applied to stockpiles and sediment fence in place. Surface water accumulations are being used for dust suppression. Some weed control required at northern end of Green Meadows detention basin. Some minor batter scouring evident after recent rainfall.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	FF  ESC-DAU	Low	<p>Scours to be repaired as part of defect works. Weed removal commenced and ongoing.</p> <div style="text-align: center;">  </div>	6/02/2020



# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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4	Croome Road/ East West link	<p>Additional dust control suggested for scraper/moxy haul road, although no dust noted to be leaving site. Topsoil placement has commenced for Cut 4 basin.</p> 	AIR-USD	Low to medium	<p>Dust control ongoing with water cart.</p> 	30/01/2020




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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
5	Frazers Creek	<p>Bridge deck pours have commenced. Drainage controls are in place to collect wash water and concrete waste. Low-flow channel within Frazers Creek is functioning well. Temporary crossing is well maintained.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted	



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<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
6	Gate 15/ Bridge 9	<p>Dust suppression of access tracks/haul roads in progress. Culvert headwall construction has commenced. Good surface water management evident. Downstream diversion is in place. Please ensure appropriate concrete wash-outs are in place for all works and unprotected stockpiles are kept away from waterway.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	WAS- IWS	Low	Concrete works complete at Culvert. Stockpiles adjacent to waterway removed.	5/02/2020



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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
7	Woollybutt Drive	<p>Intersection works are complete and testing of traffic lights has commenced. Please monitor strike of recently seeded areas and apply additional stabilisation, if necessary, to prevent erosion.</p> 	ESC-DAU	Low	<p>Area hydromulched prior to rainfall.</p> 	31/01/2020


# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
8	Fill 4 / Bridge 6 (Macquarie Rivulet)	<p>Site controls generally appropriate with active dust suppression in progress. Basins have adequate capacity. Strike evident on batters for recently hydro-seeded areas.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted	



# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
9	Yallah Road	<p>Please monitor recently hydro-seeded areas as little strike is evident. Temporary environmental controls appear appropriate and it is good to see de-silting of basins in progress.</p> <div style="text-align: center;">  </div>	ESC-DAU	Low	Areas have been applied with soil binder only, batter still requires final trimming and topsoiling prior to hydromulching	3/02/2020

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>



<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
10	Gate 2	<p>Temporary noise mitigation measures in place for residences. Er/sed controls generally good with recent batter scours repaired.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted	






# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
11	Gate 1A/ Water service works	<p>Area has been rehabilitated to a good standard, including use of root-balls for habitat enhancement. Suggest redundant controls can be removed.</p> <div style="display: flex; flex-direction: column; align-items: center;">   </div>	GEN-POS	N/A	Noted. Redundant controls to be removed.	




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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
12	Ancillary site AS14	Site is being used in accordance with Infrastructure approval and appropriate environmental controls are in place.   	DOC-POS	N/A	Noted	



# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
13	Fill 7	<p>Appropriate environmental controls in place with basin maintained and good clean-water diversion constructed. Additional bund height required for temporary crossing.</p> <div style="display: flex; flex-direction: column; gap: 10px;">   </div>	ESC-ESNM	Low	<p>Additional bunding installed</p> 	


# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
14	Bridge 6/ Macquarie Rivulet	<p>Site is well managed with Works in Waterway permit in place. Housekeeping is very good.</p>  	<p>DOC- POS</p> <p>WAS- POS</p>	N/A	Noted	

# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

<p><b>PROJECT:</b> Albion Park Rail bypass (Stage 2 -Yallah to Oak Flats)</p> <p><b>WORKS UNDERTAKEN BY:</b> Contractor – Fulton Hogan (FH)</p>	<p><b>DATE OF INSPECTION:</b> 29 January 2020</p> <p><b>ATTENDEES:</b> Peter Chudleigh (TfNSW), James Diamond (FH) and Toby Hobbs (Vantage).</p> <p>NB: Site Superintendents also attended at key locations.</p>	<p><b>WEATHER CONDITIONS:</b> Part Cloud, 25°C</p> <p><b>PROJECT IDENTIFIED AS HIGH RISK FOR ESC:</b> Yes</p>	<p><b>STATUS:</b></p> <p style="text-align: center;">● Green</p>
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NO.	LOCATION	ISSUE/COMMENT	CODE	RISK	ACTION (Contractor or RMS)	CLOSE OUT DATE
						

**General Comments:**

- A review of the general induction was completed and it is noted that appropriate content related to environmental management requirements (including protection of airspace) was presented during the induction.
- Good to see the project team working to re-use retained surface water for dust suppression. Sydney Water has also confirmed the project is exempt from current Stage 2 water restrictions.

<p><b>Issued by:</b> Toby Hobbs Environmental Representative</p>	<p><b>Issued to:</b> James Diamond Fulton Hogan</p> <p><b>Date:</b> 29 January 2020</p>	<p><b>Copy to:</b> Peter Hawkins (TfNSW), Warren Blacka (TfNSW), Peter Chudleigh (TfNSW), Steve Lappin (TfNSW), Mick LeCerf (TfNSW), David Ledlin (TfNSW), Matthew Leslie (TfNSW), Shannon Chisholm (Fulton Hogan), Nathan Russell (Fulton Hogan), Jacob Cooper (Fulton Hogan), Mitchell Bryson (Fulton Hogan) and Tom Dewhurst (Fulton Hogan).</p>	
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# ENVIRONMENTAL INSPECTION REPORT<sup>1</sup>

## LEGEND

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

\* To be completed sooner if adverse weather conditions predicted

<sup>1</sup> The format of this Environmental Inspection Report is based on the *Roads & Maritime Services Guidance Note: Environmental Inspection Reporting (June 2015)*

ENVIRONMENTAL STATUS	
 Red	<ul style="list-style-type: none"><li>actions required to address urgent risk issues.</li><li>satisfactory actions not taken for high risk issues identified on the previous inspection.</li><li>a Category 1 incident has been identified during the inspection.</li></ul>
 Amber	<ul style="list-style-type: none"><li>actions required to address high and/or medium risk issues.</li><li>satisfactory actions not taken for previous medium or low risk issues on the previous inspection.</li></ul>
 Green	<ul style="list-style-type: none"><li>actions required to address low risk issues that will not directly cause environmental harm.</li><li>site demonstrates good environmental management with no action required to avoid environmental harm.</li></ul>

# 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
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
EWMS 3: Site Compound AS06 Establishment, Rev. 2, 16 November 2018	22 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
Aviation Management Plan (incl. Method of Working Plan), Rev. 5, 17 December 2018	17 December 2018	Yes



Plan/Report Title	Date of Issue and/or ER Review and/or Endorsement	Consistent with Infrastructure Approval Conditions?
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
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
Ancillary Facilities Management Plan, Rev. 8, 29 July 2019	29 July 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



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