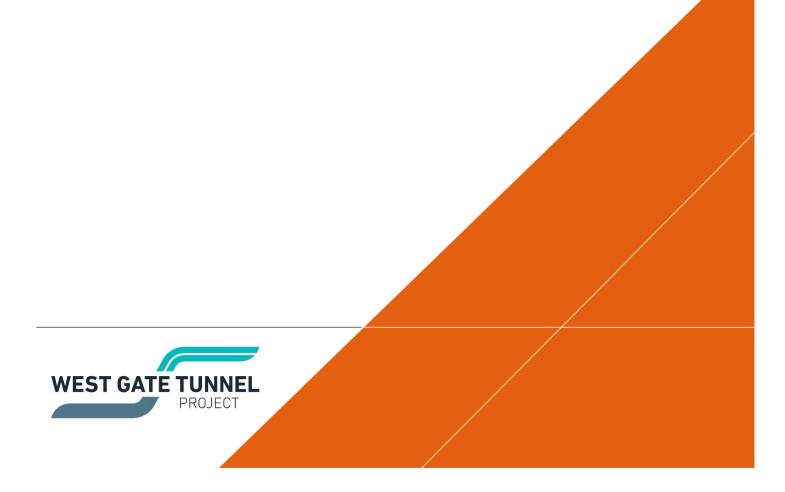






WEST GATE TUNNEL PROJECT

Independent Reviewer and Environmental Auditor Final Report for Submission to the Minister for Planning -March 2023 to August 2023



WEST GATE TUNNEL PROJECT

Independent Reviewer & Environmental Auditor

Final Audit Report for Minister of Planning

Author Jin-Sol Lee

Checker Hilary Chapman

Approver Geoff Shepherd

Report No WGT-IREA-AD-AUD-100-0164_Rev 1

Issue Date 8/11/2023

This report has been prepared for the Parties in accordance with the terms and conditions of appointment of the Independent Reviewer and Environmental Auditor and Sub-Independent Reviewer and Environmental Auditor for the West Gate Tunnel Project, dated 30 May 2017. Arcadis Australia Pacific Pty (76 104 485 289) cannot accept any responsibility for any use of or reliance on the contents of this report by any third party.



Arcadis Pty Ltd

ABN 76 104 485 289

Level 18, 376-390 Collins Street Melbourne VIC 3000 AUSTRALIA

Tel: +61 3 8626 6840 www.arcadis.com



APP Corporation Pty Ltd

ABN: 29 003 764 770

7/420 St Kilda Road Melbourne VIC 3004 AUSTRALIA

Ph: +61 3 8866 0200 www.app.com.au



WSP Australia Pty Limited

ABN: 80 078 004 798

Level 11, 567 Collins Street Melbourne VIC 3000 AUSTRALIA

Ph: +61 3 8851 3809

www.wsp.com

CONTENTS

EXECUTIVE SUMMARY	6
GLOSSARY OF TERMS & ABBREVIATIONS	9
1.1 Purpose of this Report	11
1.2.1 West Gate Tunnel Project	
1.2.2 Planning and Environment Approvals	
1.2.3 Environmental Management Strategy	
1.2.4 Construction Environmental Management Plan	
Norksite Environmental Management Plans	
1.3.1 Regular Site Inspections / Surveillance	
1.3.2 Design and Construction Documentation Review	
1.3.3 Management Plan Review	
1.3.4 Minister's Report	18
1.4 Report Structure	18
2 CONDUCT OF AUDITS	19
2.1 Audit Objectives	19
2.2 IREA Auditing Process	
2.3 Audit Scope	
2.3.1 Design and Construction Activities – March 2023 to August 2023	
2.4 Audit Findings Classification	24
3 SIX-MONTHLY AUDIT FINDINGS	27
3.1 Environmental Management Strategy	
3.2 Environmental Performance Requirements	
3.2.1 Environmental Management	
3.2.2 Air Quality	27
3.2.3 Business.	28
3.2.4 Cultural Heritage	28
3.2.5 Contaminated Soil and Spoil Management	28
3.2.6 Ecology	29
3.2.7 Greenhouse Gas Emissions	29
3.2.8 Ground Movement	29
3.2.9 Groundwater	29
3.2.10 Land Use	29

3.2.11 Landscape and Visual	.29
3.2.12 Noise and Vibration	. 30
3.2.13 Social	. 30
3.2.14 Surface Water	.30
3.2.15 Transport	.31
3.2.16 Waste Management	.31
3.3 Construction Environmental Management Plan	.31
3.3.1 Air Quality Management Plan	.31
3.3.2 Construction Noise and Vibration Management Plan	.32
3.3.3 Energy Management Plan	.32
3.3.4 Flora and Fauna Management Plan	.32
3.3.5 Ground Movement Management Plan	.32
3.3.6 Groundwater Management Plan	.32
3.3.7 Hazardous Substances Management Plan	. 33
3.3.8 Heritage Management Plan	. 33
3.3.9 Lighting Management Plan	. 33
3.3.10 Soil and Spoil Management Plan	.33
3.3.11 Waste Management Plan	.34
3.3.12 Water Management Plan	.34
3.3.13 Landscape Management Plan	. 34
3.3.14 Business Involvement Plan	. 35
3.3.15 Construction Communications and Community Engagement Plan	.35
3.4 Worksite Environmental Management Plan	. 35
3.4.1 West Zone	. 35
3.4.2 Tunnel Zone	.36
3.4.3 East Zone	.36
4 AUDIT CONCLUSIONS	. 37
APPENDIX A – EPR AUDITING STATUS	. 39
APPENDIX B – IREA SPECIALIST TEAM	. 48
APPENDIX C – AUDIT LIMITATIONS	. 50

TABLES

Table 1 – Status of CEMP and subplans	
FIGURES	
Figure 1 – Governance Framework for the Project Environmental Management Strategy (adapted from Strategy 2018)	4
Figure 2 – Relationship between environmental management framework and Project design and construction documentation	n
Figure 3 – Overview of environmental audit process	1
PHOTOS	
Photo 1 – Tunnel Zone (Source: WGTP MTIA, 8 March 2023)2	4
Photo 2 – Dynon Road – East Zone (Source: WGTP MTIA, 30 June 2023)2	6
Photo 3 – Footscray Road - East Zone (Source: WGTP MTIA, 16 June 2023)2	
Photo 4 – Maribyrnong River – East Zone (Source: WGTP MTIA, 1 April 2023)	
Photo 5 – Wurundjeri Way – East Zone (Source: WGTP MTIA, 6 June 2023)	
Photo 6 – TBM Bella – Tunnel Zone (Source: WGTP MTIA, 8 May 2023)	

APPENDICES

APPENDIX A – EPR AUDITING STATUS

APPENDIX B - IREA SPECIALIST TEAM

APPENDIX C – AUDIT LIMITATIONS

EXECUTIVE SUMMARY

Introduction

This report summarises the environmental audit findings of the Independent Reviewer and Environmental Auditor (IREA) for the West Gate Tunnel Project (the Project) in Melbourne, Victoria. It covers the sixmonthly audit of the Environmental Management Strategy (the Strategy), quarterly Construction Environmental Management Plan (CEMP) audits, and monthly audits of the Worksite Environmental Management Plans (WEMP) which occurred during the construction period from March 2023 to August 2023.

This is the eleventh IREA Minister's Report, which is required to be issued every six months to the Victorian Minister for Planning and made available to the public on the Project website.

Construction on the Project has been underway since March 2018. Recent activities have been concentrated on the widening of the West Gate Freeway, operation of the tunnel boring machines and structural works for the various bridges along the eastern and western portion of the Project.

Overview of Findings

Overall, Project Co was found to be meeting their obligations under the Strategy. No adverse findings were raised with Project Co during the Strategy audit.

Project Co / D&C Subcontractor is generally compliant with the Environmental Performance Requirements (EPR).

During this reporting period the IREA approved five revised environmental management plans, including the Energy Management Plan (EMP), Flora and Fauna Management Plan (FFMP), Ground Water Management Plan (GWMP), Hazardous Substances Management Plan (HSMP), and Heritage Management Plan (HMP).

The IREA's future auditing program will continue to focus on how Project Co and the D&C Subcontractor demonstrate compliance with Project environmental requirements. Project Co and the D&C Subcontractor have continued to provide evidence to close out audit findings, including eight CEMP findings (eight opportunities for improvement), seven WEMP findings (seven opportunities for improvement) and four EPR findings (four opportunities for improvement) closed out since the previous reporting period.

A summary of the findings raised during this reporting period is below.

Environmental Management Strategy

Project Co is generally meeting their obligations under the Strategy. No adverse findings were raised during this reporting period.

No findings remain open from previous reporting periods.

These findings are detailed further in Section 3.1 of the report.

Environmental Performance Requirements

During the last six-month reporting period the IREA formally audited 47 EPRs. The majority of EPRs audited during the reporting period were deemed compliant. The findings raised consisted of:

- No non-conformances were raised during this audit period.
- One opportunity for improvement was raised.
- Three observations were raised during this audit period relating to environmental management, greenhouse gas emissions, and transport management.

Four opportunities for improvement were closed against Groundwater (GWP3), Greenhouse Gas Emissions (GGP2), Ground Movement (GMP3), Construction Noise and Vibration (NVP18), and Surface Water (SWP7) from previous reporting periods. In total there are 8 findings remaining open at the end of this reporting period, comprising of 8 opportunities for improvement. The IREA will continue to work with Project Co/D&C Subcontractor to close out any outstanding findings.

A full list of EPR findings raised and the status of previous findings is detailed in Section 3.2. Also refer to Appendix A for a summary of EPR compliance status and the upcoming EPR auditing schedule.

Construction Environmental Management Plan

The last six-month reporting period focused on auditing a range of CEMP elements and subplans.

The CEMP audit findings for the May 2023 quarterly audit are summarised below:

- · No non-conformances were raised during this audit.
- No opportunities for improvement were raised during this audit.
- No observations were raised.

The CEMP audit findings for the August 2023 quarterly audit are summarised below:

- · No non-conformances were raised during this audit.
- No opportunities for improvement were raised during this audit.
- Four observations were also raised.

Eight opportunities for improvement were closed from previous reporting periods against the Air Quality Management Plan (AQMP), Construction Environmental Management Plan (CEMP), Ground Movement Management Plan (GMMP), and the Soil and Spoil Management Plan. In total there are 3 findings remaining open at the end of this reporting period, comprising 3 opportunities for improvement. The IREA will continue to work with Project Co / D&C Subcontractor to close out any outstanding findings.

Details of the CEMP findings are listed in Section 3.3.

Worksite Environment Management Plans

During the reporting period six WEMP audits were conducted. A total of three findings were raised in this reporting period. These consisted of:

- No non-conformances.
- Two opportunities for improvement.
- One observation.

The D&C Subcontractor has maintained their system processes and environmental management on site, resulting in a similar number of new audit findings from two findings in the previous reporting period to three during this reporting period. Seven opportunities for improvement were closed during this reporting period. In total there are zero (0) WEMP audit findings remaining open.

The WEMP findings are further detailed in Section 3.4.

Conclusions

The findings arising from the reporting period by the IREA have not identified any immediate significant or material risks to the environment.

Implementation of the EPRs was found to be generally compliant, with one (1) opportunity for improvement and three (3) observations during the reporting period:

One (1) opportunity for improvement was raised relating to ground movement, and three (3) observations
were raised during this audit period relating environmental management, greenhouse gas emissions, and
transport management.

Nineteen audit findings from previous reporting periods were closed, including eight CEMP findings (eight opportunities for improvement), seven WEMP findings (seven opportunities for improvement) and four EPR findings (four opportunities for improvement). In total there are 11 findings remaining open at the end of this reporting period, comprising 11 opportunities for improvement. The IREA will continue to work with Project Co/D&C Subcontractor to close out any outstanding findings.

A full list of EPR findings raised and the status of previous findings is detailed in Section 3.2. Also refer to Appendix A for a summary of EPR compliance status and the upcoming EPR auditing schedule.

West Gate Tunnel Project

Progress in closing out audit findings has remained steady. The IREA encourages continued efforts by Project Co and the D&C Subcontractor to close out remaining open audit findings.

GLOSSARY OF TERMS & ABBREVIATIONS

AQMP	Air Quality Management Plan		
BIP	Business Improvement Plan		
ВОМ	Bureau of Meteorology		
СРВЈН	Design and Construction Subcontractor (D&C Subcontractor)		
CEMP	Construction Environmental Management Plan		
CNVMP	Construction Noise and Vibration Management Plan		
CD	Certified Design		
CHMP	Cultural Heritage Management Plan		
CSM	Conceptual Site Model		
EES	Environment Effects Statement		
EMF	Environmental Management Framework		
EMP	Energy Management Plan		
EMS	Environmental Management Strategy		
EPA	Environment Protection Authority		
EPR	Environmental Performance Requirements		
FFMP	Flora and Fauna Management Plan		
GHG	Greenhouse Gas		
GMMP	Ground Movement Management Pan		
GWMP	Groundwater Management Plan		
HMP	Heritage Management Plan		
HSMP	Hazardous Substances Management Plan		
HPAMP	Historic Places and Archaeological Management Plan		
IREA	Independent Reviewer and Environmental Auditor		
ISCA	Infrastructure Sustainability Council Australia		
LMP	Lighting Management Plan		
JASANZ	Joint Accreditation System of Australia and New Zealand		
NML	Noise Management Levels		
NYMS	North Yarra Main Sewer		
PPP	Public Private Partnership		
PSA	Planning Scheme Amendment		
PSR	Project Scope & Requirements (Project Agreement or Contract)		
SAQPs	Sampling Analysis and Quality Plans		
SEPP	State Environment Protection Policy		
SSMP	Soil and Spoil Management Plan		
ТВМ	Tunnel boring machine		
WEMP	Worksite Environment Management Plan		
WGTP MTIA	West Gate Tunnel Project Major Transport Infrastructure Authority (the State)		
WMP	Water Management Plan		

West Gate Tunnel Project

WstMP

1 INTRODUCTION

1.1 Purpose of this Report

This report summarises the Independent Reviewer and Environmental Auditor (IREA) audit findings from the eleventh six-month period of construction of the West Gate Tunnel Project (the Project) in Melbourne, Victoria.

The IREA has been jointly appointed by West Gate Tunnel Project, Major Transport Infrastructure Authority (WGTP MTIA) and Transurban WGT Co Pty (Project Co) to provide independent oversight of design engineering, construction, program and environmental performance of the Project. The IREA undertakes audits, review of documentation and site surveillance of Project activities to assess whether conformance with Project requirements is being achieved. This includes the Environmental Performance Requirements (EPR) issued by the Minister for Planning in December 2017.

During the reporting period the IREA audited Project Co (responsible for delivering the Project and future operator of the road) to determine conformance with the Environmental Management Strategy (the Strategy). Similarly, the IREA has audited the CPB John Holland Joint Venture (D&C Subcontractor) to determine conformance with the Construction Environmental Management Plan (CEMP), EPRs, and Worksite Environment Management Plans (WEMP).

Prior to starting construction, the IREA reviewed the Strategy and approved the CEMP (and associated subplans). The WEMPs are approved by Project Co. The audits considered in this report are identified under the Project's EPRs (specifically EMP3) required by the Project's Planning Scheme Amendment (PSA) (GC93) and the Project Agreement between the State of Victoria (represented by WGTP MTIA) and Project Co.

The IREA is required to provide a six monthly "audit report" for submission to the Minister for Planning which must be made available to the public (this report).

1.2 Project Background

1.2.1 West Gate Tunnel Project

On 11 December 2017, the Victorian State Government (the State), as part of a Public Private Partnership (PPP), entered into contracts with Project Co for the construction and operation of the Project.

Project Co is responsible for the design, partial financing, construction, tolling, operation and maintenance of the Project. Project Co has ultimate responsibility to the State for delivering the Project to the requirements in the contract and for ensuring the D&C Subcontractor fulfils their obligations including the EPRs.

The D&C Subcontractor has been contracted to complete the detailed design and construction of the Project.

The WGTP MTIA is an administrative office established to manage the delivery of the Project in accordance with the contracts on behalf of the State Government. The Project has three components:

- 1. West Gate Freeway upgrade and widening works between the M80 Ring Road interchange and Princes Freeway to the southern portals of the tunnels, including connections to Grieve Parade, Millers Road, Williamstown Road, Hyde Street, and the West Gate Bridge.
- 2. Twin tunnels two tunnels, one inbound and one outbound, under Yarraville catering for three lanes between the southern and northern portals and connecting to the new bridge over the Maribyrnong River. The outbound tunnel will be approximately 4.0 kilometres long and the inbound tunnel will be approximately 2.8 kilometres long. A tunnel ventilation structure will be located at each exit portal.
- 3. Port, CityLink, and city connections connects from the northern tunnel portal to the central city and includes the Maribyrnong River crossing, connections to the Port of Melbourne, elevated roads along Footscray Road, and connections to CityLink and the north west of the central city. Connections are also provided to both sides of the Port of Melbourne via MacKenzie Road and Appleton Dock Road. A widened Wurundjeri Way is connected to Dynon Road.

Early (preparatory) works started in December 2017 in preparation for construction. This included for instance, low environmental impact works such as completion of environmental surveys and investigations required prior to construction start. The Project started full construction in March 2018 on approval of the CEMP. Details on the construction progress over the audit period are described in Section 2.3.1

A publicly accessible Project Information Centre located on Whitehall Street in Yarraville (known as the Pivot site) is open to the public. This Project Information Centre includes interactive displays, printed information packs and is staffed during the day by members of the D&C Subcontractor Communications Team. There are a number of ways the public can engage with the Project, including:

- Visiting the Project website at http://westgatetunnelproject.vic.gov.au/
- Sending the Project a private message on Facebook Messenger
- Contacting the Project call centre on 1800 105 105 or email info@wgta.vic.gov.au.

1.2.2 Planning and Environment Approvals

The Project was declared 'public works' under the *Environment Effects Act 1978* in December 2015, requiring the preparation of an Environment Effects Statement (EES) to inform the Minister for Planning's assessment of the environmental effects of the Project. The EES was publicly exhibited in late May 2017 and public hearings undertaken between mid-August and late September 2017. The Minister for Planning publicly released his Assessment on 27 November 2017 to complete the EES process – concluding that the Project would deliver substantial transport and related benefits.

Three key (primary) approvals have been granted for the Project under Victorian legislation, including:

- Planning Scheme Amendment (PSA) and Incorporated Document issued by the Victorian Minister for Planning requires the project to be constructed and operated according to the Minister's requirements. The Minister approved the project under PSA GC65 on 7 December 2017. This PSA was revoked by Parliament on 7 March 2018 and remade with PSA GC93 on 8 March 2018. The PSA has been incorporated into six separate local Planning Schemes: Brimbank, Hobsons Bay, Maribyrnong, (City of) Melbourne, Port of Melbourne and Wyndham.
- Works Approval issued by the Victorian Environment Protection Authority (EPA) for design and construction of the tunnel ventilation structures.
- Cultural Heritage Management Plan (CHMP) 14562 issued by Aboriginal Victoria for works potentially
 affecting known and potential areas of Aboriginal Cultural Heritage Significance. CHMP 14562 amended
 on 4 April 2018 and 28 February 2020.

These approvals include a range of obligations and conditions, including the PSA which requires the Project to be carried out in accordance with the approved "West Gate Tunnel Project Environmental Performance Requirements, December 2017". The EPRs define the project-wide environmental outcomes that must be achieved during design, construction and operation of the Project (refer Appendix A for a summary list of these EPRs and the Project website for a full version -

http://westgatetunnelproject.vic.gov.au/about/keytopics/planning-approvals).

The Environmental Management EPRs set out the following requirements:

- EPR EMP1 requires the preparation of an Environmental Management Strategy (the Strategy) to provide an overarching framework to address environmental requirements including relevant environmental laws, key approvals, approval conditions and the EPRs.
- EPR EMP2 requires the preparation and implementation of a CEMP, Worksite Environmental Management Plan (WEMP), Operational Environmental Management Plan (OEMP) and other plans as required by the EPRs in accordance with the Strategy.
- EPR EMP3 requires the appointment of an Independent Reviewer and Environmental Auditor (the IREA)
 to ensure compliance with the Strategy and EPRs and conduct compliance audits of the approved
 Strategy, CEMP and WEMPs. The WGTP MTIA must forward the audit reports to the Minister for
 Planning and other approval agencies as appropriate.

The EPRs set standards for the Project and are put in place to mitigate any adverse local effects of the Project on people and the environment. The EPRs have been incorporated into the Project Agreement between the State and Project Co and are included in the subcontract between Project Co and the D&C Subcontractor.

On 1 July 2021, the new *Environment Protection Act 2017* came into force. The "Compliance Code for Victoria's Big Build Projects" (EPA Publication 1998, June 2021) applies to the Project and provides practical guidance on how to comply with specific duties and obligations under the *Environment Protection Act 2017* and *Environment Protection Regulations 2021*.

The relationship between the various Project parties and key planning and environment documents, including the Strategy, are summarised in Figure 1 below. This diagram shows the role of the Minister for Planning and other regulatory authorities in issuing approvals for the Project while continuing their role as regulator (blue boxes). These requirements, which include regulatory approvals and EPRs, are then incorporated into a series of Project Agreements (contracts) between WGTP MTIA (representing the State of Victoria), Project Co, and the D&C Subcontractor. Project Co delegate the direct responsibility for delivering these environmental requirements to the D&C Subcontractor via the Strategy.

The Strategy lists the Project environmental requirements and minimum requirements for both Project Co and the D&C Subcontractor. In the case of the D&C Subcontractor, this includes the requirements to develop environmental documentation such as a CEMP which outlines how environmental requirements will be met during design and construction, and WEMPs, which are used on the construction site as a practical guide to manage environmental issues. The D&C Subcontractor is also required to maintain an Environmental Management System that complies with the international standard ISO14001 Environmental Management Systems. This requires the D&C Subcontractor to develop and maintain various management systems, procedures and processes that facilitate continual improvements in environmental management.

The responsibility of WGTP MTIA, Project Co and the D&C Subcontractor for delivery of the environmental management framework is summarised in Figure 2. The figure also shows how environmental requirements are incorporated into design and construction documentation. Project Co is responsible for the preparation and implementation of the Strategy in accordance with EPR EMP1. The obligation for the preparation and implementation of the CEMP (including subplans), WEMP and any other project plans required to achieve the EPRs is the responsibility of the D&C Subcontractor. Design and construction documentation is prepared by the D&C Subcontractor in accordance with relevant environmental requirements and EPRs.

Construction on the Project commenced in March 2018 following the approval of the Strategy by the Minister for Planning and the CEMP (and subplans) by the IREA and WGTP MTIA. Further information on the Strategy, CEMP, WEMP, and the audit and review processes is provided in the following sections.

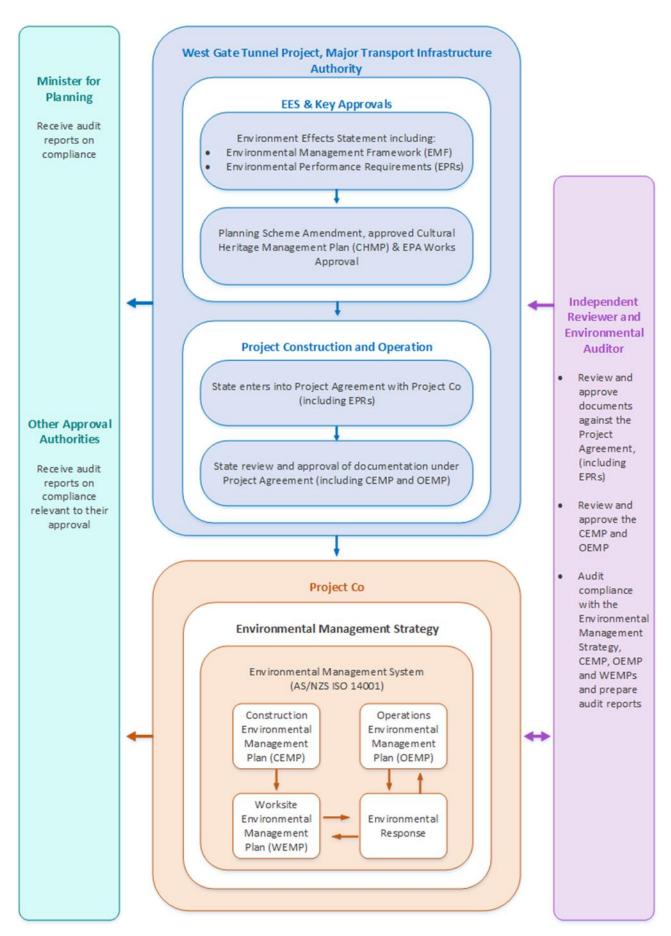


Figure 1 – Governance Framework for the Project Environmental Management Strategy (adapted from Strategy 2018)

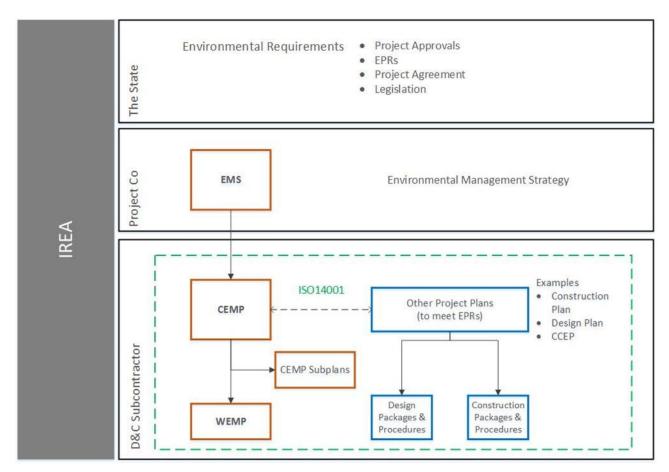


Figure 2 – Relationship between environmental management framework and Project design and construction documentation

1.2.3 Environmental Management Strategy

The Strategy provides an overarching framework to address all environmental requirements and manage environmental outcomes for the Project. Project Co is responsible for ensuring compliance with the Strategy which sets out the framework for delivering and complying with the EPRs, CEMP and other environmental requirements.

The Strategy was developed in early 2018, finalised on 31 January 2018, and approved by the Minister for Planning on 20 February 2018 (under PSA GC65). It was prepared in consultation with councils and other key stakeholders and reviewed by the IREA. PSA GC65 was revoked by the Parliament of Victoria on 7 March 2018, a new PSA (PSA GC93) was approved by the Minister for Planning, including re-approval of the Strategy by the Minister for Planning on 8 March 2018 in exactly the same form.

The Strategy outlines the Project's overall Environmental Management System, including responsibilities shared by the WGTP MTIA, Project Co, and the D&C Subcontractor. The Strategy is consistent with the Australian Standard for Environmental Management Systems (AS/NZ ISO 14001), which includes, but is not limited to project legal requirements, environmental management documents, roles and responsibilities, communication requirements, reporting, auditing, and processes for evaluating compliance. It is designed to provide an overarching framework to address the EPRs, which are largely delegated to the D&C Subcontractor to deliver (via the CEMP and Design Management Plans).

1.2.4 Construction Environmental Management Plan

The D&C Subcontractor's CEMP and subplans were developed in March 2018 and approved by the IREA and WGTP MTIA for implementation. The CEMP outlines how the D&C Subcontractor will achieve the environmental requirements for the construction phase of the Project. This includes requirements outlined under the legislation (including permits and approvals), the Project EPRs, and requirements set out under

the Project Agreement. The CEMP includes control measures for implementation during construction in order to manage, minimise or avoid environmental impacts in carrying out construction activities. The following subplans have also been developed to manage environmental risk associated with D&C Subcontractor activities and to address the requirements of EPRs:

Table 1 – Status of CEMP and subplans¹

Plan	Update status
Construction Environmental Management Plan Rev 10 – 11 December 2019	Rev 20 - reviewed
Water Management Plan Rev 10 – 22 October 2019	Rev 14 – reviewed
Flora and Fauna Management Plan Rev 20 – 13 April 2023	Current
Construction Noise and Vibration Management Plan Rev 10 – 15 January 2020	Rev 15 - reviewed
Groundwater Management Plan Rev 18 – 26 May 2023	Current
Heritage Management Plan Rev 12 – 13 April 2023	Current
Waste Management Plan Rev 11 – 31 March 2020	Rev 15 – reviewed
Energy Management Plan Rev 17 – 22 February 2023	Current
Hazardous Substances Management Plan Rev 14 – 21 March 2023	Current
Lighting Management Plan Rev 13 – 13 January 2022	Rev 17 – reviewed
Soil and Spoil Management Plan Rev 12	Rev 15 – under review
4 August 2020	
Air Quality Management Plan Rev 17	Current
16 June 2023	
Ground Movement Management Plan Rev 9	Rev 12 – reviewed
8 July 2020	
Tree Management Plan Rev 0*	Current

^{*} Tree Management Plan was previously an appendix of the Flora and Fauna Management Plan (Revision 8)

These sub plans do not address the entire scope of all EPRs for the Project. The CEMP makes reference to a suite of other management plans which are required to demonstrate how these and other EPRs will be complied with e.g. Interface Management Plan, Business Involvement Plan, Design Management Plan, Construction Management Plan, Communications and Community Engagement Plan (CCEP), Construction Communications and Community Engagement Plan (CCCEP). The CEMP (and auditing process) is the main framework document used to audit conformance with the Project EPRs (noting it delegates these requirements to other parts of the D&C Subcontractor Management Systems).

1.2.5 Worksite Environmental Management Plans

The D&C Subcontractor's WEMPs are prepared in order to manage discrete construction stages or work packages (by type) that may have an adverse impact on the environment. The WEMPs are subsidiary to the

¹ Subplan revisions listed in left column are the latest approved revisions by the IREA and the State.

CEMP and are implemented at specific worksites to minimise potential impacts of construction activities on the environment and community. Each WEMP will include a map showing the location and scope of works to be managed and include environmental management measures (controls) required to be implemented. The WEMPs are for use by site personnel, consultants, and subcontractors, and a copy of the relevant WEMP is to be displayed at each site compound. Some EPRs require engagement with regulators (including Councils) where it is considered appropriate e.g. when Council land is affected.

1.3 Role of the IREA

The IREA was jointly appointed by WGTP MTIA and Project Co on 30 May 2017 to provide independent oversight of design engineering, construction, and environmental performance of the Project. The IREA undertakes audits and surveillance of Project activities to assess whether compliance with the Project Documents is being achieved. This includes EPR EMP3 which requires the IREA to complete environmental audits of conformance with the approved Strategy (six-monthly), CEMP (quarterly) and WEMPs (monthly).

The IREA started work on the Project in late 2017, through review of design and construction packages associated with "early works" (limited to low impact investigations and site set up), site surveillance of early works, and reviews of draft environmental management documentation.

Following Financial Close and the issuing of key approvals, the IREA and WGTP MTIA approved the CEMP (including subplans) prior to construction starting in March 2018. The IREA and WGTP MTIA are also responsible for reviewing subsequent revisions of the CEMP and subplans.

With construction well underway, the IREA is responsible for undertaking a number of activities, described in the following sections.

1.3.1 Regular Site Inspections / Surveillance

The IREA undertakes regular inspections of the construction site (at least daily). IREA representatives are based on site in each of the three construction zones – tunnels, east, and west. The surveillance process is not the same as a formal audit as it may only address (in one inspection) part of an EPR. This information is made available to the D&C Subcontractor and summarised in monthly reports by the IREA. This surveillance assists the IREA in identifying key issues and risks which is used to inform future surveillance and auditing effort. These inspections are designated by "CS" in Appendix A, which summarises the activities that the IREA has undertaken over the last six months in relation to checking compliance with the EPRs. This shows that while not every EPR is formally "audited" by the IREA every day, it is subject to regular surveillance.

1.3.2 Design and Construction Documentation Review

The IREA reviews all design and construction packages (designated "DR" and "CR" in Appendix A). This includes, but is not limited to, reviews of documents such as design drawings, technical information packages, design packages (outlining the basis of design), construction packages, and construction procedures. These documents are reviewed by one or more representatives of the IREA considered a specialist in their field e.g. hydrogeologist, bridge engineer, ecologist. The IREA reviews these documents against all Project environmental requirements. These reviews are sent to all Project parties for consideration and action (by the D&C Subcontractor). The IREA is required to certify design packages which means that these are not signed off until the environmental requirements are addressed. Construction packages are reviewed by the IREA and checked for compliance on site during site surveillance (refer Section 1.3.1). The outcomes of these reviews do not represent a formal audit but can provide (in part or in full) inputs into the quarterly CEMP audit which is the formal mechanism for auditing and reporting on EPR conformance.

1.3.3 Management Plan Review

The IREA is responsible for reviewing and/or approving management plans and documentation (designated "MP" in Appendix A). In approving the CEMP and subplans required prior to construction start (in March 2018), the IREA has checked compliance with the EPR linked to these CEMP subplans. Though not a formal audit, these reviews are documented in the EPR compliance table in Appendix A as they go some way to demonstrating conformance. The IREA has also reviewed a number of other plans that do not necessarily

need to be included in the CEMP but remain a requirement of the EPR, such as the CCEP. The review process for these plans is similar to the process used for design and construction packages, whereby the IREA's comments are documented, and the D&C Subcontractor is obliged to address these in subsequent revisions of the plan before it is issued for use.

Revised versions of the CEMP and subplans were reissued to all project parties in this audit period and the previous auditing period for review and approval. The CEMP and subplans have been approved by the project parties (refer Table 1).

EPR EMP3 requires formal auditing of the Strategy, the CEMP, and WEMPs (refer Section 2 for further detail on the conduct and scope of auditing). Audits of the CEMP and EPRs are undertaken every quarter (identified under the "Audit" columns in Appendix A). The IREA's indicative 12-month EPR audit schedule is included in Appendix A. Through this program all applicable EPRs are audited at least once over a twelvementh period via the quarterly CEMP audits.

1.3.4 Minister's Report

The IREA in its role as independent auditor is responsible for preparing a summary audit report which, WGTP MTIA must forward to the Minister for Planning during construction and other approval authorities as appropriate. This audit report draws from audits undertaken over a six-month period, in this case the (eleventh) six months of construction between March 2023 – August 2023. The formal audits described in this Minister's Report have been undertaken by the IREA Lead Environment Auditor, Hilary Chapman and Assistant Environment Auditors, Jamie Crawford, Camilla Freestone, and Jin-Sol Lee. The Lead Auditor was supported by a team of specialists listed in Appendix B.

1.4 Report Structure

This report is divided into the following sections:

- Section 2: Conduct of Audits details the scope of the IREA's audit activities undertaken prior to, during and after the audit.
- Section 3: Audit findings provides the IREA's findings from audits of the Strategy, CEMP and WEMPs.
- Section 4: Audit Conclusion –on the D&C Subcontractor's conformance with the requirements of the Strategy, CEMP and WEMPs.
- Appendices
 - Appendix A EPR Auditing Status
 - Appendix B IREA Specialist Team
 - Appendix C Limitations.

2 CONDUCT OF AUDITS

2.1 Audit Objectives

The objective of the audits summarised in this report is to assess conformance with the current Strategy, the CEMP, and the WEMPs based on the requirement of EPR EMP3. This includes conformance with the primary approvals (refer Section 1.2.2 above). The objective of these audits is to sample compliance with requirements over the period of March 2023 to August 2023 (inclusive).

2.2 IREA Auditing Process

Figure 3 below details the key steps of the IREA environmental auditing process.

The IREA undertook COVIDSafe work practices and protocols in line with prevailing Victorian Government health advice.

2.3 Audit Scope

The IREA determines the scope of these audits, which changes based on which Project issues, activities and environmental risks are considered to be significant at the time of audit. Considerations may include:

- Implementation of the CEMP and associated management system and tools.
- Analyses of environmental monitoring results, focusing on groundwater, noise, vibration, surface water, and air quality.
- Environmental risks relating to current construction activities.
- Concerns of the community.
- Compliance status of EPRs.

The IREA reviews a sample of environmental requirements (and evidence of compliance) over the auditing period. It is not feasible or necessary to fully audit all requirements in a six-month period (there are thousands of requirements e.g. legislation, EPRs, contract, CEMP, subplans). For example, the IREA excludes requirements, such as operational EPRs, which are not part of the current scope of work.

It should be noted that while all environmental requirements are not formally audited over a six-month period, the IREA is required to "check" compliance with environmental requirements through activities such as formal review of documentation and inspection of the construction site (refer Section 1.3). This means that a much larger set of requirements relevant to the Project period will be checked by the IREA for compliance during this period.

In this six-month reporting period, 47 of the 117 EPRs were audited by the IREA. 48 EPRs were audited during the previous reporting period (September 2022 – February 2023), bringing the total EPRs audited for this 12-month period to 95 (refer Appendix A). The remaining EPRs not audited include:

- Five operational EPRs that are not relevant to construction.
- Four EPRs that have been met and deemed closed.
- Three EPRs relating to blasting and ground-borne activities, which are currently outside of the Project's scope.
- Nineteen EPRs relating to complete design components, which are being monitored by the IREA through
 other established processes, rather than explicit auditing. The total number sums to more than 117
 because some of these EPRs were audited during the previous reporting period and now have completed
 components.
- During this audit cycle, a further four EPRs will now be monitored through other established processes, rather than explicit auditing.

West Gate Tunnel Project

• EPRs which will be addressed during the rest of the annual audit cycle. The IREA audits all relevant EPRs within its annual audit program on a risk basis. This means that there may be more than one year between audits for some EPRs, and less than one year interval for other EPRs.

The environmental requirements audited and checked by the IREA during this 12-month period are summarised below and shown in Appendix A.

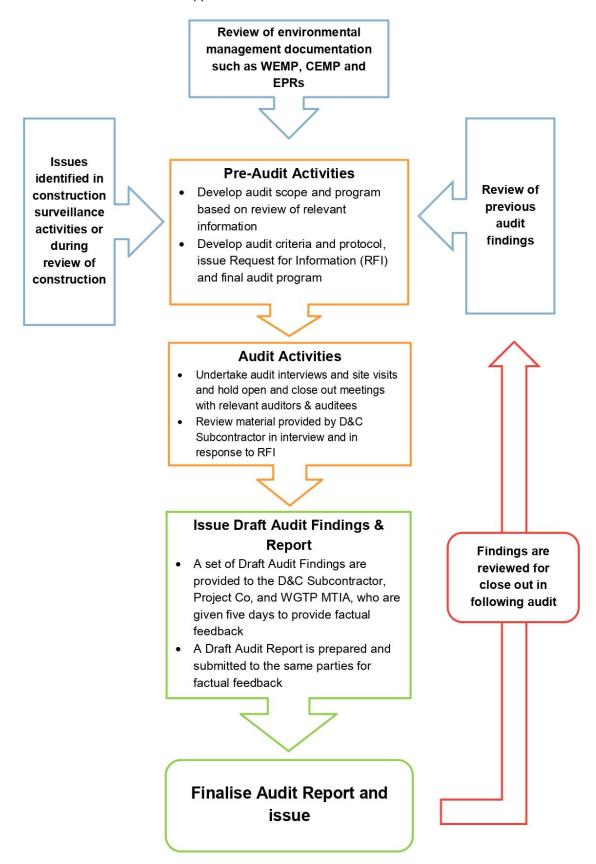


Figure 3 – Overview of environmental audit process

A summary of the scope of the audits conducted by the IREA is provided in Table 2 below.

Table 2 - Summary of Audits Conducted During Reporting Period - March 2023 to August 2023.

Audit Type	Date	Scope
Strategy Audit	July 2023	 Strategy (revision 7) dated 31 January 2018 and the legislation, approvals, consents, guidelines, and standards relevant to its implementation.
CEMP Audit	May 2023 & August 2023	 Elements 3, 8, 9, and 12 of the CEMP. Revision 10 (dated 11 December 2019) of the CEMP were audited in the May 2023 and August 2023 audits.
		 Relevant documentation including relevant D&C Subcontractor management plans and subplans such as the Air Quality Management Plan, Construction Communication and Community Engagement Plan, Construction Noise and Vibration Management Plan, Flora and Fauna Management Plan, Groundwater Management Plan, Ground Movement Management Plan, Hazardous Substance Management Plan and Water Management Plan were also audited. A full overview of CEMP documentation audited during this reporting period is provided in Section 3.3.
		 A selection of EPRs relevant to the current stage of design and construction (as defined in Appendix A). Overview of EPR documentation audited during this reporting period is provided in Section 3.2.
WEMP Audit	March 2023 West Zone	Site audit at Hyde Street Ramps.
	April 2023 East Zone	Site audit at Bridge 75 Veloway WD to Footscray.
	May 2023 Tunnels Zone	Site audit at Outbound Southern Portal.
	June 2023 West Zone	Site audit at Zone 201.
	July 2023 East Zone	Site audit at Bridge 82 Wurundjeri Way Extension over Dudley Street.
	August 2023 Tunnels Zone	Site audit at Northern Portal.

The IREA's view on conformance was informed by interviews with staff from the D&C Subcontractor, and review of relevant systems, tools and documentation developed and implemented. The IREA has reported on findings raised between 1 March 2023 and 31 August 2023, and on findings closed between 1 April 2023 and 30 September 2023. Findings closed between 1 and 31 March 2023 have been included in the previous reporting period (September 2022 – February 2023).

2.3.1 Design and Construction Activities – March 2023 to August 2023

Construction activities continue across the Project. Recent key activities include:

- West Subzone 201: Ramp 3 basin rock beaching and Kororoit Creek tie-in completed in downstream biofilter zone. Ramp 11 campaign conducted, including retaining wall 1 (RW-01) fascia panel installation. Ramp 7 fast lane rock beaching completed. Ramp 7 and Ramp 8 asphalting and drainage crossings. Bridge 13 works on expansion joints, barrier railing installation and abutment bearings reset. Bridge 14 existing railings coating completed, and Ramp 10 works ongoing with piling for feature lighting and landscaping at Gordon Luck area completed. Subzone 202A: completion of the construction of the soil nail wall capping beam works. Shared user path (SUP) concrete pavement works ongoing at Kororoit Creek north of Bridge 15. Civil works progressed around Misten Ave / Freemans Road along with the maintenance track to Crofts Reserve and gantries progressively installed along the West Gate Freeway. Subzone 202B: no works were undertaken at Bridge 22. At Bridge 23 taper plates were installed with monitoring ongoing. At Bridge 24 panel replacement was completed. No works were undertaken at Bridge 25. At Bridge 26 the spoon drain was completed, pavement and subsurface works commenced, and Intelligent Transport System (ITS) installation works continued. Subzone 203: at Bridge 30 the link slab pours were completed, stitch pours for the barriers were progressed, Pier 1 was completed, and fin balustrades installation ongoing. At Bridge 31 Pier 1 cross head was completed. No works were undertaken at Bridge 32. Pile extensions works were ongoing, Simcock Avenue and Douglas Parade pavement works ongoing, and box culvert works were completed at Hyde Street.
- Tunnel Tunnel boring machine and back-up gantry disassembly / recovery / burial works are ongoing at both southern portals. Excavation and support of mined cross passage XP01 is 50% complete and three of 11 service cross bores are complete. While ground treatment continues from the outbound tunnel. jacked cross passage works are suspended following loss of ground incident during break-out for cross passage XP14, which has temporarily stopped in-bye cross passage, low point sump and back end works in the inbound tunnel. While geophysical survey and void filling stabilisation works are effectively complete from tunnel and surface, design verification is underway to define the recovery approach and to inform ground treatment and probing actions going forward. Tunnel road and smoke duct corbels are 80% complete, tunnel mechanical and electrical support fit-out is 75% complete and roadside barriers are 10% complete, with planning underway for further civil and finishing works. The Northern Portal components and cladding team are substantially complete with phased roof deck handovers to the buildings team ongoing to commence sub-station and ventilation building precast installation. Inbound Southern Portal form reinforced pour works are 50% complete with the balance of precasting underway to complete internal components and cladding works. Mechanical and electrical fit-out and blockworks are underway within the Outbound Southern Portal in readiness for ventilation fans. The Freeway Control Centre (FCC) has progressed to plant level, with mechanical and electrical fit-out 80% complete on the ground floor and further building fit-out to follow ahead of commissioning. Outbound vent structure vertical construction stage 4 and 5 walls are 80% complete. The façade is complete for the outbound sub-station and roof precasting is underway. Balston Street Alternative Traffic Control Room (ATCR) punchlist items have been actioned with Intelligent Transport Systems (ITS) pre-commissioning underway and permanent power supply design under development. Internal and external bridge and viaduct cable containment, drainage, and fire main fit-out is ongoing in numerous elevated sections of Z400 and cable pulling is occurring in Z200. ITS and toll gantry structures and roadside cabinets are being progressively deployed with energisation to follow. Factory acceptance testing is being undertaken for Z300 HV (high voltage) and LV (low voltage) electrical equipment and ventilation fans prior to site mobilisation.
- East Subzone 401 (Bridge 50 Bridge 53): Typical tasks conducted include piling, parapet installation, asphalting, coating repairs, deck form reinforced pour works, pedestal construction, and pot bearing installation. Subzone 402 (Bridge 60 Bridge 62): Typical tasks conducted include span erection for precast box segments, deck form reinforced pour works, parapet installation, pot bearing welding, transfloor welding, pile cap excavation and construction, and driven piling. Subzone 403 (Bridge 70 Bridge 75): Typical tasks conducted include temporary erection for precast box segments, steel girder installation, span erection for precast box segments, deck construction, pot bearing welding, abutment D1-A form pour reinforcement works, and span erection for planks. Subzone 404 (Bridge 80 Bridge 84): Typical tasks conducted include civil works, steel girder installation, installation of median kerb, parapet installation, pile cap construction, precast pier installation, deck construction, and removal of existing Dynon Rd girders. Subzone 405 (Bridge 91): Typical tasks conducted include pile cap construction, and Footscray Road West civil works comprising of drainage works, pre-cast barrier installation, and pavement works.

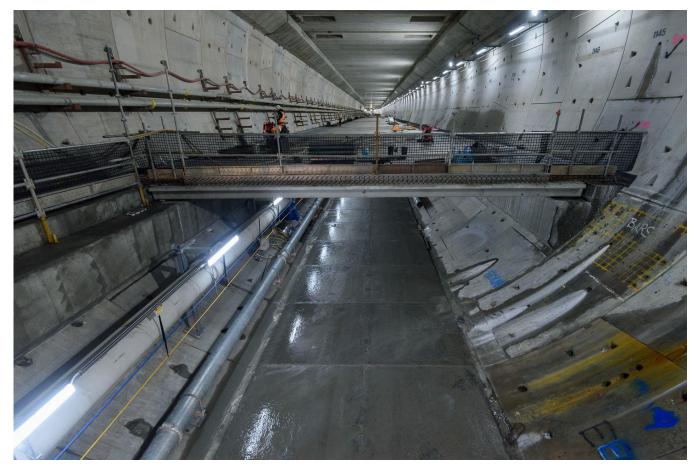


Photo 1 – Tunnel Zone (Source: WGTP MTIA, 8 March 2023)

2.4 Audit Findings Classification

Audit findings are classified in each audit according to the following definitions which are aligned with classifications provided by AS/NZS ISO14001: 2015, the Joint Accreditation System of Australia and New Zealand (JAS-ANZ), and audit classifications utilised on previous high-profile Victorian infrastructure projects. The definitions of conformance, non-conformance, opportunity for improvement, observation, and not applicable are provided below.

Conformance

There is suitable evidence to confirm that actions have been undertaken, prepared and/or implemented in full conformance with the requirements of the auditable element. Findings are reported by exception only, and as such conformances are not detailed within this report.

Non-conformance

An instance, event or occurrence that has not fulfilled a requirement that has been specified in the Strategy, CEMP, WEMP, EPRs, legislation, and approval conditions. A situation, which would, on the basis of available objective evidence raise significant doubt as to the effectiveness of environmental management.

Opportunity for Improvement

A deficiency in the implementation of the Strategy, CEMP, WEMPs, or associated documentation judged to be a risk to the environment, or to environmental management, without constituting an overall failure in the area concerned.

Observation

An audit finding which may relate to an incidental or isolated system discrepancy, which does not compromise the effectiveness of environmental management, or constitute an actual or potential environmental risk. Observations are also made to note a positive improvement on the Project.

Not Applicable

The auditable element falls outside the scope of the audit, e.g. work relevant to the element being audited has not yet commenced. Findings are reported by exception only, and as such 'Not Applicable' findings are not detailed within this report.

It should be noted that the audit only reports on non-conformances, areas for improvement and observations against the CEMP findings. All other areas within the scope of the audit should be assumed to be compliant. Where EPRs have been audited, compliance findings are also included.

The IREA does not require observations to be formally closed out after they have been issued and therefore will not report these in subsequent audit reports. It is the responsibility of the D&C Subcontractor and Project Co to address these findings.

Significance of Findings

The nature of findings may vary. In reviewing the results of audit findings, it is necessary to understand the context in which they have been issued. For instance, some findings may be administrative in nature compared with those that pose an immediate and/or significant risk to the environment. An example of an administrative finding might include the requirement for the D&C Subcontractor to use a particular system to record incidents, where this is defined in the CEMP. However, if the D&C Subcontractor has upgraded this system and replaced it with an alternative, this means the CEMP is now out of date and does not reflect current practices. The D&C Subcontractor in this case may not be conforming with the original CEMP (which is captured as a non-conformance in an audit), but it does not necessarily mean that incidents are not being reported. This requirement is likely to be modified in the next version of the CEMP. Administrative findings therefore do not always pose a significant risk to the environment.

Alternatively, if the D&C Subcontractor was found to have caused an incident resulting in a discharge to the river, this would be viewed as an environmental non-conformance of greater significance.

Similarly, some findings are localised (rather than systemic) in nature. For example, a non-conformance raised against a WEMP may reflect an immediate issue at a particular worksite, which can be addressed and closed out by taking immediate on-site action.

West Gate Tunnel Project



Photo 2 – Dynon Road – East Zone (Source: WGTP MTIA, 30 June 2023)

3 SIX-MONTHLY AUDIT FINDINGS

The key findings arising from the IREA's most recent six months of auditing are included in the sub-sections below.

- Section 3.1 summarises audit findings of the Strategy.
- Section 3.2 outlines findings of formal auditing and checking of EPRs.
- Section 3.3 describes audit findings against the CEMP and subplans.
- Section 3.4 provides findings of the WEMP audits.

3.1 Environmental Management Strategy

Audits of the Strategy are conducted six-monthly, with one conducted during this reporting period. Overall, Project Co was found to be meeting their obligations under the Strategy.

No adverse findings were raised against Project Co during the Strategy audit.

Previous reporting periods

No findings remain open from previous reporting periods.

3.2 Environmental Performance Requirements

The majority of EPRs formally audited during this reporting period were considered compliant. While no non-conformances were raised, one (1) opportunity for improvement and three (3) observations were raised during this reporting period. The following sub-sections focuses on non-conformances and opportunities for improvement raised in this reporting period and previous reporting periods.

Project Co / the D&C Subcontractor is responsible for delivering the majority of EPRs listed below unless otherwise specified as being delivered by the State.

3.2.1 Environmental Management

Two environmental management EPRs were audited during this reporting period, which included EMP2 and EMP4. No non-conformances or opportunities for improvement were raised.

Previous reporting periods

Two opportunities for improvement against EMP4 remain open from previous auditing periods.

Refer also to related CEMP findings in Section 3.3.

3.2.2 Air Quality

Three air quality EPRs were audited during this reporting period, which included AQP1, AQP4, and AQP6. All were deemed compliant.

The IREA also notes that two AQP EPRs were not audited in the audit period as they relate to the operational phase, which does not currently relate to the scope of the Project. These inactive EPRs are AQP5 and AQP7.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Air Quality Management Plan findings in Section 3.3.1.

3.2.3 Business

No business EPRs were audited during this reporting period.

Previous reporting periods

Two opportunities for improvement remain open against BP5 from previous reporting periods.

Refer also to related Business Involvement Plan findings in Section 3.3.14.

3.2.4 Cultural Heritage

Four cultural heritage EPRs were audited during this reporting period, namely CHP1, CHP5, CHP8, and CHP9. All were deemed compliant.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Heritage Management Plan findings in Section 3.3.8.

3.2.5 Contaminated Soil and Spoil Management

No contaminated soil and spoil management EPRs were audited during this reporting period.

Previous reporting periods

One opportunity for improvement remains open against CSP2 from previous reporting periods.

Refer also to related Soil and Spoil Management Plan findings in Section 3.3.10.



Photo 3 - Footscray Road - East Zone (Source: WGTP MTIA, 16 June 2023)

3.2.6 Ecology

Five ecology EPRs were audited during this reporting period, namely EP1, EP2, EP4, EP5, and EP7. All were deemed compliant.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Flora and Fauna Management Plan findings in Section 3.3.4.

3.2.7 Greenhouse Gas Emissions

Two greenhouse gas emissions EPR was audited during this reporting period, namely GGP1, GGP2. No non-conformances or opportunities for improvement were raised.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Energy Management Plan findings in Section 3.3.3.

3.2.8 Ground Movement

Four ground movement EPRs were audited during this reporting period, namely GMP2, GMP3, GMP4, and GMP6. One opportunity for improvement was raised against GMP3 during this reporting period.

Previous reporting periods

One opportunity for improvement against GMP5 remains open from previous reporting periods.

Refer also to related Ground Movement Management Plan findings in Section 3.3.5.

3.2.9 Groundwater

Six groundwater EPRs were audited during this reporting period, namely GWP1, GWP2, GWP4, GWP5, GWP6, and GWP7. All were deemed compliant.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Groundwater Management Plan findings in Section 3.3.6.

3.2.10 Land Use

No land use EPRs were audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Landscape Management Plan findings in Section 3.3.13.

3.2.11 Landscape and Visual

No landscape and visual EPRs were audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to related Landscape Management Plan findings in Section 3.3.13.

3.2.12 Noise and Vibration

Ten noise and vibration EPRs were audited during this reporting period, namely NVP1, NVP2, NVP5, NVP7, NVP8, NVP10, NVP11, NVP12, NVP13, and NVP18. No findings were raised during this reporting period.

The IREA also notes that a number of NVP EPRs were not audited in the audit period as they relate to blasting, tunnelling and/or operational phase, which were not relevant to the scope of the Project at the time of auditing. These inactive EPRs are NVP3, NVP6, NVP9, NVP15, NVP16 and NVP17.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to Construction Noise and Vibration Management Plan findings in Section 3.3.2.

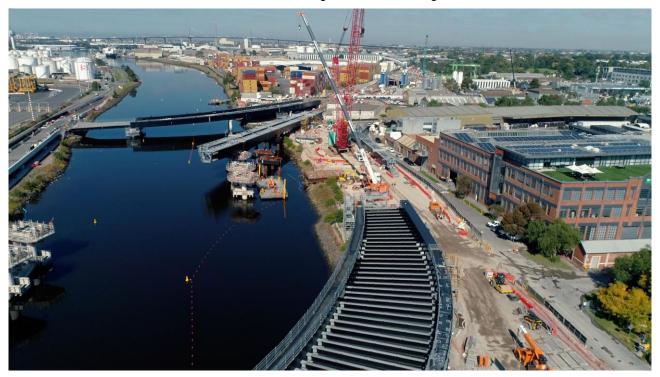


Photo 4 - Maribyrnong River - East Zone (Source: WGTP MTIA, 1 April 2023)

3.2.13 Social

Two social EPRs was audited during this reporting period, namely SP1 and SP2. No findings were raised during this reporting period.

Previous reporting periods

Two opportunities for improvement remain open against SP2 from previous reporting periods.

3.2.14 Surface Water

Five surface water EPRs were audited during this reporting period, namely SWP6, SWP7, SWP9, SWP10, and SWP11. No findings were raised during the reporting period.

Previous reporting period

No findings remain open from previous reporting periods.

Refer also to Water Management Plan findings in Section 3.3.12.

3.2.15 Transport

Four transport EPRs were audited this reporting period, namely TP2, TP3, TP5, and TP7. No non-conformances or opportunities for improvement were raised.

Previous reporting periods

No findings remain open from previous reporting periods.

3.2.16 Waste Management

No waste management EPR was audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to Waste Management Plan findings in Section 3.3.11.

3.3 Construction Environmental Management Plan

Overview

CEMP audits are conducted on a quarterly basis, with two CEMP audits conducted during the reporting period.

During the May 2023 audit the following management plans and sections were audited:

- CEMP (Element 3, Element 12)
- Air Quality Management Plan (Section 6, Section 9)
- Construction Communication and Community Engagement Management Plan
- Hazardous Substances Management Plan (Section 4, Section 5)
- Water Management Plan (Section 5, Section 6)

During the August 2023 audit the following management plans and sections were audited:

- CEMP (Element 8, Element 9)
- Construction Noise and Vibration Management Plan (Section 5, Section 6, Section 7, Section 9)
- Flora and Fauna Management Plan (Section 5, Section 6)
- Ground Movement Management Plan (Section 3, Section 4, Section 5)
- Groundwater Management Plan (Section 4, Section 5, Section 6, Section 7)

Current Reporting Period

No non-conformances or opportunities for improvement were raised during this reporting period.

Previous Reporting Periods

One opportunity for improvement remains open against the CEMP from previous reporting periods.

3.3.1 Air Quality Management Plan

No adverse findings were raised against the Air Quality Management Plan (AQMP) during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.2 for findings relating to air quality EPRs.

3.3.2 Construction Noise and Vibration Management Plan

No adverse findings were raised against the Construction Noise and Vibration Management Plan (CNVMP) during this reporting period.

Previous reporting periods

One opportunity for improvement remains open from previous reporting periods.

Refer to Section 3.2.12 for findings relating to noise and vibration EPRs.

3.3.3 Energy Management Plan

The Energy Management Plan (EMP) was not specifically audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.7 for findings relating to greenhouse gas emissions EPRs.

3.3.4 Flora and Fauna Management Plan

No adverse findings were raised against the Flora and Fauna Management Plan (FFMP) during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.6 for findings relating to ecology EPRs.

3.3.5 Ground Movement Management Plan

No adverse findings were raised against the Ground Movement Management Plan (GMMP) during this reporting period.

Previous reporting periods

One opportunity for improvement remains open against the Ground Movement Management Plan (GMMP) relating to the management and storage of information.

Refer to Section 3.2.8 for findings relating to ground movement EPRs.

3.3.6 Groundwater Management Plan

No adverse findings were raised against the Groundwater Management Plan (GWMP) during this reporting period.

Previous reporting periods

No finding remains open from previous reporting periods.

Refer to Section 3.2.9 for findings relating to groundwater EPRs.

3.3.7 Hazardous Substances Management Plan

No adverse findings were raised against the Hazardous Substances Management Plan during this reported period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.14 for findings relating to hazardous substances EPRs.

3.3.8 Heritage Management Plan

The Heritage Management Plan (HMP) was not specifically audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.4 for findings relating to cultural heritage EPRs.

3.3.9 Lighting Management Plan

The Lighting Management Plan (LMP) was not specifically audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

3.3.10 Soil and Spoil Management Plan

The Soil and Spoil Management Plan was not specifically audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to Section 3.2.5 for findings relating to soil and spoil EPRs.

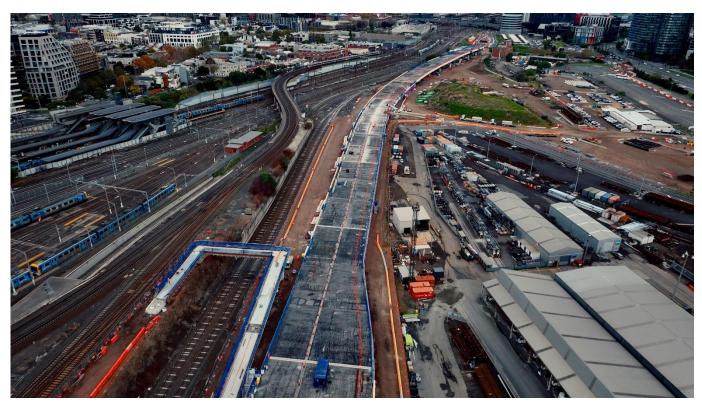


Photo 5 – Wurundjeri Way – East Zone (Source: WGTP MTIA, 6 June 2023)

3.3.11 Waste Management Plan

The Waste Management Plan (WstMP) was not specifically audited during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer also to Section 3.2.16 for findings relating to waste EPR.

3.3.12 Water Management Plan

No adverse findings were raised against the Water Management Plan (WMP) during this reporting period.

Previous reporting periods

No findings remain open from previous reporting periods.

Refer to Section 3.2.14 for findings relating to surface water EPRs.

3.3.13 Landscape Management Plan

The Landscape Management Plan (LdMP) was not specifically audited during this reporting period.

The LdMP is not a subplan to the CEMP. The CEMP refers to a suite of other management plans, including the LdMP, which are required to demonstrate how these and other EPRs will be complied with.

Previous reporting periods

No findings remain open from previous reporting periods.

3.3.14 Business Involvement Plan

The Business Involvement Plan (BIP) was not specifically audited during this reporting period. The BIP is not a subplan to the CEMP. The CEMP refers to a suite of other management plans, including the BIP, which are required to demonstrate how these and other EPRs will be complied with.

Previous reporting periods

No findings remained open against the BIP from previous reporting periods.

Refer to Section 3.2.3 for findings relating to business EPRs.

3.3.15 Construction Communications and Community Engagement Plan

No adverse findings were raised against the Construction Communications and Community Engagement Plan (CCCEP) during this reporting period.

The CCCEP is not a subplan to the CEMP. The CEMP refers to a suite of other management plans, including the CCCEP, which are required to demonstrate how these and other EPRs will be complied with.

Previous reporting periods

No findings remain open from previous reporting periods.

3.4 Worksite Environmental Management Plan

WEMP audits are conducted monthly, with six WEMP audits conducted during this reporting period. A total of three findings was raised in this reporting period and two in the previous reporting period. Findings raised during this reporting period comprised:

- No non-conformances.
- Two (2) opportunities for improvement.
- One (1) observation.

Of all WEMP findings:

- 33% related to Surface water management.
- 33% related to Flora and fauna management.
- 33% related to Hazardous substances management.

These figures are reflective of the types of works happening across the Project. The D&C Subcontractor has maintained their on-site environmental management, resulting in an increase by three findings during this reporting period.

Seven (7) opportunities for improvement were closed during this reporting period, and zero opportunities for improvement remain open from previous reporting periods.

The reporting period saw a decrease in the number of findings open compared to the previous reporting period. In total there are zero outstanding findings remaining open from previous reporting periods.

3.4.1 West Zone

Refer to Section 2.3.1 for an update on construction activities in the West Zone.

Two opportunities for improvement were raised during WEMP audits of the West Zone in this reporting period which concerned Tree Protection Zones (TPZ) fencing being absent around several mature trees located at adjacent to the intersection works at Simcock Avenue and Hyde Street and part of the sediment fence along Koroit Creek observed to be loose at one location.

Previous reporting periods

Five opportunities for improvement were closed from previous reporting periods.

No opportunities for improvement remain open from previous reporting periods.

3.4.2 Tunnel Zone

Refer to Section 2.3.1 for an update on construction activities in the Tunnel Zone.

One observation was raised during WEMP audits of the Tunnel Zone in this reporting period relating to hazardous substances storage and several containers not being stored within a bunded storage container or stored with temporary bunding in place.

Previous reporting periods

No findings remain open from previous reporting periods.

3.4.3 East Zone

Refer to Section 2.3.1 for an update on construction activities in the East Zone.

No findings were raised during WEMP audits of the East Zone in this reporting period.

Previous reporting periods

Two opportunities for improvement were closed from previous reporting periods.

No opportunities for improvement remains open from previous reporting periods.

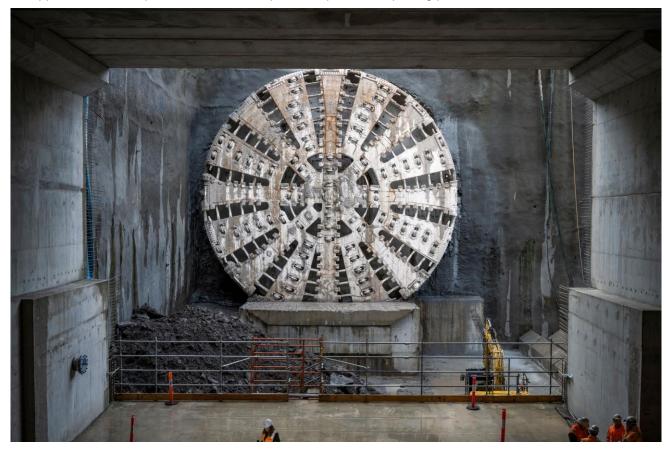


Photo 6 - TBM Bella - Tunnel Zone (Source: WGTP MTIA, 8 May 2023)

4 AUDIT CONCLUSIONS

Environmental Management Strategy

Project Co is generally meeting their obligations under the Strategy. No adverse findings were raised during this reporting period.

No findings remain open from previous reporting periods.

These findings are detailed further in Section 3.1 of the report.

Environmental Performance Requirements

During the last six-month reporting period the IREA formally audited 47 EPRs. The majority of EPRs audited during the reporting period were deemed compliant. The findings raised consisted of:

- No non-conformances were raised during this audit period.
- One opportunity for improvement was raised.
- Three observations were raised during this audit period relating to environmental management, greenhouse gas emissions, and transport management.

Four opportunities for improvement were closed against Groundwater (GWP3), Greenhouse Gas Emissions (GGP2), Ground Movement (GMP3), Construction Noise and Vibration (NVP18), and Surface Water (SWP7) from previous reporting periods. In total there are 8 findings remaining open at the end of this reporting period, comprising of 8 opportunities for improvement. The IREA will continue to work with Project Co/D&C Subcontractor to close out any outstanding findings.

A full list of EPR findings raised and the status of previous findings is detailed in Section 3.2. Also refer to Appendix A for a summary of EPR compliance status and the upcoming EPR auditing schedule.

Construction Environmental Management Plan

The last six-month reporting period focused on auditing a range of CEMP elements and subplans.

The CEMP audit findings for the May 2023 quarterly audit is summarised below:

- · No non-conformances were raised during this audit.
- No opportunities for improvement were raised during this audit.
- No observations were raised.

The CEMP audit findings for the August 2023 quarterly audit is summarised below:

- · No non-conformances were raised during this audit.
- No opportunities for improvement were raised during this audit.
- Four observations were also raised.

Eight opportunities for improvement were closed from previous reporting periods against the Air Quality Management Plan (AQMP), Construction Environmental Management Plan (CEMP), Ground Movement Management Plan (GMMP), and the Soil and Spoil Management Plan. In total there are 3 findings remaining open at the end of this reporting period, comprising 3 opportunities for improvement. The IREA will continue to work with Project Co / D&C Subcontractor to close out any outstanding findings.

Details of the CEMP findings are listed in Section 3.3.

Worksite Environment Management Plans

During the reporting period six WEMP audits were conducted. A total of three findings were raised in this reporting period. These consisted of:

- No non-conformances.
- Two opportunities for improvement.

One observation.

The D&C Subcontractor has maintained their system processes and environmental management on site, resulting in a similar number of new audit findings from two findings in the previous reporting period to three during this reporting period. Seven opportunities for improvement were closed during this reporting period. In total there are zero (0) WEMP audit findings remaining open.

The WEMP findings are further detailed in Section 3.4.

Conclusions

The findings arising from the reporting period by the IREA have not identified any immediate significant or material risks to the environment.

Implementation of the EPRs was found to be generally compliant, with one (1) opportunity for improvement and three (3) observations during the reporting period:

One (1) opportunity for improvement was raised relating to ground movement, and three (3) observations
were raised during this audit period relating environmental management, greenhouse gas emissions, and
transport management.

Nineteen audit findings from previous reporting periods were closed, including eight CEMP findings (eight opportunities for improvement), seven WEMP findings (seven opportunities for improvement) and four EPR findings (four opportunities for improvement). In total there are 11 findings remaining open at the end of this reporting period, comprising 11 opportunities for improvement. The IREA will continue to work with Project Co/D&C Subcontractor to close out any outstanding findings.

A full list of EPR findings raised and the status of previous findings is detailed in Section 3.2. Also refer to Appendix A for a summary of EPR compliance status and the upcoming EPR auditing schedule.



Photo 7 - Williamstown Road Interchange - West Zone (Source: WGTP MTIA, 20 March 2023)

APPENDIX A- EPR AUDITING STATUS

Phase: D = Design; PC = Pre-construction; C = Construction; PC = Pre-operation; O = Operation

Type of review and surveillance: MP = Management Plan; DP = Design Package; CR = Construction Documentation Review; CS = Construction Surveillance

E	Environmental Performance Requirements		Revi Surve	ew & illanc			Au	ıdit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
			DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Filase	Addit and Addit I maings Status (As of September 2023)	Responsible Falty
ENVIRO	NMENTAL MANAGEMENT											
EMP1	Environmental Management Strategy	Х								All	The IREA audited this EPR in August 2018 and it was deemed compliant. The IREA do not intend to audit this EPR again unless the EMS is updated.	Project Co (WGTP MTIA will publish the Strategy)
EMP2	Environmental Management Plans	Х		Х	X	х				All	An observation was raised in May 2023 (May-23_EPR_01). As agreed on 1 February 2019 observations are to be closed once reported on initially.	D&C / OpCo
EMP3	Environmental Compliance								Х	PC, C, O	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C / OpCo (WGTP MTIA will forward audit reports to Minister for Planning and will publish audit reports only)
EMP4	Complaints Management System	х				х				PC, C	The IREA audited this EPR in May 2023 and it was deemed compliant, while noting the previous findings remain open. An opportunity for improvement was raised in August 2018 (Aug-18_EPR_04) and another in May 2019 (May-19_EPR_02). Both findings remain open.	D&C
AIR QU	ALITY											
AQP1	Tunnel Ventilation System Design		Х			х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
AQP2	Zero Portal Emissions		х		х					D, O	The IREA audited this EPR in May 2020 and it was deemed compliant. As the design component is complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C / OpCo
AQP3	In Tunnel Air Quality		х		х					D, O	The IREA audited this EPR in May 2020, and it was deemed compliant. As the design component is complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C / OpCo
AQP4	Ambient Air Quality Monitoring	Х			Х	Х				C, O	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C / OpCo
AQP5	In Tunnel Air Quality and Ventilation Structure Emissions Compliance									0	Not yet audited. Not applicable to construction phase. Ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	OpCo
AQP6	Air Quality During Construction	Х		Χ	Χ	Х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
AQP7	Roadside Air Quality Mitigation Strategy									0	Not yet audited. Not applicable to construction phase. Ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	WGTP MTIA (OpCo)
BUSINE	SS											
BP1	Damage or Impacts on Third Party Property and Infrastructure	Х	Х	Х	Х			Х		D, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
BP2	Access and Amenity for Business and Commercial Facilities		Х	Х	Х			Х		D, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C

Eı	Environmental Performance Requirements		Revi Surve	ew & illanc			Au	ıdit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
			DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Tilase	Addit and Addit I manigo Status (No Si Soptombol 2020)	Responsible Furty
BP3	Screening		Х	Х	Х			Х		С	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
BP4	Impacts on Operation of Community, Private Recreation and Council Facilities and Services		x	x	x			х		All	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C / OpCo
BP5	Business Involvement Plan	х		X	х				Х	PC, C	The IREA audited this EPR in February 2023 and it was deemed compliant, while noting the previous findings remain open. An opportunity for improvement was raised in August 2018 (Aug-18_EPR_07) and another in August 2019 (Aug-19_EPR_26). Both findings remain open.	D&C
BP6	Utility Assets		Х	Χ	Χ				Χ	D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
BP7	Gas Utilities		X	X	X				X	D, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
BP8	Business Disruption		Χ	X	X				Χ	D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
BP9	Business Acquisition Process		Х	X	Х					D, C	The IREA audited this EPR in November 2021 and it was deemed compliant. MTIA has confirmed that ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	WGTP MTIA
CULTUF	CULTURAL HERITAGE											
CHP1	Cultural Heritage Management Plan	Х	Х	Х	Х	Х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
CHP2	Design and Construction to Minimise Impacts on Heritage		Х	Х	Х			Х		D, PC, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
CHP3	Archaeological Management Plan	Х		Х	Х			Х		PC, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
CHP4	Monitoring of Heritage Sites and Places		X	Х	X				Х	С	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
CHP5	Archival Photographic Records		х			X				PC	The IREA audited this EPR in May 2023 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
CHP6	Port Phillip Monument		Χ					X		D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
CHP7	Heritage Interpretation Strategy	Χ	Χ					X		PC, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
CHP8	Shipwrecks	х	X	X	X	х				PC, C	The IREA audited this EPR in May 2023 and it was deemed complaint. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
CHP9	Maribyrnong River Front (Footscray)		Х	Х	Х	х				D	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
CHP10	Bluestone Bridge		Χ					Χ		С	The IREA audited this EPR in November 2022 and it was deemed complaint.	D&C

Environmental Performance			Revi Surve	ew & illanc			Αι	ıdit		_ Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
	Requirements	MP	DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Thuse	Addit and Addit I manigo Status (AS SI September 2020)	ixesponsible i urty
CHP11	Rail Turntables		Х	х	х					D	The IREA audited this EPR in November 2019 and it was deemed complaint. As the design component is complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
CHP12	Flinders Street							Χ		С	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
CONTAN	MINATED SOIL AND SPOIL MANA	AGEM	ENT									
CSP1	Contaminated Soil Requirements	х	Х	х	Х			Х		С	The IREA audited this EPR in August 2022. An observation was raised (Aug-22_EPR_14). As agreed on 1 February 2019 observations are to be closed once reported on initially	D&C
CSP2	Contaminated Soil and Spoil Management	Х	Х	Х	X			Х		PC, C	The IREA audited this EPR in August 2022. No finding was raised, a related finding raised in November 2020 against EPR CSP2 (refer Nov-20_EPR_09) remains open.	D&C
CSP3	Acid Sulphate Soil	Х		Χ	Χ			Χ		PC, C	The IREA audited this EPR in August 2022 and it was deemed compliant.	D&C
CSP4	Odour Management	Χ		Χ	Χ			Χ		С	The IREA audited this EPR in August 2022 and it was deemed compliant.	D&C
ECOLOG	SY .											
EP1	Minimise Vegetation Removal and Disturbance		Х	Х	Х		Х			D, PC,	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
EP2	Vegetation Protection Measures	Χ	Х	Χ	Х		Х			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
EP3	Reinstatement		Х	Χ	Χ				Χ	С	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
EP4	Fauna Management Measures	Х	Х	Χ	Χ		Χ			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
EP5	Works on Waterways		Х	Χ	Χ	Х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
EP6	Landscaping Plan		Х					х		D, PC, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
EP7	Vegetation Offsets	х		х	Х		Х			С	The IREA audited this EPR in August 2023 and it was deemed compliant. As the design component is complete and construction areas substantially established, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	WGTP MTIA D&C
GREENH	OUSE GAS EMISSIONS											
GGP1	Greenhouse Gas Emissions		х	х	х	х				D	The IREA audited this EPR in May 2023 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
GGP2	Emissions Reduction		Х	Χ	Χ	Х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
GROUNI	OMOVEMENT											
GMP1	Geotechnical Model and Assessment		Х	Х	Х			Х		PC, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
GMP2	Tunnel and Portal Drainage		Χ	X	Χ		X			D, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C

Er	nvironmental Performance		Revi Surve	iew &			Au	ıdit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
Requirements Condition Surveys and		MP	DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Tilase		Responsible Farty
GMP3	Condition Surveys and Determination of Settlement Criteria for Property and Infrastructure		х	х	х	х				PC, C, O	An opportunity for improvement was raised in May 2023 (May-23_EPR_13) and was closed in September 2023.	D&C / OpCo
GMP4	Settlement Criteria for Utilities		Χ	Χ	Χ		Χ			PC	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
GMP5	Ground Movement Monitoring	Х	х	Х	X				Х	PC, C, O	The IREA audited this EPR in February 2023 and it was deemed compliant, while noting the previous findings remains open. An opportunity for improvement was raised in November 2021 (Nov-21_EPR_13) and remains open.	D&C / OpCo
GMP6	Mitigation of Ground Movement Impact	Х	Х	Х	X		Х			C, O	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C / OpCo
GROUN	DWATER		<u> </u>									
GWP1	Groundwater Management Measures	Х	Х	Х	Х		Х			PC, C, O	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C / OpCo
GWP2	Protection of Groundwater Quality	Х		Х	Х		Х			С	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
GWP3	Tunnel Drainage Design and Construction Methods		х	Х	х				Х	D, PC, C	An opportunity for improvement was raised in February 2023 (Feb-23_EPR_12) and was closed in May 2023.	D&C
GWP4	Predictive Groundwater Model		Χ	Χ	Χ		Х			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
GWP5	Groundwater Monitoring			Х	X		х			PC, C, O	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C / OpCo
GWP6	Interception of Groundwater	Χ	Χ	Χ	Χ		Х			С	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
GWP7	Impacts on Groundwater Users		Χ	Χ	Χ		Χ			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
LAND U	SE											
LPP1	Minimise Design Footprint		х							D	The IREA audited this EPR in May 2022 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
LPP2	Recreation Facilities		Χ	Χ	Χ				X	D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
LPP3	Future Development Opportunities		х							D	The IREA audited this EPR in May 2021 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
LPP4	Pedestrian and Bicycle Connections		х							D	The IREA audited this EPR in May 2021 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
LPP5	Public Land		Х	X	Х				Х	D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
LANDSO	CAPE AND VISUAL											

Environmental Performance			Revi Surve	ew & illanc			Αι	ıdit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
	Requirements	MP	DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Tiluoc	Addit and Addit I manigo otatas (As of September 2025)	responsible rulty
LVP1	Urban Design Approach		х	х	х					D, C	The IREA audited this EPR in February 2023 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
LVP2	Reinstatement Following Temporary Works		X						Х	D, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
LVP3	Light Spillage	Х	Χ	Χ	Χ			Χ		D, C	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
LVP4	Vegetation Screening		Х					Χ		С	The IREA audited this EPR in November 2022 and it was deemed compliant.	D&C
LVP5	Design Review							Х		D	The IREA audited this EPR in November 2022 and it was deemed compliant.	WGTP MTIA (on receipt of relevant design documentation in accordance with the design review process)
NOISE A	AND VIBRATION											
NVP1	Traffic Noise Limits		X	Χ	Х		Χ			D, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
NVP2	Traffic Noise Reduction of Open Space		Х	Х	X	х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
NVP3	Maintenance of Noise Mitigation Measures									0	N/A - operational EPR	OpCo (for the maintenance of noise mitigation measures in accordance with sections 18.4 and 18.5 of Part B, otherwise WGTP MTIA)
NVP4	Traffic Noise Reduction of Millers Road North of West Gate Freeway								х	РО	The IREA audited this EPR in February 2023 and it was deemed compliant.	State
NVP5	Construction of Noise Barriers		Χ	Χ	Χ	Х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
NVP6	Traffic Noise Monitoring		Х							PO, O	Based on Project status this is currently not relevant.	OpCo (for the O&M phase in accordance with sections 18.4 and 18.5 of Part B, otherwise WGTP MTIA)
NVP7	Construction Noise, Vibration Management, and Monitoring	Х		Х	X		Х			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
NVP8	Construction Noise Targets			Х	Х		X			С	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
NVP9	Blasting Trials and Assessment									С	The IREA audited this EPR in February 2019 and it was deemed compliant. It will not be audited in the 2022 – 2023 audit period as it is not relevant to the current scope.	D&C
NVP10	Construction Vibration Targets (Amenity)			Х	X		Х			С	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
NVP11	Construction Vibration Targets (Structures)			X	X		Х			С	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C
NVP12	Ground-borne (Internal) Noise Targets					х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
NVP13	Utility Asset Protection		Χ	Χ	Χ		Χ			PC, C	The IREA audited this EPR in August 2023 and it was deemed compliant.	D&C

Er	Environmental Performance Requirements		Revi Surve		е		Au	dit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
			DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	riidae	Addit and Addit I maings status (As of September 2023)	Responsible Falty
NVP14	Tunnel Ventilation System Noise Design				Х					D, O	The IREA audited this EPR in May 2020 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C / OpCo
NVP15	Tunnel Ventilation System Noise Monitoring									0	N/A - operational EPR	OpCo
NVP16	Amenity Blast Vibration									С	The IREA audited this EPR in February 2019 and it was deemed compliant. It will not be audited in the 2022 – 2023 audit period as it is not relevant the current scope.	D&C
NVP17	Amenity Blast Overpressure Implement									С	The IREA audited this EPR in February 2019 and it was deemed compliant. It will not be audited in the 2022 – 2023 audit period as it is not relevant to the current scope.	D&C
NVP18	Construction Noise Management	Х		Х	х			Х		С	An opportunity for improvement was raised in August 2020 (Aug-20_EPR_24) and was closed in September 2023.	D&C
NVP19	Traffic Noise of Hyde Street, South of Francis Street									С	The IREA audited this EPR in February 2020 and it was deemed compliant. It will not be audited in the 2022 – 2023 period as it is considered closed.	WGTP MTIA
SOCIAL												
SP1	Urban Design Principles and Vision		Х			Х				D	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SP2	Communications and Community Engagement Plan (CCEP)	Х		х	Х	х				PC, C, O	The IREA audited this in May 2023 and it was deemed compliant, while noting the previous findings remain open. Two opportunities for improvement were raised in May 2019 (May-19_EPR_26, May-19_EPR_27) and remain open.	D&C / OpCo
SP3	Community Liaison Group Participation								Х	С	The IREA audited this in February 2023 and it was deemed compliant.	D&C / WGTP MTIA
SP4	Social and Local Procurement	Χ							Χ	PC, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
SP5	Community Involvement and Participation Plan (CIPP)	Х							Х	PC, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	WGTP MTIA
SURFAC	CE WATER											
SWP1	Design of Discharges and Runoff		Х							D	The IREA audited this EPR in May 2021 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
SWP2	Water Sensitive Road Design		Х							D	The IREA audited this EPR in November 2019 and it was deemed compliant. It will not be audited in the current audit period as it is considered closed.	D&C
SWP3	Tunnel Waste Water		х	х	х					PC	The IREA audited this EPR in February 2020 and it was deemed compliant. This EPR relates to operations-phase waste water. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
SWP4	Water Quality Monitoring	х		Х	Х					PC	The IREA audited this EPR in August 2018 and it was deemed compliant. It will not be audited in the current audit period as it is considered closed.	D&C

Er	Environmental Performance		Revi Surve	ew & illanc			Au	ıdit		Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party
Requirements		MP	DP	CR	CS	May- 23	Aug- 23	Nov- 23	Feb- 24	. Fliase	Addit and Addit Findings Status (As of September 2023)	Responsible Fally
SWP5	Spill Containment Design		Х		х					D	The IREA audited this EPR in November 2019 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
SWP6	Management of Chemicals, Fuels, and Hazardous Materials	Х		X	X	Х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SWP7	Surface Water Management During Construction	Х		Х	Х	Х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SWP8	Use of non-potable water		Χ	Χ	Χ				Х	С	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
SWP9	Bank Stability		X	Х	Х	Х				С	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SWP10	Waterway Modifications		X			Х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SWP11	Flood Levels, Flows and Velocities		Х	X	X	Х				D, PC, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
SWP12	Floodplain Storage Capacity		Х	X	Х					D	The IREA audited this EPR in May 2021 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C
SWP13	Tunnel Portal Flood Risk		Х		х					D, O	The IREA audited this EPR in November 2019 and it was deemed compliant. As relevant design components are component is complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C / OpCo
SWP14	Maintenance of Melbourne water and Other Drainage Assets		х	x	х					D	The IREA audited this EPR in May 2020 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
SWP15	North Yarra Main Sewer		Х							D	The IREA audited this EPR in February 2019 and it was deemed compliant. It will not be audited in the current audit period as it is considered closed.	D&C
TRANSF	PORT											
TP1	Optimise Design Performance		Х							D	As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C
TP2	Traffic Monitoring			Х	Х	х				PC, C, O	The IREA audited this in May 2023 and it was deemed compliant.	D&C / OpCo
TP3	Traffic Management Plan	х		Х	Х	х				PC, C	An observation was raised in May 2023 (May-23_EPR_25). As agreed, on 1 February 2019 observations are to be closed once reported on initially.	D&C
TP4	Public Transport		Х	Х	Х				Х	PC, C	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C
TP5	Rail operations		Χ			Х				D, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C
TP6	Design Standards		x		х					D, C	The IREA audited this EPR in August 2021 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing.	D&C

E	Environmental Performance Requirements			iew &		Audit				Phase *	Audit and Audit Findings Status (As of September 2023)	Responsible Party	
			DP	CR	cs	May- 23	Aug- 23	Nov- 23	Feb- 24	Tildoc		responsible rulty	
TP7	Traffic Management Liaison Group			Х	Х	Х				PC, C	The IREA audited this EPR in May 2023 and it was deemed compliant.	D&C	
TP8	River Navigation		Χ	X	Χ				Χ	С	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C	
TP9	Melbourne Metro Rail Authority Interface				X					С	The IREA audited this EPR in August 2022 and it was deemed compliant. As relevant design components are complete, ongoing surveillance of the implementation of this EPR will be through other established IREA monitoring processes, rather than explicit auditing, until the operations phase is relevant.	D&C	
WASTE	WASTE MANAGEMENT												
WMP1	Waste Management	Χ	Χ	Χ	Χ				X	D, C, O	The IREA audited this EPR in February 2023 and it was deemed compliant.	D&C / OpCo	

APPENDIX B - IREA SPECIALIST TEAM

The formal audits described in this Minister's Report have been undertaken by the lead IREA Environment Auditor, Hilary Chapman and Assistant Environment Auditors, Camilla Freestone, Jamie Crawford, and Jin-Sol Lee. The Lead Auditor was supported by a team of specialists, including (but not limited to):

- IREA Air Quality Subject Matter Expert Iain Cowan
- IREA Construction Noise and Vibration Subject Matter Expert Tim Ryan, Duncan Banks
- IREA Groundwater Subject Matter Expert Tim Wilkinson
- IREA Technical Lead for Ground Movement, Stuart Oakey
- IREA Technical Lead for Sustainability, Bernadette Fitzgerald.

This report has been reviewed by the IREA Representative, Geoff Shepherd.

APPENDIX C - AUDIT LIMITATIONS

This report was prepared in accordance with generally accepted consulting practice for audit services. The environmental audit requires the IREA to apply a process of "general overview and reasonable checking" of the Project documentation and Design and Construction activities (as required under the contract between the IREA and Project Co / WGTP MTIA). The audit program is risk-based, targeting those Design and Construction activities with a potential for risk to the environment or to environmental management arrangements. Accordingly, it is possible that not all environmental issues will be examined during each audit. However, the IREA maintains a structured program of audits designed to cover all aspects of the Project and to enable the formation of an opinion on whether there is conformance with the requirements of the Strategy, CEMP (and subordinate documentation), WEMPs, and the EPRs (as applicable).