



INDEPENDENT AUDIT NO. 1 – AUDIT REPORT

SYDNEY METRO CITY & SOUTHWEST – BARANGAROO
STATION
SSI 7400

MAY 2022

Authorisation

Author name	Steve Fermio	Reviewer / approver name	Derek Low
Author position	Principal Auditor	Review position	Principal Auditor
Author signature		Reviewer / approver signature	
Date	7/06/22	Date	7/06/22

Document Revision History

Revision	Date	Details
1.0	31/05/2022	Draft for auditee's comment
2.0	7/6/2022	Final report

Report Name: Independent Audit No. 1 – Audit Report, Sydney Metro City & Southwest – Barangaroo Station – SSI 7400

Project No.: 479

Prepared for:
Transport for NSW
Level 26, 277 Pitt Street
Sydney, NSW, 2008

Prepared by:
WolfPeak Pty Ltd
T: 1800 979 716
W: www.wolfpeak.com.au

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EXECUTIVE SUMMARY

Sydney Metro is responsible for delivery of the Sydney Metro City & Southwest (C&SW) Project, which involves construction and operation of a new 30-kilometre stand-alone metro railway line that would run from the end of the Metro Northwest Line at Chatswood, through to Sydney CBD, and to Bankstown via Sydenham. In the city, Barangaroo will be one of the new stations constructed to service this line. Barangaroo Station was designed by Metron and construction will be delivered by BESIX Watpac.

Sydney Metro City and Southwest is classified as Critical State Significant Infrastructure (CSSI) under Division 5.2 of the NSW Environmental Planning and Assessment Act 1979 (EP&A Act) and State Environmental Planning Policy (State and Regional Development) 2011. Approval for this Project (CSSI_7400) was granted on 9 January 2017.

Construction of the new Barangaroo Station by BESIX Watpac will include:

- Site establishment
- Structural and civil completion works to the station box
- Fit-out, testing and commissioning of the new metro station
- Stormwater trunk mains works from Hickson road precinct to the existing pit at western end of the site
- Installation of a cooling water system within the Barangaroo cutaway and associated trenching and pipework including the connection of the system to an existing network of pipes in Sydney harbour
- Hickson Road precinct works including road, footpath, cycleway, landscaping, street lighting
- stormwater, utilities works and ventilation pod risers
- Backfilling and surface reinstatement of the temporary northern (Hickson Road) shaft including removal of the acoustic shed, and
- Staging and temporary works required to deliver the permanent works, including removal of the temporary Hickson Road bridge structure.

The project site is located North of the Barangaroo precinct, 30m below Hickson Road on the north-western edge of the Sydney CBD, and adjacent to Nawi Cove.

Excavation and station tunnelling work for the site commenced in October 2019 and finished in March 2021. Station fit-out works began in October 2021. Barangaroo station is scheduled to be completed by the end of 2023 and will open in 2024.

Condition A37 – A40 of Schedule 2 of CSSI 7400 set out the requirements for undertaking Independent Audits. This audit is being undertaken in accordance with the Audit Program prepared under A37 dated April 2022 and is the first audit in that program. The audit period is defined as October 2021 to the end of April 2022. This Independent Audit sought to verify compliance with the relevant conditions and assess the effectiveness of environmental management associated with the following aspects:

- Implementation of the Water Quality Monitoring Program and the Soil and Water Management Procedure
- Water quality collection, treatment and discharge
- Soil and water controls
- Implementation of the Heritage Management Plan
- Implementation of the Out of Hours Work Protocol (OOHW) and management of OOHW

The overall outcome of the Independent Audit was very positive. Records were well organised and available at the time of the site inspection and interviews with Project personnel from Sydney Metro and BESIX Watpac.

Relevant environmental and compliance monitoring records were being collected and reported as required to provide verification of compliance to statutory requirements and the broader Project environmental requirements.

In summary there were no non-compliances identified and only two observations. These observations related to:

- Elevated Phenol-d6 (surr.) levels identified at BN-3; and
- Transmittal process for Water Quality Monitoring Reports.

The Auditor would like to thank the auditees representing Sydney Metro, BESIX Watpac and the Environmental Representative for their high level of organisation, cooperation, openness and assistance during the Independent Audit.

1. INTRODUCTION

1.1 Project overview

Sydney Metro is responsible for delivery of the Sydney Metro City & Southwest (C&SW) Project, which involves construction and operation of a new 30-kilometre stand-alone metro railway line that would run from the end of the Metro Northwest Line at Chatswood, through to Sydney CBD, and to Bankstown via Sydenham. In the city, Barangaroo will be one of the new stations constructed to service this line. Barangaroo Station was designed by Metron and construction will be delivered by BESIX Watpac. The new station is valued at A\$217 million.

The project site is located North of the Barangaroo precinct, 30m below Hickson Road on the north-western edge of the Sydney CBD, and adjacent to Nawi Cove. The Barangaroo station entrance (outlined in red) and location are shown in Figure 1 below.

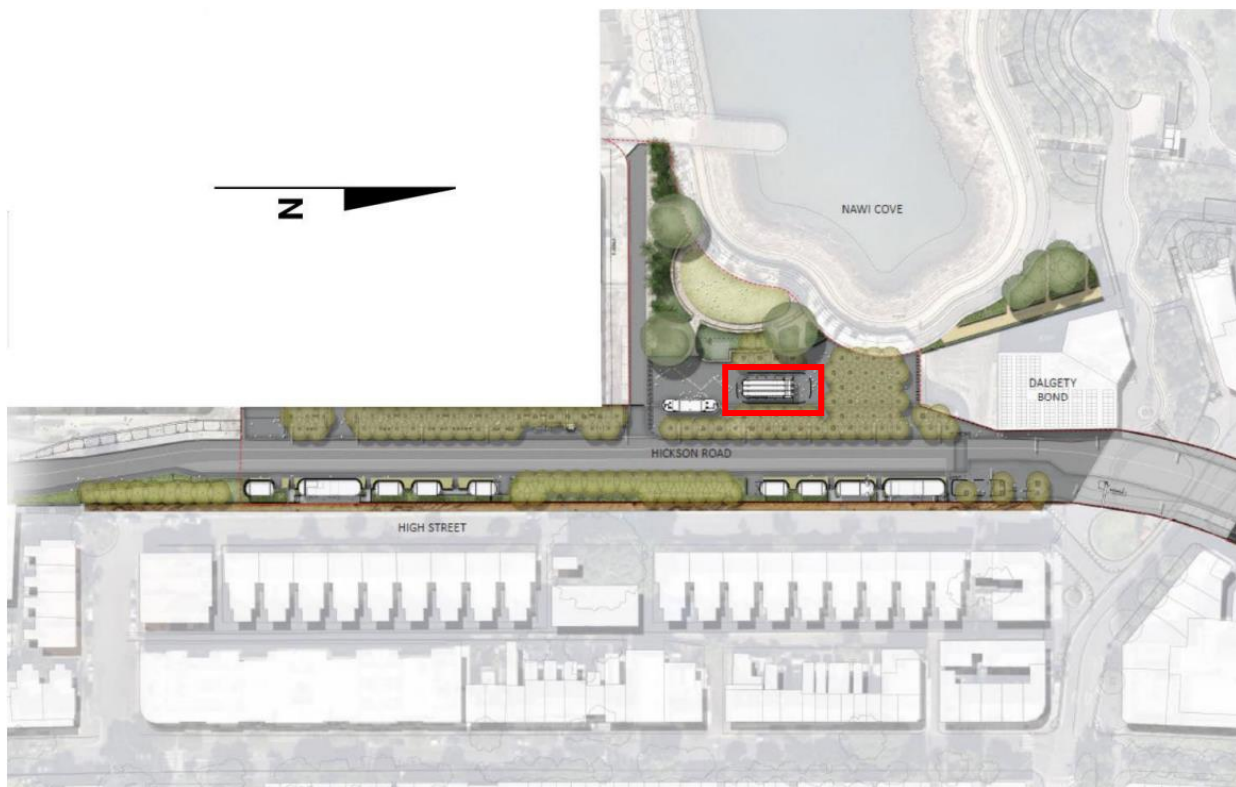


Figure 1: Location of Barangaroo Station (source: Barangaroo Station Construction Environmental Management Plan (CEMP), rev F)

The Barangaroo Metro station is located between the future Victoria Cross and Martin Place stations, as represented in Figure 2.

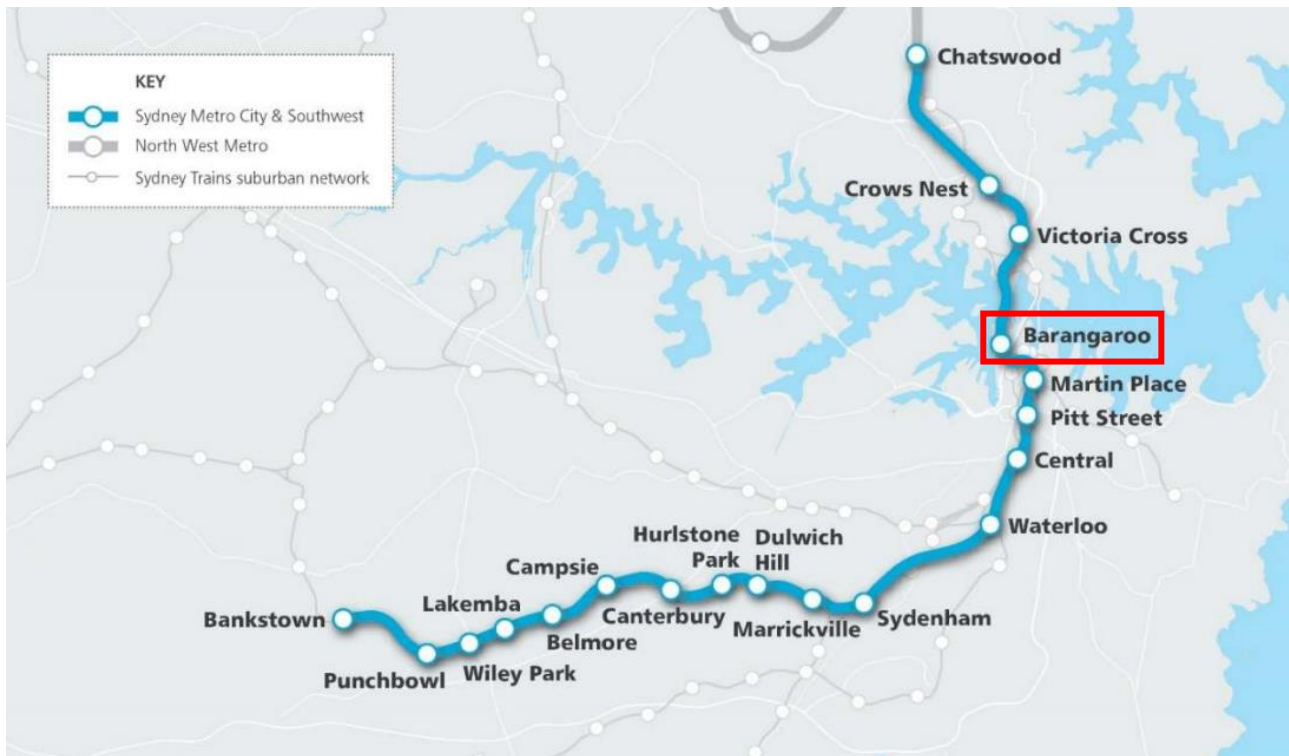


Figure 2: City & Southwest Project – Barangaroo Station Context (source: Barangaroo Station CEMP, rev F)

Sydney Metro City and Southwest is classified as Critical State Significant Infrastructure (CSSI) under Division 5.2 of the NSW Environmental Planning and Assessment Act 1979 (EP&A Act) and State Environmental Planning Policy (State and Regional Development) 2011. This project falls under the construction and operation of the section between Chatswood and the Sydenham dive site known as “CSSI_7400”. Approval was granted on 9 January 2017 followed by eight approved modifications.

The construction of the Project consists of the following:

- Site establishment
- Structural and civil completion works to the station box
- Fit-out, testing and commissioning of the new Barangaroo Metro Station
- Stormwater trunk mains works from Hickson road precinct to the existing pit at western end of the site
- Installation of a cooling water system within the Barangaroo cutaway and associated trenching and pipework including the connection of the system to an existing network of pipes in Sydney harbour
- Hickson Road precinct works including road, footpath, cycleway, landscaping, street lighting,
- Stormwater, utilities works and ventilation pod risers
- Backfilling and surface reinstatement of the temporary northern (Hickson Road) shaft including removal of the acoustic shed, and

- Staging and temporary works required to deliver the permanent works, including removal of the temporary Hickson Road bridge structure.

Excavation and station tunnelling work for the site commenced in October 2019 and finished in March 2021 (this work was undertaken by others). Station fit-out works by BESIX Watpac began in October 2021. Barangaroo Metro Station is scheduled to be completed by the end of 2023 and will open in 2024.

1.2 Approval requirements

Conditions A37 – A40 of Schedule 2 of CSSI 7400 set out the requirements for undertaking Independent Audits.

This audit is being undertaken in accordance with the Audit Program prepared under Condition A37 dated April 2022 and is the first audit completed by WolfPeak in that program. The audit period is defined as the end of September 2021 to the end of April 2022.

1.3 The audit team

In accordance with Condition A39, the environmental audits of the Project must be conducted by a suitably qualified, experienced and independent team of experts in auditing which is to be documented in the Audit Report.

The Audit Team comprises:

- Steve Fermio (Auditor Lead): Bachelor of Science (Hons), Exemplar Global Certified Principal Environmental Auditor (Certificate No 110498)
- Derek Low (Auditor): Master of Environmental Engineering Management, Exemplar Global Certified Principal Environmental Auditor (Certificate No 114283)

In support of their suitability to undertake this audit both Steve and Derek are part of the approved independent audit team for the Sydney Metro West and Western Sydney Airport Projects. Approval of that team was provided by the Department on 20 January 2022. Both Steve and Derek have also provided Declarations of Independence in accordance with the Department's *Independent Audit Post Approval Requirements (DPIE, 2020)*¹ (Appendix D).

1.4 The audit objectives and scope

In accordance with the April 2022 Audit Program prepared under Condition A37 (refer Compliance Monitoring/Tracking and Reporting Program Report), this Independent Audit sought to verify compliance with the relevant conditions and assess the effectiveness of environmental management associated with the following aspects:

- Implementation of the Water Quality Monitoring Program and the Soil and Water Management Procedure

¹ The IAPAR are not applicable to this project however we have used the declaration of independence form contained in these guidelines as the basis for declaring our independence from the Project

- Water quality collection, treatment and discharge
- Soil and water controls
- Implementation of the Heritage Management Plan
- Implementation of the Out of Hours Work Protocol (OOHW) and management of OOHW

In assessing compliance with the above aspects we have undertaken:

- An assessment of compliance with:
 - All conditions of consent applicable to the aspects being auditing and the current phase of the development
 - All post approval and compliance documents related to the aspects being audited and in particular their implementation; and
 - All environmental licences and approvals applicable to the development excluding environment protection licences issued under the *Protection of the Environment Operations Act 1997*.
- A review of the environmental performance of the development, including but not necessarily limited to, an assessment of:
 - Incidents, non-compliances and complaints that occurred or were made during the audit period; and
 - Feedback received from the Department, and other agencies and stakeholders, including the community or Community Consultative Committee (if there is one for the Project), on the environmental performance of the project during the audit period
- The status of implementation of previous Independent Audit findings, recommendations and actions, if any (nil in this case as this is the first Independent Audit of Barangaroo Station)
- A high-level assessment of whether Environmental Management Plans and Sub-plans are adequate; and
- Any other matters considered relevant by the auditor or the Department, taking into account relevant regulatory requirements and legislation, knowledge of the development's past performance and comparison to industry best practices.

2. AUDIT METHODOLOGY

2.1 Audit process

The Independent Audit was conducted in a manner consistent with AS/NZS ISO 19011.2019 – Guidelines for Auditing Management Systems. An overview of the audit activities, as specified in AS/NZS ISO 19011, is presented in Figure 3.

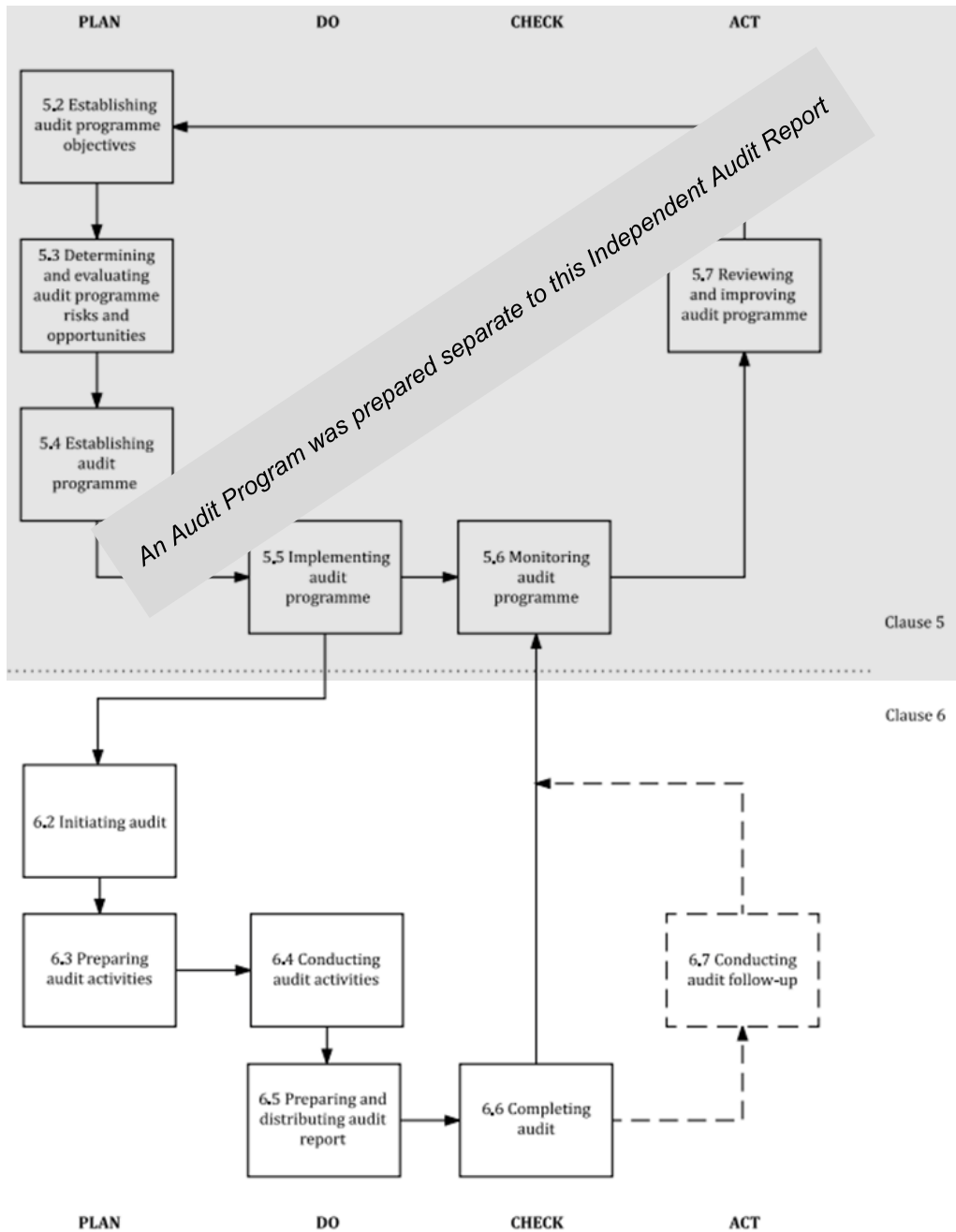


Figure 3: Audit activities overview (modified from AS/NZS ISO 19011). Subclause numbering refers to the relevant subclauses in the Standard.

2.2 Audit process detail

2.2.1 Audit initiation and scope development

Prior to the commencement of the audit the following tasks were completed:

- Establish initial contact with the auditee
- Confirm the audit team
- Confirm the audit purpose, scope and criteria.

2.2.2 Preparing audit activities

The Auditor performed a document review, prepared an audit plan, and prepared work documents (audit checklists) and distributed to the Project team in preparation for the Independent Audit.

The primary documents reviewed prior to and after the site visit are as follows:

- *City & Southwest Out of Hours Work Strategy/Protocol Ver 5.2 (09/10/2021)*
- *Water Quality Monitoring Program Rev C (27/09/2021)*
- *Soil & Water Management Procedure Rev E (25/09/2021)*
- *Heritage Management Sub Plan Rev E (25/08/2021)*

Additional documents sighted are identified in Appendices A and B.

2.2.3 Site personnel involvement

The Independent Audit was conducted on-site on 11 May 2022, with online document review and interviews conducted remotely.

The following personnel took part in the audit:

- Mike Nevin, Environment and Planning Manager, BESIX Watpac
- Julia Diamond, Environmental Coordinator, Sydney Metro
- Jo Heltborg, Environmental Representative
- Sophie Bell, Environmental Coordinator, BESIX Watpac
- Steve Fermio, Principal Auditor, WolfPeak.

2.2.4 Meetings

Opening and closing meetings were held with the Auditor and Project personnel.

During the opening meeting, held on site on 11 May 2022, the objectives and scope of the Independent Audit, the resources required and methodology to be applied were discussed.

At the closing meeting, held on 11 May 2022, preliminary audit findings were presented, preliminary recommendations (as appropriate) were made, timing for finalisation of the audit report and any post-audit actions were confirmed.

2.2.5 Interviews

The Auditor conducted interviews during the site inspection with key personnel involved in Project delivery, including those with responsibility for environmental management, to assist with verifying the compliance status of the development. All other communication was conducted remotely, which included detailed requests for information and auditee responses to the request.

2.2.6 Site inspection

The on-site audit activities took place on 11 May 2022. The on-site audit activities included an inspection of active work sites and work activities being carried out. Photos are presented in Appendix C.

2.2.7 Document review

The Independent Audit included investigation and review of Project files, records and documentation that acts as evidence of compliance (or otherwise) with a compliance requirement. The documents sighted are detailed within Appendices A and B.

2.2.8 Generating audit findings

Independent Audit findings were based on verifiable evidence. The evidence included:

- Relevant records, documents and reports
- Interviews of relevant site personnel
- Photographs
- Figures and plans; and
- Site inspections of relevant locations, activities and processes.

2.2.9 Compliance evaluation

The Auditor determined the compliance status of each compliance requirement in the Audit Table, using the descriptors from Table 2 of the Department’s *Independent Audit Post Approval Requirements 2020 (IAPAR)*, as listed in Table 1, below:

Table 1: Compliance descriptors from Table 2 of the IAPAR

Status	Description
Compliant	The Auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant	The Auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not Triggered	A requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

Observations and notes may also be made to provide context, identify opportunities for improvement or highlight positive initiatives.

2.2.10 Evaluation of post audit approval documentation

The Auditor assessed whether post approval documents have been implemented in accordance with the conditions and all other environmental licences and approvals applicable to the Project (if any).

The adequacy of post approval documents was determined on the basis of whether:

- There are any non-compliances resulting from the implementation of the document; or
- Whether there are any opportunities for improvement.

2.2.11 Completing the audit

The Independent Audit Report was distributed to the Proponent to check factual matters and for input into actions in response to findings (where relevant). The Auditor retained the right to make findings or recommendations based on the facts presented.

3. AUDIT FINDINGS

3.1 Approvals and documents audited, and evidence sighted

The post approval documents audited comprised:

- SSI 7400 conditions of approval relating to Out of Hours Work, Water Quality, Noise and Vibration and Heritage.
- Monitoring City & Southwest Out of Hours Work Strategy/Protocol Ver 5.2 (09/10/2021)
- Water Quality Monitoring Program Rev C (27/09/2021)
- Soil & Water Management Procedure Rev E (25/09/2021)
- Heritage Management Sub Plan Rev E (25/08/2021)

The evidence sighted and audit findings against these documents and related conditions are detailed within Appendices A and B.

3.2 Non-compliance, Observations and Actions

In summary there were no non-compliances identified against the conditions that were audited.

There were two (2) observations identified in relation to:

- Elevated Phenol-d6 (surr.) levels identified at BN-3; and
- Transmittal process for Water Quality Monitoring Reports.

Details are provided in Table 2 below.

Table 2: Findings from the first Independent Audit (May 2022)

Item	Ref.	Type	Details of item	Recommended or completed actions	By whom and by when	Status
Findings from the first Independent Audit						
7400_IA1_01	Water Quality Monitoring Program Rev C Monitoring Methodology, Section 5.1, pg. 3	Observation	<p>In addition to the guideline values, an investigation will take place if a 20% greater differential than previous results occurs for BN-3. This is because something in the treatment process or site activity may have impacted on water quality. If corrective action is required to address the water quality issue, this can be carried out before an exceedance of ANZG 2018 / ANZECC 2000 is recorded. Monitoring against previous results will also determine if there is a trend in the deterioration of water quality.</p> <p>Observation: It is noted that Section 8 of BESIX Watpac Water Quality Exceedance Report for April 2022 states: "The elevated Phenol-d6 (surr.) identified at BN-3 is not representative of an issue with the quality of the water being discharged from the WTP and no further action is required."</p>	<p>Review the WDIA and/or WQMP with regard to the extent of analytes being analysed, in particular:</p> <ul style="list-style-type: none"> The many analytes that consistently return a value below the limits of reporting; or Have a contaminant within the group with actual ANZECC limits that could be used as a representative analyte for the group (e.g., benzene for Monocyclic Aromatic Hydrocarbons or 1.1.2 Trichloroethane for Volatile Organics); or Removing the surrogates 	BESIX Watpac / WSP	OPEN
7400_IA1_02	Water Quality Monitoring Program Rev C Reporting, Section 7, pg. 8	Observation	<p>Water quality monitoring records will be issued in a Construction Water Quality Monitoring Report (CWQMR) which will be issued to Sydney Metro and the ER via Teambinder for information on a quarterly basis.</p> <p>Observation: Reports being sent ad hoc via email at the moment.</p>	Monitoring Reports to be sent to Sydney Metro and the ER formally via Teambinder in future.	BESIX Watpac	OPEN

3.3 Adequacy of Environmental Management Plans, sub-plans and post approval documents

A review was conducted of the effectiveness and implementation of :

- City & Southwest Out of Hours Work Strategy/Protocol Ver 5.2 (09/10/2021)
- Water Quality Monitoring Program Rev C (27/09/2021)
- Soil & Water Management Procedure Rev E (25/09/2021)
- Heritage Management Sub Plan Rev E (25/08/2021)

There were no incidents, community complaints or non compliances identified during the audit with the implementation of these plans / procedures. Accordingly, the Auditor considers the documents to be adequate for the works being undertaken, noting the observations identified in Section 3.2.

3.4 Summary of notices from agencies

To the Auditor's knowledge no formal notices were issued by the Department associated with SSI 7400 during the audit period.

3.5 Other matters considered relevant by the Auditor

Other than the matters identified in Section 3.2, there were no other matters considered relevant by the Auditor.

3.6 Complaints

A complaints register is being maintained for the Project using the software, Consultation Manager. A total of 16 complaints were recorded between October 2021 until 30 April 2022 (based on output reports from Consultation Manager provided by Sydney Metro). The complaints related overwhelmingly to noise associated with out of hours works which had been approved under the OOHW protocol. Two complaints related to car tyre damage and traffic.

Sydney Metro had investigated each and considered each complaint closed and unavoidable (with the exception of the car tyre damage complaint which was resolved to the satisfaction of the complainant).

The Auditor considers the management of these complaints to be adequate.

3.7 Incidents

The Project has not identified any environmental incidents during the audit period.

4. CONCLUSIONS

This Audit Report presents the findings from the first Independent Audit for the construction period, covering the period from October 2021 to April 2022.

This Independent Audit sought to verify compliance with the relevant conditions and assess the effectiveness of environmental management associated with the following aspects:

- Implementation of the Water Quality Monitoring Program and the Soil and Water Management Procedure
- Water quality collection, treatment and discharge
- Soil and water controls
- Implementation of the Heritage Management Plan; and
- Implementation of the Out of Hours Work Protocol (OOHW) and management of OOHW.

The overall outcome of the Independent Audit was very positive. Records were well organised and available at the time of the site inspection and interviews with Project personnel from Sydney Metro and BESIX Watpac.

Relevant environmental and compliance monitoring records were being collected and reported as required to provide verification of compliance to statutory requirements and the broader Project environmental requirements.

In summary there were no non-compliances identified and only two observations. These observations related to:

- Elevated Phenol-d6 (surr.) levels identified at BN-3; and
- Transmittal process for Water Quality Monitoring Reports.

The Auditor would like to thank the auditees representing Sydney Metro, BESIX Watpac and the Environmental Representative for their high level of organisation, cooperation, openness and assistance during the Independent Audit.

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APPENDIX A – SSI 7400 CONDITIONS OF APPROVAL

Table 3: SSI 7400 Conditions Checklist

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
Conditions to be met				
Part E – Key Issue Conditions				
HERITAGE				
Non-Aboriginal Heritage				
E10	The Proponent must not destroy, modify or otherwise physically affect any Heritage item not identified in documents referred to in Condition A1.		No Heritage items have been destroyed, modified, or physically affected to date. The Excavation Director (ED) as nominated in the HMP has attended site to oversee construction activities in areas of Moderate to High Archaeological Potential as outlined in the HMP	Compliant
Heritage Archival and Salvage				
E13	The Proponent must prepare a Heritage Archival Recording Report, including photographic recording of the heritage items identified in documents referred to in Condition A1. Archival recording must include but not be limited to the following heritage items: (a) any component of the Blues Point Waterfront Group and the McMahons Point South heritage conservation area to be directly affected or altered, including vegetation and significant landscape features; (b) Hickson Road wall in the vicinity of proposed ventilation risers and skylights for Barangaroo Station or any other project elements to be located in front of the Hickson Road wall; (c) Martin Place, between Elizabeth and Castlereagh Streets, Sydney; (d) the Rolling Stock Officers' Garden, Rolling Stock Officers' Building and Cleaners' Amenities Building in Sydney Yard and any other component of the Sydney Terminal and Central Railway Stations group to be removed or altered; (e) any component of Sydenham Station or Sydenham Pit and Pumping Station to be removed or altered; (f) views from Mortuary Station before construction of the Sydney Yard Access Bridge; and (g) Former 'Metro Goldwyn Mayer' building including interior, 22-28 Chalmers Street, Surry Hills. The archival recording must be undertaken by a suitably qualified heritage specialist and prepared in accordance with NSW Heritage Office's How to Prepare Archival Records of Heritage Items (1998) and Photographic Recording of Heritage Items Using Film or Digital Capture (2006). Within two (2) years of completing the archival recording, or any other later time agreed by the Secretary, the Proponent must submit the Heritage Archival Recording Report to the Department, the OEH, Heritage Council of NSW, Relevant Council(s), relevant local libraries and local historical societies in the respective local government area(s).	Suzy Pickles on behalf of GML Heritage photographed the Hickson Road Retaining Wall on 31 March 2017 Alexander Mayes Photography captured 31 photographs of the Hickson Road wall underneath the bridge in April 2018 GML Heritage produced a report on the Hickson Road Retaining Wall with extensive photographic documentation of the existing structures in April 2021	Archival recording nearing completion with all Sydney Metro responsibilities. SM to coordinate final report following final archival recording being undertaken (likely to be SSJ/CSM). Working archival recording compliance checklist contains the listed heritage items from (a) to (e) and others - refer to E13-E16 Checklist. Current outstanding archival recording is for those items that were not affected or altered were photographed - (a) and (e).	Compliant
E14	In addition to the archival recording as required by Condition E13, the Proponent must, prior to demolition, undertake external photography of all buildings and structures to be demolished, in consultation with and to the standards of the relevant Council. The recordings must be made available to the relevant Council.	E13-E16 Checklist 20201216.xls Hickson Rd Bridges Archival Recording Alexander Mayes Photography Pty Ltd April 2018 Various emails sighted from SM to CoS dated December 2020 in particular 18/12/20 indicate Archival recording reports have been deposited in the City of Sydney library and archives and consultation regarding the standards of the Council occurred	External photography undertaken prior to demolition of relevant structures - refer to E13-E16 Checklist. Observation: Archival recording made available to CoS and in consultation with them	Compliant
E15	The Proponent must salvage items of heritage value from heritage listed buildings and structures to be demolished before demolition, and assess options for its sympathetic reuse (including integrated heritage displays) on the project or other options for repository, reuse and display. Suitable repository locations must be established in consultation with Relevant Council(s). Any State listed items or elements suitable for salvage must be determined in consultation with the Heritage Division of the OEH.	E13-E16 Checklist 20201216.xls Sydney Metro Salvage and Storage Strategy SM ES-ST-215/1.0	SM salvage responsibilities completed (refer to E13-E16 Checklist). SM has developed a Salvage & Storage Strategy Contractor has not had to salvage any items yet	Compliant
E16	The Proponent must prepare a Salvage Report, including photographic recording of the heritage items identified for salvage in documents referred to in Condition A1. The Salvage Report must include: (a) the internal heritage fabric removed from within the curtilage of Mowbray House, Chatswood; (b) the interior, exterior and setting of the shop at 187 Miller Street, North Sydney; (c) the fabric and setting of the North Sydney bus shelters; (d) the interior, exterior and setting of the 'Flat Building' at 7 Elizabeth Street, Sydney; (e) the heritage fabric of the existing Martin Place Station affected by the project; (f) the heritage fabric of the existing Sydenham Station affected by the project; (g) directly impacted parts of the Congregational Church at Waterloo; and (h) the former 'Metro Goldwyn Mayer' building including interior, 22-28 Chalmers Street, Surry Hills.	E13-E16 Checklist 20201216.xls Sydney Metro Salvage and Storage Strategy SM ES-ST-215/1.0	SM Salvage Register has continually been updated. Final Salvage Report will be based on the Salvage Register and will be finalised at end of the project.	Compliant

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
Archaeology				
E17	The Archaeological Assessment Research Design Report (AARD) in the documents listed in A1 must be implemented. Final Archaeological Method Statements must be prepared in consultation with the Heritage Council of NSW (or its delegate) before commencement of archaeological excavation works. The final methodology must: (a) provide for the detailed analysis of any heritage items discovered during the investigations; (b) include detailed site specific archaeological management and artefact management strategies; (c) include cored soil samples for soil and pollen for the Pitt Street site within the Tank Stream Valley; and (d) provide for a sieving strategy.	(a), (b) and (d) are available in Appendix A of Heritage Management Sub-Plan Rev E August 2021. (c) does not apply to Barangaroo. Clearance certificate Hickson Road South AMBS 7/4/22	The Excavation Director (ED), as nominated in the Heritage Management Plan (HMP) has attended site to oversee construction activities in areas of Moderate to High Archaeological Potential as outlined in and required by the HMP. A clearance certificate was provided by the ED to enable BR COP construction activities to continue in areas of Moderate to High Archaeological potential to the South of the site. Refer to Clearance Certificate. Email confirmation was provided by the ED to continue works in Southwest footprint adjacent to the water treatment plant. The other requirements of CoA E17 are addressed in the Heritage Management Plan (HMP).	Compliant
E18	Before excavation of archaeological management sites, the Proponent must nominate a suitably qualified Excavation Director who complies with the Heritage Council of NSW's Criteria for Assessment of Excavation Directors (July 2011) to oversee and advise on matters associated with historic archaeology and advise the Department and OEH. Where archaeological excavation is required, the Excavation Director must be present to oversee excavation and advise on archaeological issues. The Excavation Director must be given the authority to advise on the duration and extent of oversight required as informed by the provisions of the approved AARD and Excavation Methodology. A final archaeological report must be submitted to the Heritage Council of NSW within two (2) years of the completion of archaeological excavation on the project. The report must include information on the entire historical archaeological program relating to the CSSI.	Mike Hincks was appointed historical archaeological Primary Excavation Director and Lian Ramage was appointed historical archaeological Secondary Excavation Director as of August 2021. Email correspondence between Mike Hincks and BESIX Watpac on 21 March 2022 demonstrate presence of ED for the duration of excavation.	An Excavation Director, Mike Hincks, is nominated in the HMP which was submitted to the Heritage Council of NSW and DPIE for review and comment. Mike has attended site on numerous occasions to oversee excavation and advise on archaeological issues.	Compliant
E19	An Unexpected Heritage Finds Procedure must be prepared: (a) to manage unexpected heritage finds in accordance with any guidelines and standards prepared by the Heritage Council of NSW or OEH; and (b) by a suitably qualified and experienced heritage specialist. The procedure must be included in the AARD and must be implemented for the life of the project.	Unexpected Heritage Finds Procedure published 16 August 2021	An Unexpected Heritage Finds Procedure has been prepared in accordance with the requirements of CoA E19. The UHFP is documented in section 7 of the HMP.	Compliant
E20	In the event that a potential relic/s is/are discovered, relevant construction must cease in the affected area and the Excavation Director must be notified and assess the significance level of the find/s and provide mitigation advice according to the significance level and the impact proposed. The Excavation Director must attend the site in accordance with E18 to oversee the excavation where relics of State significance are found. The Secretary must be notified at the same time as the Heritage Council of NSW (or its delegate) of any relic of State significance found. An Archaeological Relic Management Plan specific to the relic of State significance must be prepared in consultation with the Heritage Council of NSW (or its delegate) to outline measures to be implemented to avoid and/or minimise harm to and/or salvage the relic of State significance. Construction in the vicinity of the discovery must not recommence until the requirements of the ARMP have been implemented, in consultation with the Excavation Director. The Proponent must notify the Secretary in writing of the outcome of consultation on the Archaeological Relic Management Plan with the Heritage Council of NSW.		Not Triggered	NT
Aboriginal Heritage				
E23	The Proponent must take all reasonable steps so as not to harm, modify or otherwise impact any Aboriginal object associated with the CSSI except as authorised by this approval.		No Aboriginal objects have been encountered on site. The project operates under an UFP for Aboriginal heritage, which is included in the HMP	NT
E24	Before excavation, the Proponent must implement the Aboriginal Cultural Heritage Assessment prepared for the CSSI and included in the PIR. Excavation and/or salvage must be undertaken by a qualified archaeologist in consultation with the Registered Aboriginal Parties for the CSSI.	Aboriginal Cultural Heritage Assessment published October 2016 An Aboriginal Archaeological Method Statement has been prepared for the BR COP work in accordance with the archaeological management strategies set out in the ACHAR. The method statement is included in Appendix A of the HMP.	No aboriginal artefacts or intact soil profiles have been discovered during the historic archaeological excavations undertaken. Therefore, the requirement to carry out Stage 1 (test excavations Aboriginal) or Stage 2 (archaeological salvage Aboriginal) were not triggered. Refer to Section 8.1.3 of the HMP	Compliant
E25	Where previously unidentified Aboriginal objects are discovered during construction of the CSSI, construction must stop in the vicinity of the affected area and a suitably qualified and experienced Aboriginal heritage expert must be contacted to provide specialist heritage advice, before works recommence. The measures to consider and manage this process must be specified in the Heritage Management sub-plan		Not Triggered No unidentified or other Aboriginal objects have been discovered on site.	NT

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
	required by Condition C3 and, where relevant, include registration in the OEH's Aboriginal Heritage Information Management System (AHIMS).			
Human Remains				
E26	This approval does not allow the Proponent to harm, modify, or otherwise impact human remains uncovered during the construction and operation of the CSSI, except in accordance with the Exhumation Management Plan (Condition E27).		Not Triggered No human remains have been uncovered on site. The site activities continue under an Unexpected Finds Procedure (UFP).	NT
NOISE AND VIBRATION				
Construction Noise and Vibration Strategy				
E33	Construction Noise and Vibration Impact Statements must be prepared for each construction site before construction noise and vibration impacts commence and include specific mitigation measures identified through consultation with affected sensitive receivers.	Notification of CNVIS to DPIE on 29/10/21 Consultation with residents include introductory meetings with local stakeholders and sensitive receivers held in July and August, 2021 as outlined in OOHW application BR-OOHWA-005 dated 3/11/21.	Construction Noise and Vibration impact Statements have been prepared for the project and are hosted on the project's website. A dedicated CNVIS has been prepared for the surface level Civil works and a separate CNVIS for the underground Station works. The CR COP Contractor has agreed with the local community to implement the same respite periods as were adopted by the preceding TSE Contractor. These are 09.30am to 10.30am and 12.30pm to 13.30pm. This was discussed and agreed at community meetings held with the Millers Points Residents Action Group (MPCRAG) on 13/07/21 and 08/02/22 and the Walsh Bay Precinct Association on 09/11/21 Respite hours included in project induction No complaints related to non-compliance with respite periods	Compliant
E34	Noise generating works in the vicinity of potentially-affected, religious, educational, community institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) must not be timetabled within sensitive periods, unless other reasonable arrangements to the affected institutions are made at no cost to the affected institution or as otherwise approved by the Secretary.	Affected receiver locations identified in Table 5-1, NVMP published August 2021	Noise respite periods have been agreed with local sensitive receivers and have been implemented during the reporting period. These have been documented in the CNVIS for Civil works	Compliant
E35	The Proponent must review alternative methods to rock hammering and blasting for excavation as part of the detailed construction planning with a view to adopting methods that minimise impacts on sensitive receivers. Construction Noise and Vibration Impact Statements must be updated for each location or activity to adopt the least impact alternative in any given location unless it can be demonstrated, to the satisfaction of the AA, why it should not be adopted.	Section 6.4 of NVMP published August 2021	No rock hammering or blasting for excavation is contemplated as part of the BR COP construction activities	Compliant
Standard Construction Hours				
E36	Construction, except as allowed by Condition E48 (excluding cut and cover tunnelling), must only be undertaken during the following standard construction hours: (a) 7:00am to 6:00pm Mondays to Fridays, inclusive; (b) 8:00am to 1:00pm Saturdays; and (c) at no time on Sundays or public holidays.		Construction hours have been adhered to, in accordance with CoA E36, other than where construction was being undertaken out of hours in accordance with one of the approved out-of-hours works applications (OOHWA).	Compliant
Respite for Receivers				
E37	The Proponent must identify all receivers likely to experience internal noise levels greater than Leq(15 minute) 60 dB(A) inclusive of a 5 dB penalty, if rock breaking or any other annoying activity likely to result in regenerated (ground-borne) noise or a perceptible level of vibration is planned (including works associated with utility adjustments), between 7am – 8pm at: (a) Crows Nest, Victoria Cross, Blues Point, Barangaroo, Martin Place, Pitt Street, and Central; and (b) Marrickville, Newtown, St Peters, Sydenham and Tempe for works specified in SSI 7400_MOD 4 referenced in Condition A1 (c).	Receivers identified in Appendix D.2 of CNVIS published September 2021	Receivers impacted by this CoA have been identified in the CNVIS	Compliant
E38	The Proponent must consult with all receivers identified in accordance with Condition E37 with the objective of determining appropriate hours of respite so that construction noise (including ground-borne noise), does not exceed internal noise levels of: (a) Leq(15 minute) 60 dB(A) inclusive of a 5 dB penalty if rock breaking or any other annoying activity likely to result in ground-borne noise or a perceptible level of vibration is planned between 7am – 8pm for more than 50 percent of the time; and (b) Leq(15 minute) 55 dB(A) inclusive of a 5 dB penalty if rock breaking or any other annoying activity likely to result in ground-borne noise or a perceptible level of vibration is planned between 7am – 8pm for more than 25 percent of the time, unless an agreement is reached with those receivers. This condition does not apply to noise associated with the cutting surface of a TBM as it passes under receivers.	Conclusion of CNVIS states that "predicted levels are expected to be below E37, E38, E41, and E42 noise goals at all receivers"	Consultation in relation to CoA E38 has been undertaken and documented in the CNVMP and Civil CNVIS. Appendix D. Consultation with receivers is documented in Section 4.1.2. The CR COP Contractor has agreed with the local community to implement the same respite periods as were adopted by the preceding TSE Contractor. These are 09.30am to 10.30am and 12.30pm to 13.30pm. This was discussed and agreed at community meetings held with the Millers Points Residents Action Group (MPCRAG) on 13/07/21 and 08/02/22 and the Walsh Bay Precinct Association on 09/11/21.	Compliant

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
	Note This condition requires that noise levels be less than Leq(15 minute) 60 dB(A) for at least 6.5 hours between 7am and 8pm, of which at least 3.25 hours must be below LAeq(15 minute) 55 dB(A). Noise equal to or above Leq(15 minutes) 60 dB(A) is allowed for the remaining 6.5 hours between 7am and 8pm.			
E39	The Proponent must consult with proponents of other construction works in the vicinity of the CSSI and take reasonable steps to coordinate works to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers.	Cumulative Noise Impact Assessment OOHWA-004	The requirements of CoA E39 have been complied with. For example, on 20/10/21 BESIX Watpac and Linewide agreed to have Renzo Tonin (project acoustic engineer) undertake a cumulative impact assessment to consider the combined impact of OOHWA being undertaken concurrently by Linewide and the BR Contractor at the site. Refer to the cumulative noise impact assessment prepared by Renzo Tonin:	Compliant
E40	The Proponent must ensure all works (including utility works associated with the CSSI where undertaken by third parties) are coordinated to provide the required respite periods identified in accordance with the terms of this approval.	211209 Sydney Water Notification	The requirements of CoA E40 have been complied with. Sydney Water carried out utility works associated with the CSSI on 09/12/21. The works occurred during standard construction hours on the site, were not noisy (valve replacement) and did not necessitate respite. Local residents and businesses were notified.	Compliant
Mitigation – Non Residential Zones				
E41	The Proponent must ensure that residential receivers, located in non-residential zones, likely to experience an internal noise level exceeding Leq(15 minute) 60 dB(A) between 8pm and 9pm or Leq(15 minute) 45 dB(A) between 9pm and 7am (inclusive of a 5 dB penalty if rock breaking or any other annoying activity likely to result in ground-borne noise, or a perceptible level of vibration is planned (including works associated with utility adjustments)) must be offered additional mitigation in accordance with the Sydney Metro City and South West Noise and Vibration Strategy referenced in Condition E32.		There are no residential receivers in non-residential zones in proximity to the BR COP works	NT
Mitigation – Residential receivers in residential zones				
E42	The Proponent must ensure that residential receivers in residential zones likely to experience an internal noise level of Leq(15 minute) 45 dB(A) or greater between 8pm and 7am (inclusive of a 5 dB penalty if rock breaking or any other annoying activity likely to result in ground-borne noise, or a perceptible level of vibration is planned (including works associated with utility adjustments)) must be offered additional mitigation in accordance with the Sydney Metro City and South West Noise and Vibration Strategy referenced in Condition E32.	2210_Barangaroo_Voucher Offer OOHWA-004	Out of Hours Application (OOHWA) 004 (Linewide SB HV Installation) triggered CoA E42 and the requirement to offer additional mitigation measures (AMMS). Appendix C of the noise impact assessment prepared for OOHWA-004 listed out the AMMs relevant to receivers impacted by the works which were implemented. The residents of 1 - 5 Towns Place were most impacted by the works and predicted noise levels triggered the requirement to provide Respite Offers (RO) to residents. This was implemented.	Compliant
Variation to Standard Construction Hours				
E44	Notwithstanding Condition E36 construction associated with the CSSI may be undertaken outside the hours specified under those conditions in the following circumstances: (a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or (b) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm; or (c) where different construction hours are permitted or required under an EPL in force in respect of the construction; or (d) construction that causes LAeq(15 minute) noise levels: i. no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), and ii. no more than the noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and iii. continuous or impulsive vibration values, measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), and iv. intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006); or (e) where a negotiated agreement has been reached with a substantial majority of sensitive receivers who are within the vicinity of and may be potentially affected by the particular construction, and the noise management levels and/or limits for ground-borne noise and vibration (human comfort) cannot be achieved. All agreements must be in writing and a copy forwarded to the Secretary at least one (1) week before the works commencing; or	OOHW Application Form for Ausgrid Pit Investigation on 03/11/2021 inconsistent with CNVIS but approved under the OOHWA Protocol. 211016 Emergency Works Report 001	Once instance of work occurred outside of the hours specified in the CSSI to carry out emergency construction under CoA E44 (b). Emergency construction occurred 16/10/21 and 17/10/21. An emergency works report was issued to the ER and AA.	Compliant

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
	(f) construction approved through an Out of Hours Work Protocol referred to in Condition E47, provided the relevant council, local residents and other affected stakeholders and sensitive receivers are informed of the timing and duration at least five (5) days and no more than 14 days before the commencement of the works. Note: This condition does not apply where an EPL is in force in respect of the construction.			
E45	On becoming aware of the need for emergency construction in accordance with Condition E44(b), the Proponent must notify the AA, the ER and the EPA (if an EPL applies) of the need for those activities or work. The Proponent must also use best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works.	211016 Emergency Works Report 001	One incidence of emergency construction in accordance with E44(b) has occurred in relation to hoist in northern shaft which broke down. The ER and AA were notified as required.	Compliant
E46	Notwithstanding Conditions E44 and E48, rock breaking and other particularly annoying activities for station shaft or cut and cover stations is not permitted outside of standard construction hours, except at Central (excluding Central Walk works at 20-28 Chalmers Street, Surry Hills); or (a) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm; or (b) where different construction hours are permitted or required under an EPL in force in respect of the construction; or (c) where an EPL is not required or in force, approved through an Out of Hours Work Protocol developed in accordance with Condition E47; or (d) construction that causes LAeq(15 min) noise levels: i. no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009); and ii. no more than the noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses; and iii. continuous or impulsive vibration values, measures at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006); and iv. intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006).		No rock breaking or other particularly annoying activities for station shaft or cut and cover station have been carried out outside of standard construction hours. BESIX Watpac were not responsible for the excavation of the station footprint or construction of the primary structure	NT
Out of Hours Work Protocol for works not subject to an EPL				
E47	An Out of Hours Work Protocol for the assessment, management and approval of work outside of standard construction hours, as defined in Condition E36 of this approval, must be prepared in consultation with the EPA and submitted to the Secretary for approval before construction commences for works not subject to an EPL. The protocol must include: (a) the identification of low and high risk construction activities; (b) a risk assessment process in which the AA reviews all proposed out of hours activities and identifies their risk levels; (c) a process for the endorsement of out of hours activities by the AA and approval by the ER for construction activities deemed to be of: i. low environmental risk; or ii. high risk where all construction works cease by 9pm. All other high risk out of hours construction must be submitted to the Secretary for approval unless otherwise approved through an EPL. The protocol must detail standard assessment, mitigation and notification requirements for high and low risk out of hours works, and detail a standard protocol for referring applications to the Secretary.	Letter of Approval from Acoustic Studio for submission of OOHW Protocol/Strategy to the Secretary. a. addressed in section 4.2.2.3 of the OOHW Protocol b. addressed in section 6.4 of the General Assessments Procedure of the CNVS c. addressed in Section 4.1 and 4.2 of the OOHW Protocol Notification requirements addressed in section 4.3 of the OOHW Protocol 20201028 OOHW protocol v5.2 Alt AA approval	The OOH Work Protocol was endorsed by the AA and ER on 28 March 2017 and submitted to the Secretary for approval on 30 March 2017. SYAB first commenced construction on 17 June 2017. The document was updated and retitled the 'City & Southwest Out of Hours Work Strategy / Protocol' in March 2019 and approved by the Acoustic Advisor on 1 April 2019. The OOHW Protocol / Strategy was updated in the reporting period (Rev 5.2) on 9 Oct 2020.	Compliant
24 Hour Construction				
E48	Notwithstanding Condition E36 of this approval and subject to Condition E47, the following activities may be undertaken 24 hours per day, seven (7) days per week: (a) tunnelling and associated support activities (excluding cut and cover tunnelling, and excluding the installation and decommissioning of the Blues Point acoustic shed except where compliance with Condition E44 is achieved); (b) excavation within an acoustic enclosure (excluding the Blues Point temporary site except where compliance with Condition E44 is achieved); (c) excavation at Central (excluding Central Walk works at 20-28 Chalmers Street, Surry Hills) without an acoustic enclosure; (d) station and tunnel fit out; and (e) haulage and delivery of spoil and materials.	OOHW Application Form 14 July 2020, Deliveries OOHW Application Form, 28/09/2021, Deliveries, Formwork, Platform fit-out, Temporary Ventilation OOHW Application Form, 18/11/2021, Deliveries, Formwork, Platform fit-out, Temporary Ventilation OOHW Application Form 21/01/2022, Deliveries, Formwork, Platform fit-out, Temporary Ventilation OOHW Application Form 18/03/2022, Deliveries, Formwork, Platform fit-out, Temporary Ventilation OOHW Application Form, 27/09/2021, Hickson Road Night Works	The OOH Work Protocol was endorsed by the AA and ER on 28 March 2017 and submitted to the Secretary for approval on 30 March 2017. SYAB first commenced construction on 17 June 2017. The document was updated and retitled the 'City & Southwest Out of Hours Work Strategy / Protocol' in March 2019 and approved by the Acoustic Advisor on 1 April 2019. The OOHW Protocol / Strategy was updated in the reporting period (Rev 5.2) on 9 Oct 2020.	Compliant

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
		OOHW Application Form, 20/10/2021, Barangaroo SBR HV Installation OOHW Application Form, 22/03/2022, Hickson Road Night Works 20201028 OOHW protocol v5.2 Alt AA approval		
WATER				
E107	The CSSI must be constructed and operated so as to maintain the NSW Water Quality Objectives where they are being achieved as at the date of this approval, and contribute towards achievement of the NSW Water Quality Objectives over time where they are not being achieved as at the date of this approval, unless an EPL in force in respect of the CSSI contains different requirements in relation to the NSW Water Quality Objectives, in which case those requirements must be complied with.	WQMP published September 2021 BESIX Watpac Barangaroo Station Water Discharge Impact Assessment published September 2021 22 Oct Monthly Water Quality Report 22 Dec Monthly Water Quality Report 22 Jan Monthly Water Quality Report 22 Feb Monthly Water Quality Report 22 Mar Monthly Quarterly Water Quality Report 21 Quarter 4 Water Quality Report 22 Quarter 1 Water Quality Report	The Water Discharge Impact Assessment (WDIA) has been prepared to address CoA E107 with water quality monitoring undertaken as outlined in the in the Water Quality Monitoring Program (WQMP). Evidence is demonstrated in the monthly and quarterly water quality monitoring reports:	Compliant
E108	Drainage feature crossings (permanent and temporary watercourse crossings and stream diversions) and drainage swales and depressions must be undertaken in accordance with relevant guidelines and designed by a suitably qualified and experienced person.		This CoA is not relevant to the Barangaroo Metro Station project. There are no permanent or temporary watercourse crossings and stream diversions associated with the project. There are no drainage swales and depressions.	NT
E109	Any works within Sydney Harbour will be undertaken in consultation with the Harbour Master and RMS as owner of the seabed.		No works within Sydney Harbour have been undertaken as of the date of this report.	NT

APPENDIX B – SSI 7400 MANAGEMENT PLAN MITIGATION MEASURES

Table 4: SSI 7400 Management Plan / Procedure requirements

Unique ID	Compliance Requirement	Evidence Collected	Independent Audit Findings and Recommendations	Compliance Status
Water Quality Monitoring Program Rev C (27/09/2021)				
Monitoring Methodology, Section 5.1, pg. 3	Water Quality Reporting will highlight where an exceedance to the nominated trigger value has occurred as follows: <ul style="list-style-type: none"> Exceedances of chemical, physical and toxicant values should be based on the NSW WQO and ANZG 2018 / ANZECC 2000 trigger values 	Numerous daily, monthly and quarterly reports sighted that identify exceedances of trigger values including: <ul style="list-style-type: none"> Property Risk Australia Surface Water Assessment Report published 19 April 2022. BESIX Watpac Water Quality Exceedance Report Q1 published 21 April 2022 and Property Risk Australia Surface Water Assessment Report published 27 April 2022 	Checklists published daily. Reports published monthly and quarterly.	Compliant
	<ul style="list-style-type: none"> In addition to the guideline values, an investigation will take place if a 20% greater differential than previous results occurs for BN-3. This is because something in the treatment process or site activity may have impacted on water quality. If corrective action is required to address the water quality issue, this can be carried out before an exceedance of ANZG 2018 / ANZECC 2000 is recorded. Monitoring against previous results will also determine if there is a trend in the deterioration of water quality. 	Section 8 of BESIX Watpac Water Quality Exceedance Reports for March & April 2022 and other monthly Water Quality Exceedance Reports sighted assess such exceedances.	It is noted that Section 8 of BESIX Watpac Water Quality Exceedance Reports for April 2022 states: <p>"The elevated Phenol-d6 (surr.) identified at BN-3 is not representative of an issue with the quality of the water being discharged from the WTP and no further action is required."</p> <p>Observation: Seek confirmation from WSP as to whether or not the Phenol d6 (surr) is likely to represent a contaminant sourced from the site and if not, whether it can be removed from the WDIA and future lab reports.</p>	Compliant Observation
Monitoring to be undertaken, Section 5.2, pg 4	Monitoring will be undertaken in accordance with the recommendations as set out in Section 3.5 of the WDIA which summarises the recommended water discharge criteria, to ensure the water quality impact is within the acceptable limits.	October 2021 – April 2022 Water Quality Report Quarterly Water Quality Assessment Q4 2021 Quarterly Water Quality Assessment Q1 2022	Monitoring has been conducted monthly from October 2021, to April 2022 as per the criteria and requirements outlined in the WQMP	Compliant
Frequency of monitoring – Sydney Harbour(SW-B-01), Section 5.3, pg 4	Water Quality will be monitored in Sydney Harbour (SW-B-01) with results compared against baselined values throughout the construction phase of the project.	October 2021 – April 2022 Water Quality Report Quarterly Water Quality Assessment Q4 2021 Quarterly Water Quality Assessment Q1 2022	Monitoring has been conducted monthly from October 2021, to April 2022 as per the criteria and requirements outlined in the WQMP	Compliant
Sydney Harbour(SW-B-01), Section 5.3, pg 4	Surface water sampling will be carried out in accordance with the recommendations made in the WDIA at the following frequencies: <ul style="list-style-type: none"> Monthly for the same suite of physical, chemical and toxicants which have been monitored by TSE under the EPL at this station plus ammonia, cyanide, copper and zinc 	As above	As above	Compliant
	<ul style="list-style-type: none"> Up to four wet weather sampling events within a 12 month period (when at least 38.8 mm of rain is received in the catchment in any 5 day period). 	Quarterly Water Quality Assessment November 2021, Appendix A Monthly Water Quality Assessment December 2022 Monthly Water Quality Assessment January 2022 Monthly Water Quality Assessment February 2022	Wet weather monitoring has taken place concurrent with monthly monitoring	Compliant
Barangaroo WTP (BN-3), Section 5.3, pg 5	Water quality testing will continue to be carried out on the Barangaroo WTP discharge water at the following frequencies: <ul style="list-style-type: none"> Prior to discharge offsite (monitoring carried out by the WTP in-built monitoring system) 	October 2021 – April 2022 Water Quality Report Quarterly Water Quality Assessment Q4 2021 Quarterly Water Quality Assessment Q1 2022 Daily Check sheet and online monitoring portal.	Monitoring has been summarised from October 2021 to April 2022 as per the criteria and requirements outlined in the WQMP	Compliant

	<ul style="list-style-type: none"> Following significant inclement weather events > 20 mm in 24 hours 	Quarterly Water Quality Assessment November 2021, Appendix A Monthly Water Quality Assessment December 2022 Monthly Water Quality Assessment January 2022 Monthly Water Quality Assessment February 2022 Daily Check sheet and online monitoring portal.	As above	Compliant												
	<ul style="list-style-type: none"> Quarterly monitoring of the full suite of physical and chemical stressors and toxicants 	As above	As above	Compliant												
	<ul style="list-style-type: none"> Monthly monitoring for ammonia, cyanide, copper and zinc. 	As above	As above	Compliant												
Groundwater Monitoring (GW-1 and GW-2), Section 5.3, pg 5	Groundwater sampling will be carried out on a quarterly basis at the Basement 3 (B3) groundwater holding tank (GW-1), as shown in Figure 3, and the Basement 6 (B6) sump at the base of the northern shaft (GW-2), as shown in Figure 4, prior to water being pumped from these locations to the WTP.	Refer Quarterly Monitoring Reports	Groundwater sampling results presented in the quarterly reports	Compliant												
Groundwater Monitoring (GW-1 and GW-2), Section 5.3, pg 5	Quarterly monitoring will take place for the same full suite of physical and chemical stressors and toxicants as are being monitored at BW-3.	Refer Quarterly Monitoring Reports	Sampling results presented in the quarterly reports	Compliant												
Sampling Exceedance, Section 6, pg 6	A risk-based approach will be implemented in the event of a water sampling exceedance being recorded. An exceedance occurs when the water quality sample parameter is outside of the trigger value range, or exceeding the trigger values shown in Appendix A. The following items will be reviewed as part of the investigation into the exceedance event: <ul style="list-style-type: none"> Climate data including rainfall data leading up to and during the sampling event 	BESIX Watpac Water Quality Exceedance Report Q1 2022 – Section 2	Risk based approach has been applied to consideration of exceedances of trigger values	Compliant												
	<ul style="list-style-type: none"> Construction activities taking place on site and the implementation of the ESCP 	BESIX Watpac Water Quality Exceedance Report Q1 2022. – Section 3	Construction activities considered in exceedances of trigger values	Compliant												
	<ul style="list-style-type: none"> Contact laboratory to discuss sample testing and possible re-run of sample 	BESIX Watpac Water Quality Exceedance Report Q1 2022 – Section 4	Considered in report	Compliant												
	<ul style="list-style-type: none"> Review of WTP operations and daily sampling and flow records 	BESIX Watpac Water Quality Exceedance Report Q1 2022 – Section 5	Considered in report	Compliant												
	<ul style="list-style-type: none"> Conduct unscheduled water quality monitoring. 	BESIX Watpac Water Quality Exceedance Report Q1 2022 – Section 6	Considered in report	Compliant												
Sampling Exceedance, Section 6, pg 6	The results of the investigation may result in further action including changes to the monitoring program, modifications to certain construction activities, changes to the WTP process or consultation and reporting with the relevant government regulatory. The response action process for water quality exceedances occurring during monitoring is outlined in Figure 5.	BESIX Watpac Water Quality Exceedance Report Q1 2022.	Considered in report	Compliant												
Reporting, Section 7, pg 8	Water quality monitoring records will be issued in a Construction Water Quality Monitoring Report (CWQMR) which will be issued to Sydney Metro and the ER via Teambinder for information on a quarterly basis.	Quarterly Water Quality Assessment Q4 2021 Quarterly Water Quality Assessment Q1 2022	Water quality reports currently being sent via email. Observation: Reports being sent ad hoc via email at the moment and will need to be followed up more formally on Teambinder in future	Compliant Observation												
Soil & Water Management Procedure Rev E (25/09/2021)																
Water Treatment Plant, Section 7.3, pg xi	Water is discharged from the WTP into Sydney Harbour by TSE in accordance with the project's Environmental Protection Licence (EPL 20971), which nominates discharge criteria for key pollutants, as per Table 4 below. <i>Table 4 Barangaroo WTP discharge Criteria under EPL 20971 condition L2.8</i> <table border="1" data-bbox="418 1654 1231 1764"> <thead> <tr> <th>Parameter</th> <th>Unit</th> <th>Discharge Criteria</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>pH units</td> <td>6.5 – 8.5</td> </tr> <tr> <td>Total Suspended Solids</td> <td>mg/l</td> <td>50</td> </tr> <tr> <td>Oil and Grease</td> <td>Visible</td> <td>Not visible</td> </tr> </tbody> </table>	Parameter	Unit	Discharge Criteria	pH	pH units	6.5 – 8.5	Total Suspended Solids	mg/l	50	Oil and Grease	Visible	Not visible	Daily Check sheet and online monitoring portal.	There is no EPL applicable to the site however these values have been applied on the project	Compliant
Parameter	Unit	Discharge Criteria														
pH	pH units	6.5 – 8.5														
Total Suspended Solids	mg/l	50														
Oil and Grease	Visible	Not visible														

Water Discharge Impact Assessment (WDIA), Section 7.4, pg xiii	A summary of the key findings made by the WDIA and recommendations which BESIX Watpac will adopt are as follows: <ul style="list-style-type: none"> The current discharge (under TSE operation) from the WTP generally achieves the ANZECC (2000) guidelines trigger values for 95% species protection of aquatic ecosystems for toxicants, with the exception of ammonia, cyanide, copper and zinc Copper, cyanide and zinc will be monitored against the 80% species criteria. 	Monthly and Quarterly Water Quality Monitoring results sighted and online monitoring portal.	Monitoring results indicate that discharges from the WTP generally achieve the ANZECC trigger values	Compliant
Water Quality Monitoring, Section 7.5, pg xiv	The WTMP sets out a program of monitoring to be undertaken to check the quality of water, which is being discharged from the WTP, and within Sydney Harbour, to meet the recommendation made in the WDIA and to maintain the NSW Water Quality Objectives in accordance with CoA E107. Water quality monitoring records will be issued in a Construction Water Quality Monitoring Report (CWQMR) which will be issued on a quarterly basis.	Quarterly Water Quality Monitoring results sighted e.g. 19/4/22.	Quarterly Water Quality Monitoring reports are being prepared and issued on a quarterly basis	Compliant
Water Mitigation Measures, Section 7.6, pg xv	The following water mitigation measures will be implemented: Clean water will be diverted around disturbed site area, stockpiles and contaminated areas	Photo in Appendix C	Site water is being diverted around site using pumps and covered stockpile noted (Appendix C)	Compliant
	Dangerous goods and hazardous materials storage will be within bunded areas with a capacity of 110 per cent of the maximum single stored volume	Photo in Appendix C	Bunding of chemical containers noted in WTP area (Appendix C)	Compliant
	All accumulated water shall be treated to ensure that NSW Water Quality Objectives are met prior to re-use or discharge from the site as required by Condition of Approval (CoA) E107 and as outlined in the WDIA		All accumulated water is treated at the WTP prior to discharge	Compliant
	All discharge from the WTP will be monitored to ensure compliance with the discharge criteria and monitoring program as outlined in the WQMP with monitoring reports issued in the CWQMR	Daily Check sheet and online monitoring portal.	Daily monitoring occurring and automatic plant bypass activated if in stream monitoring detects exceedance of pH or turbidity	Compliant
	A hold point will be put in place (as required by Table 1.4 Preliminary Register of Hold Points of the CEMF) where water will be tested to verify compliance and not discharged unless discharge requirements are met	Daily Check sheet and online monitoring portal.	Daily monitoring occurring and automatic plant bypass activated if in stream monitoring detects exceedance of pH or turbidity	Compliant
	Any rainwater or surface water flowing into the site will be collected and pumped to the WTP for treatment prior to discharge.		Currently occurring via the use of surface pumps and lay flat hose	Compliant
Spill Mitigation Measures, Section 9.1, pg xvii	Spill kit and fire response equipment to be located where chemical and fuel using plant or equipment is stored or operated and outlined in Environmental Control Maps (ECMs).	Refer to Environmental Control Maps and on-site inspection	Spill kits sighted on site during site inspection (Appendix C)	Compliant
Record Management, Section 10, pg xviii	Records will be maintained by the project Planning and Environment and Environmental Co-ordinator, as follows: <ul style="list-style-type: none"> Copies of current ESCPs for all active construction sites and areas 	ESCPs are saved on the project's document control platform and displayed on site at the site accommodation	Copy of ESCP on site notice board (Appendix C)	Compliant
	<ul style="list-style-type: none"> Records of soil and water inspections undertaken 	Numerous ER/SM joint inspection reports from 2021 to 2022 sighted	ER/SM fortnightly inspections indicate that soil and water inspections are being undertaken regularly	Compliant
	<ul style="list-style-type: none"> Records of testing (monitoring program results) of any water prior to discharge and quality of water discharged in the CWQMR 	Refer to the various Monthly and Quarterly Water Quality Reports.	As noted earlier there is ample evidence of water testing prior to discharge	Compliant
Heritage Management Sub Plan Rev E (25/08/2021)				
Scope of test and salvage excavations, Section 6.1.1, pg 25	Historical archaeological test and salvage excavations will be undertaken where there is a Moderate to High potential for archaeological remains at the site. Archaeological monitoring and unexpected finds procedure will apply to other areas of the site as set out in the historical Archaeological Method Statement.	HMP identified areas of Moderate to High archaeological potential in Figure 4.1 of the HMP (page 86). Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West. 20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)	Records indicate compliance	Compliant
Archaeological testing & monitoring, Section 6.1.3, pg 25	Archaeological testing will be undertaken in areas of Moderate-high potential to establish the depth of archaeology and to confirm its integrity in those areas. If it is found that the impacts will exceed the depths of	Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West.	Records indicate compliance	Compliant

	the top of the nineteenth century archaeology, then open area stratigraphic excavation would proceed to salvage all archaeological remains within areas of impact.	20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)		
Open area salvage excavation, Section 6.1.4, pg 26	Excavation will be in accordance with the following methodology to ensure that all significant archaeological relics, features and deposits are appropriately managed and recorded: Establish a site datum and lay out a grid, relevant to the size of the site, 10m, 20m or 50m, across the site in order to record the levels of extant deposits, features and relics;	Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West. 20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)	Records indicate compliance	Compliant
	Significant features will be recorded in detail and excavated manually under the supervision of the excavation director	Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West. 20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)	Records indicate compliance	Compliant
	All significant archaeological deposits, features and relics that are exposed during the excavations will be recorded in accordance with heritage best practice standards	Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West. 20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)	Not triggered	NT
	Collection of all significant artefacts for analysis, except from non-significant unstratified fill. Samples of bricks and mortar will be collected from each structure, as relevant.	Refer to the Clearance Certificate issued by AMBS for area to the South of the Project and email to continue works to South West. 20870 M4 Hickson Rd South Clearance Certificate 220321 Email M Hincks South West (Trench 2)	Not triggered	NT
Archaeological Relics Management Plan, Section 7.1.1, pg 28	Project Planning Approval Condition E20 requires preparation of an Archaeological Relic Management Plan if a relic is unexpectedly found during investigations or construction.	No relics have been uncovered on site	Not triggered	NT
Archaeological Relics Management Plan, Section 7.1.1, pg 28	If unexpected finds or archaeological features are exposed, work will stop in the affected area and the Historic/Aboriginal Excavation Director(s), who will be on call during this stage of works, will be contacted to assess the integrity and significance of the exposed relics. They will then identify the appropriate management of the relics.	No relics have been uncovered on site	Not triggered	NT
Clearance certificates, Section 7.1.3, pg 28	Primary Historic/Aboriginal Excavation Director(s) will provide written advice that all archaeological investigations within an area have been completed and issue clearance certificates to allow works to commence or resume.	Refer: 20870 M4 Hickson Rd South Clearance Certificate	Certificate indicates compliance	Compliant
Analysis and reporting, Section 7.1.4, pg 29	A Preliminary Archaeological Report on the archaeological investigations at each site will be finalised 40 business days after issue of Clearance Certificates and provided to Sydney Metro to assist in heritage interpretation and should also be issued to the Heritage Council for their information.		This will occur once the works on site have been finalised. Works are still in progress at this stage.	NT
Analysis and reporting, Section 7.1.4, pg 30	Condition E18 requires preparation of a final archaeological excavation report. The Historical Archaeological Excavation Report will be prepared in accordance with the standard requirements of an Excavation permit issued by the Heritage Council. The Historical Archaeological Excavation Reports will also include: •Detailed catalogue of artefacts, in accordance with Best Practice and as set out in the Archaeological Research Design and Method Statement •Description and Analysis of artefacts from main contexts. •Location for the repository for the storage of artefacts in perpetuity.		This will occur once the works on site have been finalised. Works are still in progress at this stage.	NT
Analysis and reporting, Section 7.1.4, pg 30	Processing, analysis and storage of the artefacts for the duration of the project will be conducted at AMBS premises. However, a repository for the long-term storage of the artefacts from the Sydney Metro project will be required to be provided by Sydney Metro.		No evidence of significant archaeology has been encountered on site	NT
Scope of Aboriginal archaeological investigations, Section 8.1.3, pg 31	Archaeological inspections will be undertaken by an AMBS archaeologist at Barangaroo, following clearance of historic materials, to determine the presence of intact remnant soil profiles or artefacts. Archaeological test excavations would be undertaken from the information provided in the projects Aboriginal Cultural Heritage Assessment Report (ACHAR).		No evidence Aboriginal archaeology has been encountered on site	NT

Exhumation Management, Section 8.1.4, pg 32	Any human remains uncovered during construction will be dealt with in accordance with the ExMP which is provided in Appendix E. The ExMP has been developed to address the relevant planning conditions of approval and provides a clear and concise easy-to-follow process to adopt in the event of the discovery of potential human remains during construction.		No human remains have been uncovered on site.	NT
Analysis and reporting, Section 8.1.8, pg 33	Excavated archaeological material will be analysed by AMBS on a similar level to that of previous assemblages from the Sydney Basin. Information from this analysis will be used to make interpretations about the Aboriginal site use, antiquity and settlement patterns of the study area, and to assess regional cultural heritage values. A full description of the recording methods will be included in the final archaeological report.		No Aboriginal archaeological items recovered to date	NT
Storage, Section 9.1.1, pg 35	Artefacts that are recovered during the archaeological investigations will be cleaned, bagged, labelled and appropriately analysed and stored so that information that can contribute to the understanding of the site and its historical development is not lost.		No evidence of significant archaeology has been encountered on site	NT
Storage, Section 9.1.1, pg 35	Sydney Metro's storage facility will be secure to protect all historical relics, Aboriginal artefacts and salvaged elements from damage or vandalism.		No evidence of significant archaeology has been encountered on site	NT
City & Southwest Out of Hours Work Strategy/Protocol Ver 5.2 (09/10/2021)				
OOH Work Endorsement and Approval, Section 4.1, pg 18	In accordance with C2S CoA E47 and with the exception of OOH work that is subject to an EPL, all OOH work subject to the C2S planning approval requires endorsement by the AA and approval by either the ER, or in the case of 'high risk' works undertaken after 9pm, endorsement by the AA and approval by the Secretary.	Various OOHW approvals by ER/AA sighted including BR-OOHWA-005 3/11/21	All OOHWAs have been endorsed by the AA and approved by the ER. Refer to individual OOHWAs	Compliant
OOH Work Approval Process, Section 4.2, pg 18	All OOH work applications that are not subject to an EPL will be submitted to the Place Manager, Sydney Metro Environment Manager, AA (if subject to the C2S planning approval) and ER for review and comment. These reviews will take into consideration a range of aspects, including reviewer experience and expert understanding, local knowledge of the area, current understanding of sensitive receiver requirements and other relevant documents.		OOHW approvals by ER/AA sighted including BR-OOHWA-005 3/11/21 signed off by ER/AA and Senior Communications Manager for SM. EM has delegated responsibility for review of OOHW applications to Environmental Coordinator.	Compliant
OOH Work subject to an EPL, Section 4.2.1, pg 20	For OOH work that is subject to an EPL, the EPL conditions will dictate the approval process. As a minimum however, for proposed OOH work that is not approved in the EPL and a variation is required, the contractor is expected to:		There is no EPL associated with the works	NT
	<ul style="list-style-type: none"> Prepare an application to the EPA in accordance with the CNVS and EPL requirements; Ensure any required community notifications have been issued (by either Sydney Metro or the contractor directly) within the timeframe(s) specified and in accordance with any relevant conditions of the EPL. 		There is no EPL associated with the works	NT
OOH Work not subject to an EPL, Section 4.2.2, pg 20	For OOH work that is not subject to an EPL, the approval process is dictated by either C2S CoA E47 or S2B CoA E25. Contractors are required to prepare an OOH application using a form consistent with SM-17-00000115 Out of Hours Work Application Form. This form requires a noise and vibration impact assessment to be undertaken and contains a consolidated and conservative version of Table 14 from the CNVS.	Numerous approved OOHWAs sighted	Compliant	Compliant
Respite, Section 4.2.2.1, pg 21	Proposed OOH works must be coordinated to avoid the same receiver being affected over consecutive nights as much as is reasonable. OOH works must be staggered as much as is reasonable in order to maximise the respite period between OOH works.		Refer to OOHWAs. Particularly OOHWA-006 where no more than 2 consecutive night of works occurring in 1 location provides evidence of compliance	Compliant
Communications Endorsement and Default Risk Level Identification, Section 4.2.2.3, pg 21	The first endorsement of an OOH application is from the applicable communications representative (from Sydney Metro). This endorsement represents an agreement from the communications representative that the OOH works have been proposed in accordance with the relevant communications requirements and that the community's interests have been addressed as much as is reasonable (including appropriate consideration and implementation of additional mitigation measures, such as respite). This person may also add any comments and/or conditions that need to be complied with.	Refer to SM Comms endorsement of approved OOHWAs	Compliant	Compliant
Negotiated Agreements with Sensitive Receivers, Section 4.3.1, pg 24	A negotiated agreement for particular OOH work may be formed with the potentially affected sensitive receivers in accordance with the C2S and/or S2B CoA. These negotiated agreements would be undertaken and documented by either the contractor or Sydney Metro as part of an OOH application. The negotiated agreement needs to reach a minimum 65% acceptance rate of those sensitive receivers that are contactable. 'Contactable' is defined as having received correspondence (either verbal or written) from receivers within a two week timeframe.		No negotiated agreements with sensitive receivers have taken place	NT
Emergency Works, Section 4.4, pg 25	Occasionally there may be a need to undertake emergency works outside of standard work hours. In this situation, the works are permitted to proceed without prior approval, provided that the works were: <ul style="list-style-type: none"> Unforeseen, and Required to avoid injury or the loss of life, damage or loss of property or to prevent environmental harm. 	Refer to: 211016 Emergency Works Report 001	Emergency works related to the repair of the access hoist in the Northern shaft over 16/17 October (weekend) met the requirements of this condition	Compliant

Emergency Works, Section 4.4, pg 25	On becoming aware of the need to undertake emergency works, contractors must notify Sydney Metro, the AA (if subject to the C2S planning approval), the ER and the EPA (if it is required under an EPL if relevant) of the need to undertake the works. This notification should be in the form of a written email or text message to Sydney Metro, the AA (if subject to the C2S planning approval) and the ER. The requirements for notifying the EPA will be dictated in the conditions of the EPL if relevant.	Email from contractor to listed parties on Friday, 15 October 2021 4:29 PM advising of emergency works	Contractor notification email indicates compliance	Compliant
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APPENDIX C – SITE PHOTOS



Plate 1 - Site stormwater being transferred via lay flat hose to WTP

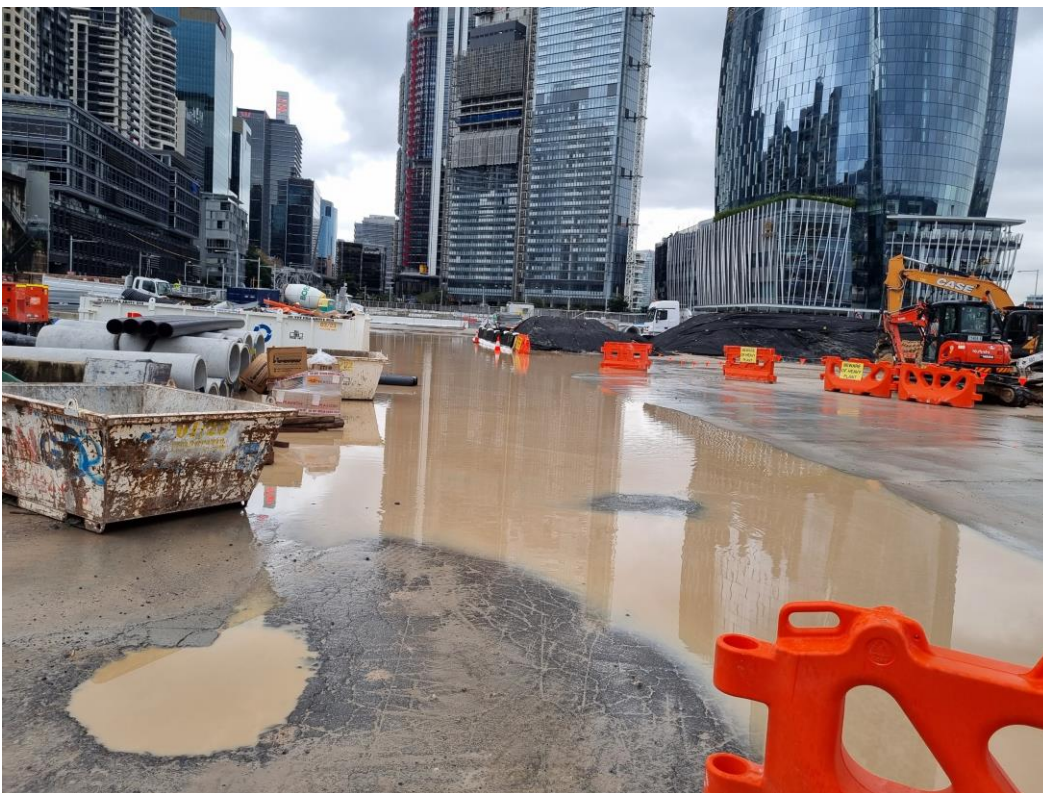


Plate 2 - Internal stormwater sump, note covered stockpiles in background



Plate 3 - Chemical storage area at WTP with roof to reduce rainfall ingress into bunded areas



Plate 4 - WTP filter cake storage area well bunded



Plate 5 - Discharge outlet pit protected with geofabric and sand bags



Plate 6 - Flocculation zone in WTP



Plate 7 - In line turbidity and pH monitoring at WTP



Plate 8 - Bunded and covered chemical store

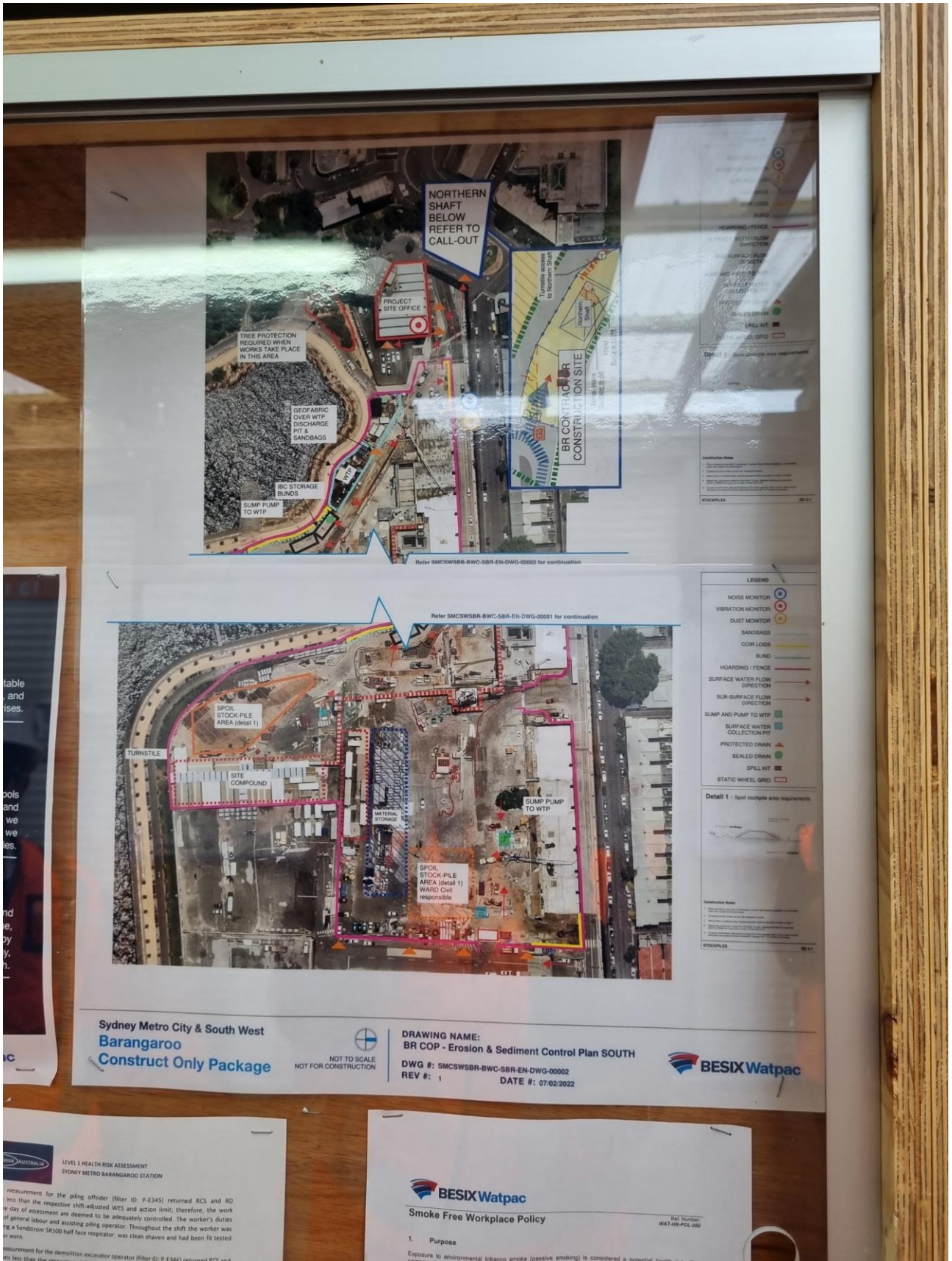


Plate 9 - Site erosion and sediment control plan on site notice board



Plate 10 - Sealed spill kit containers in chemical store

APPENDIX D – DECLARATIONS

Declaration of Independence - Auditor



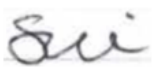
Project Name:	SYDNEY METRO CITY & SOUTHWEST – BARANGAROO STATION
Consent Number:	SSI 7400
Description of Project:	Development of the Sydney Metro Barangaroo Station
Project Address:	Sydney metropolitan area
Proponent:	Transport for NSW – Sydney Metro
Title of audit	Independent Audit No. 1
Date:	31/05/22

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the *Independent Audit Post Approval Requirements (Department 2020)*;
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit;
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of Auditor:	Steve Fermio
Signature:	
Qualification:	Bachelor of Science (Honours) Exemplar Global Auditor Number 110498
Company:	WolfPeak Pty Ltd

Declaration of Independence - Auditor




Project Name:	SYDNEY METRO CITY & SOUTHWEST – BARANGAROO STATION
Consent Number:	SSI 7400
Description of Project:	Development of the Sydney Metro Barangaroo Station
Project Address:	Sydney metropolitan area
Proponent:	Transport for NSW – Sydney Metro
Title of audit	Independent Audit No. 1
Date:	31/05/22

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the *Independent Audit Post Approval Requirements (Department 2020)*;
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit;
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of Auditor:	Derek Low
Signature:	
Qualification:	Master of Environmental Engineering Management Exemplar Global Auditor Number 114283
Company:	WolfPeak Pty Ltd