

3 February 2022

Department Planning & Environment
 Sydney NSW 2000
 Issued by email - compliance@planning.nsw.gov.au

Dear Sir/Madam,

RE: Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment. SSD8647 Condition B41 Independent Environmental Auditor

On behalf of Health Infrastructure (HI), I write to you in relation to satisfying Condition B41 Independent Environmental Auditor.

To satisfy Condition B41 Independent Environmental Auditor, please see attached to this letter the Independent Environmental Audit Report. The Eighth Independent Environmental Audit was undertaken in accordance with the SSD Conditions on 08 December 2021 and in line within the Environmental Audit Schedule issued to the Department of Planning, Industrial and Environment within the letter dated 20 March 2019. Refer *Appendix B* attached Environmental Audit Schedule for ease of reference.

One minor non-compliance was identified during the Environmental Audit undertaken on 8 December 2021. One minor Opportunity for Improvement (OFI) was also identified. Both items are noted within section 4.3 of the Independent Environmental Audit Report. Refer *Appendix A* attached Independent Environmental Audit Report dated 19 January 2022 and below table for close out comments:

Finding No.	Ref.	Finding	Comment/ Recommendation
Non-Compliance-01	SSD Cl. B37 (Checklist item 5.7)	<u>Construction Compliance Report</u> The Construction Compliance Report for the period March to August 2021 dated 29 September 2021 was submitted to DPIE on 10 December 2021, which is outside the reporting period per SSD Condition B37.	Future Construction Compliance Reports should be submitted by the Proponent to DPIE within the timeframe required by SSD Condition B37.
OFI-01	SSD Cl. C19 (Checklist)	<u>Erosion and Sediment Controls</u>	After the site walk sediment controls were reinstated – installed coir logs at the

Finding No.	Ref.	Finding	Comment/ Recommendation
	item 4.40)	ErSed Controls were observed during site visit, e.g. geofabric in drains close to work areas. Watpac noted that Council had completed footpath works the day before on the Palmerston Road site boundary and controls had been removed.	boundary fence. Post-audit photo evidence was presented. It was recommended to ensure that erosion and sediment controls are reinstated whenever these are affected by changes to the site layout.

Yours sincerely



Antony Giorgini
Associate Project Director

Appendices

- *Appendix A – Independent Environmental Audit*
- *Appendix B – Proposed Environmental Audit Schedule (Rev.03 – June 20)*
- *Appendix C – Project Management Plan (Rev.04 – August 20)*

APPENDIX A

Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2 Environmental Audit No. 8



Assessment of BESIX Watpac's Environmental Management System Compliance Against ISO14001: 2015 and Project Conditions of Consent SSD 8647

Audit Reference:	AQ1236.08
Audit Organisation:	BESIX Watpac Pty Ltd
Auditor:	Luis Garzon, AQUAS
Date of Audit:	8 December 2021
Draft Report Submitted:	22 December 2021
Final Report Submitted:	19 January 2022

Amendment, Distribution & Authorisation Record

Version Control and Distribution

Revision No.	Date	Issued to
Draft	22 December 2021	Adam Nichols
Final	19 January 2022	Adam Nichols, Yonis Ahmad

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This report has been prepared and reviewed in accordance with our Quality control system.

This report has been prepared by:

[Luis Garzon](#)
Environmental Auditor

Date: [19/01/2022](#)

This report has been reviewed by:

[Olivia Ajagamelle](#)
Environmental Auditor

Date: [19/01/2022](#)

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AQUAS Pty Ltd
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1. Executive Summary	4
2. Audit and Project Details	5
2.1 Project Background	5
2.2 Objective and scope of this Audit	6
2.3 Scope of Audit	6
2.4 Date and Location of Audit	6
2.5 Audit Period	6
3. Audit Methodology	6
3.1 Opening Meeting	6
3.2 Audit Process	6
3.3 Audit Criteria	7
3.4 Closing Meeting	7
4. Audit Findings	7
4.1 Audit Overview	7
4.2 Review of Previous Audit Findings	9
4.3 Identified Findings	10
5. Conclusion	11
Appendices	
Appendix A. [Audit Attendance Sheet]	12
Appendix B. [Auditor Declaration]	13
Appendix C. [Audit Checklist]	14

1. Executive Summary

This independent environmental audit was conducted to review the implementation of BESIX Watpac's Environmental Management System against the requirements of the AS/NZS ISO 14001: 2015 Standard and the requirements of the Project Development Consent SSD 8647. The audit was conducted by AQUAS on 8th December 2021.

This report details the findings of the eighth Environmental audit of the construction works undertaken by Watpac for the Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2. Construction works taking place at the time of the audit included:

- landscaping in Lumby Building area;
- roof and flashings completion;
- minor works in internal areas; and
- landscaping and other works in main entrance and ED area:
 - retaining walls
 - curbs
 - handrails
 - last stormwater pit being installed on the day of the audit

BESIX Watpac (hereafter referred to as Watpac) is the nominated Principal Contractor for the project and has the responsibility for the management of environmental aspects associated with the construction works.

The audit confirmed that Watpac has continued to address the requirements of the Conditions of Consent and implement the required environmental controls for current site activities. Compliance with the obligations was demonstrated through the availability of environmental documentation and records which included Crown Certificates, inspection reports, registers, correspondence, performance reports and other. Environmental documentation was available, including the Project Environmental Management Plan Rev. 7 (March 2021), Noise and Vibration, Erosion and Sedimentation, Waste, Traffic Management Plans, Asbestos Removal Control Plan and other sub-Plans. There was evidence of inductions and regular toolbox talks to maintain environmental awareness of all workers at the site.

Implementation of environmental controls was observed during the site inspection, including erosion and sedimentation measures within construction areas, site signage in relevant locations, ad-hoc noise monitoring, waste bins in various locations, traffic controls, dust suppression and ongoing site monitoring.

Communications continue to be in place with the Hospital, relevant stakeholders and the community, as required. Watpac has continued to prepare six-monthly Construction Compliance Reports, with the latest one dated 29 September 2021.

No environmental incidents have occurred during the audited period. The audit identified one (1) Non-Compliance in relation to submission of reports to the Department of Planning, Industry and Environment outside the reporting timeframes, and one (1) opportunity for improvement regarding monitoring of environmental controls when changes in the site layout occur. The details of the audit process and findings are detailed in the following sections of this report.

2. Audit and Project Details

2.1 Project Background

Project Name	Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2
Project Application Number	SSD 8647 – Mod-5 08.04.21
Project Address	Palmerston Road, Hornsby NSW 2077
Project Phase Description	<p>Construction.</p> <p>Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment includes:</p> <ul style="list-style-type: none"> • construction of a seven storey building including part basement level and rooftop plant level, containing: <ul style="list-style-type: none"> ○ a new main hospital entry ○ a new 12 bed intensive care unit ○ four new 28 bed inpatient units ○ new and refurbished ambulatory care ○ an extended emergency department ○ increased capacity of the existing Psychiatric Emergency Care Centre from four to six beds ○ two new 28 bed rehabilitation wards ○ a new mortuary ○ teaching and research facilities and administration space; ○ cafe; • car parking; • demolition works; • remediation; and • landscaping works; and • helipad.
Project Activity Summary	<p>Currently all buildings have been handed over.</p> <p>Key activities occurring onsite included:</p> <ul style="list-style-type: none"> • landscaping in Lumby Building area; • roof and flashings completion; • minor works in internal building areas; and • landscaping and other works in main entrance and ED area, including: <ul style="list-style-type: none"> ○ retaining walls ○ curbs ○ handrails ○ last stormwater pit being installed on the day of the audit

2.2 Objective of this Audit

This audit was conducted to confirm compliance of the Watpac Project Environmental Management Plan and its implementation against the requirements of the Standard AS/NZS ISO 14001:2015 and applicable requirements of the Development Consent SSD 8647 for the Hornsby Ku-Ring-Gai Hospital Stage 2 Redevelopment Project.

2.3 Scope of Audit

The audit reviewed Watpac's implementation of their Environmental Management System for the construction activities currently taking place as part of the Hospital Stage 2 redevelopment project.

2.4 Date and Location of Audit

The audit was conducted on 8th December 2021 at the Hornsby Ku-Ring-Gai Hospital Stage 2 site office – Palmerston Rd, Hornsby NSW 2077.

2.5 Audit Period

This was the eighth independent environmental audit carried out by AQUAS on the project, which covers the review of environmental documentation and records for the construction works from the last audit on 1st June 2021 to 8th December 2021.

It is noted that this report is based on the result of sampling and supplied documentation/records, as well as site activities sighted on the day of audit.

3. Audit Methodology

3.1 Opening Meeting

An opening meeting was held with personnel from APP Corporation, Watpac and AQUAS as per the Audit Attendance Sheet (see **Appendix A**) on 8th December 2021 at 9:30am.

Key items were discussed as follows:

- Confirmation of the purpose and scope of the audit.
- Overview of the Project and current status of the works.
- Occurrence of Environmental incidents.
- Overview of the audit process in accordance with the proposed Audit Program.

3.2 Audit Process

The audit commenced with a site walk where status of construction works and relevant environmental controls in place were observed. The site walk was followed by review of records and general discussions with Watpac staff for verification of the Environmental Management System implementation on the project.

Name and position of persons interviewed:

Name	Organisation	Position
Aurelie Bolle	Watpac	Senior Project Engineer
Helena Veljovic	Watpac	Building Cadet / PEO
Adam Nichols	APP	Project Manager

Details of the outcomes of the review can be found in the completed Audit Checklist (see **Appendix B**).

3.3 Audit Criteria

The following audit criteria/ratings were used for the rating of audit findings.

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.

3.4 Closing Meeting

The closing meeting was held on 8th December 2021 at 1:00pm with representatives of Watpac and AQUAS. General feedback and the findings of the audit were discussed during the closing meeting.

AQUAS auditors acknowledged the cooperation, openness and hospitality of Watpac staff during the conduct of this audit.

4. Audit Findings

4.1 Audit Overview

The audit determined that Watpac has well implemented controls for environmental management within the construction activities currently being undertaken. One opportunity for improvement was raised during this audit. The following is an overview of key Environmental areas reviewed:

4.1.1 Environmental Policy

- The HSEQ Policy is in place (last reviewed on 1 September 2020), has been communicated to all personnel and is available on the Watkins internal website and Watpac website.
- The Project Environmental Management Plan (PEMP) – March 2021 (Rev.7) has been implemented to minimise and control any harm to the environment. The Plan outlines environmental objectives and targets which are to be monitored through inspections and audits.

4.1.2 Leadership, Planning and Resources

- Roles and responsibilities are defined in the PEMP section 3.2.1. There are reduced resources as the project is now nearing completion.
- The contractor has generally maintained environmental controls onsite, as seen during the site walk.
- The PEMP contains detailed information of the relevant environmental aspects, impacts and controls. The environmental risk assessment is still at the first revision (12 March 2017) and it gets reviewed at every milestone of the project. There have been changes in the work environment but the risks and controls outlined in the risk assessment are still deemed to be relevant.
- A legal requirements register continues to be in place, the aspects identified in the PEMP have a section where legal requirements are referenced.

- The site was suitably secured to prevent unauthorised access – two main gates with traffic controllers during working hours and locked at other times.

4.1.3 Support

- Project site inductions continue to be delivered to Watpac staff and subcontractors. Induction contains awareness of environmental measures to be considered during construction.
- Toolbox Talks and pre-starts continue to be conducted to maintain ongoing awareness of safety and environmental matters onsite.
- Internal and external communications are managed through emails, subcontractor and client meetings, Aconex transmittals, etc. Community communications, e.g. letterbox drops have been delivered to neighbours on 29 November 2021 with information about works on the footpath affecting pedestrians.
- Consultation with Council takes place as necessary, e.g. a meeting was held on 19 November 2021 regarding a post-dilapidation report inspection.
- Communications with the Hospital through Disruptive Works Notices are the standard system for notification of disruptive works. 289 DWNs have been issued to date.
- The current PEMP and other sub-plans remain in place e.g. Noise and Vibration Management Plan, Waste Management Plan and Traffic and Pedestrian Management Plan.
- Relevant environmental records are maintained in different ways, e.g. hard copies in folders, stored in the Aconex System, Watkins and 3D safety App and/or filed in the office shared drive.

4.1.4 Operation

- Maintenance of plant and equipment used onsite continue to be controlled through the mobile 3D safety App. Service. Maintenance records for a Bobcat E20 2 ton excavator seen onsite.
- Site signage was installed near site access on Palmerston Road with project required information. Other signage in place, e.g. with Covid-19 Information.
- Post-construction dilapidation reports for Derby Road and other areas completed.
- On-site Stormwater Detention Tanks in place on Burdett Street and Palmerston Road.
- Noise monitoring readings continue to be undertaken now as part of ad-hoc inspections. Noise is not expected to be significant during the remaining project works.
- Construction hours 7am – 6pm weekdays, 8am – 1pm Saturday.
- Waste Diversion Report for Hornsby Hospital was available – Recovered 93.1% of waste in November 2021 (target is above 80%).
- Bins and containers for different waste types were available throughout the site.
- Water discharges have not been required during the audited period.
- Report by EHO Consulting for Area 5 (Burdett St) dated 9/08/2021 noted classified material as VENM. Sighted Area 5 Validation Site Audit Statement for Area 5 (EPA Auditor) 26/11/21.
- Erosion and Sediment Controls were observed during site visit, e.g. geofabric in drains close to works area. Noted that the site is self-contained.
- Watpac noted that footpath works were completed the day before in the site boundary on Palmerston Road and controls had been removed. After the site walk sediment controls were reinstated – coir logs installed under the boundary fence. Post-audit photo evidence was presented. It was recommended to ensure erosion and sediment controls are reinstated when these are affected by changes to the site layout – [OFI-01](#)
- The perimeter of the project site is fenced and is monitored for graffiti and advertising material.
- Traffic Control Plans and Vehicle Movement Plans available for current works.

- Emergency Response Plan Rev. 12 of 25 May 2021 was updated with site layout changes. Emergency evacuation plans to match the current site layout were in place.

4.1.5 Performance Evaluation

- Frequency of environmental inspections by the contractor has been reduced and they are conducted only in specific circumstances, e.g. after rain events or deemed necessary for other works onsite. Inspection reports were available including photos of controls in place during each inspection. Sighted inspection conducted on 8 December 2021.
- The Contractor's Monthly PCG Report for November 2021 was available. Section 9 has summary of environmental results.
- The latest Construction Compliance Report included reporting for March to August 2021 and was prepared on 29 September 2021 and submitted to the DPIE on 10 December 2021, outside the reporting period required by SSD Condition of Consent B37 – [Non-Compliance-01](#).
- The last independent environmental audit was conducted by AQUAS in June 2021; the Audit Report dated 30 June 2021 was submitted to DPIE on 07 July 2021, including response and proposed actions to address the audit findings.
- Information about the HKH2 project is published in the HI Website. Information required by SSD condition C27 was in place.
- An internal audit was undertaken by Watpac head office on 22 July 2021. Section 16 of the audit checklist reviewed environmental elements of the project.

4.1.6 Improvement

- The Non-conformance Register continue to be in place, corrective actions for issues raised have been actioned, as necessary. No environmental non-conformances were raised in the last six months.
- No environmental incidents have been identified so far in the project.
- A non-compliance identified during the previous independent environmental audit was notified to DPIE in accordance with the requirements of the SSD 8647.
- A Project Complaints Register was maintained and details about complaints were recorded including resolution reached. Four new complaints were recorded since the last independent audit, one of them about works undertaken under a different approval (REF). All complaints were responded to and closed out.
- The 24-hour enquiries number and email address continue to be available for the community.

4.2 Review of Previous Audit Findings

Audit findings were reviewed with Watpac and AQUAS noted that the non-compliance raised during the audit conducted on 1st June 2021 reoccurred for submission of the subsequent Construction Compliance Report, so it will be raised again as part of this audit. The Opportunity for improvement was closed out, as detailed below.

Finding No.	SSD Ref. No.	Finding	Comment/ Recommendation	Follow up Comments
NC-01	SSD Cl. B37 & B41 (Checklist Items 5.7 & 5.8)	<u>Construction Compliance Report and Independent Environmental Audit</u> The Construction Compliance Report for the period September 2020 to February 2021 and the Independent Audit report for the 14 th	Future Construction Compliance Reports and Independent Environmental Audit Reports (including response to raised audit issues) should be submitted by the	The Construction Compliance Report was escalated through the project team to HI Planning, moving forward the project team will request confirmation that the

Finding No.	SSD Ref. No.	Finding	Comment/ Recommendation	Follow up Comments
		December 2020 audit and Auditee's response to issues raised were submitted to DPIE on 01/06/2021, which is outside the reporting period for both reports per SSD Conditions B37 and B41.	Proponent to the DPIE within the timeframes required by the SSD Conditions B37 and B41 .	Report has been issued to DPIE, as required. However, the latest CCR March-August 2021 was submitted to DPIE on 10 December 2021, which is again longer than the reporting timeframe required by condition B37. OPEN The Independent Audit Report dated 30 June 2021 with response to findings was submitted within the timeframe required by condition B41. CLOSED
OFI-01	ISO 14001 Cl. 6.1.3 (Checklist Item 2.9)	<u>Compliance Obligations</u> Some references in CEMP are outdated, e.g. page 37 (50) refers to the WHS Regulation 2011 (should be 2017); old reference to CoP for safe removal of asbestos – there is a July 2020 version, etc.	Watpac to consider reviewing references to legislation to ensure the latest updates are included.	Watpac are reviewing the references to legislation in the CEMP to ensure they align with the current versions in place. This will be considered in future projects, as this one is nearing completion. CLOSED

4.3 Identified Findings

The table below outlines the findings raised during the audit:

Finding No.	Ref.	Finding	Comment/ Recommendation
Non-Compliance -01	SSD Cl. B37 (Checklist item 5.7)	<u>Construction Compliance Report</u> The Construction Compliance Report for the period March to August 2021 dated 29 September 2021 was submitted to DPIE on 10 December 2021, which is outside the reporting period per SSD Condition B37.	Future Construction Compliance Reports should be submitted by the Proponent to DPIE within the timeframe required by SSD Condition B37 .
OFI-01	SSD Cl. C19 (Checklist item 4.40)	<u>Erosion and Sediment Controls</u> ErSed Controls were observed during site visit, e.g. geofabric in drains close to work areas. Watpac noted that Council had completed footpath works the day before on the Palmerston Road site boundary and controls had been removed.	After the site walk sediment controls were reinstated – installed coir logs at the boundary fence. Post-audit photo evidence was presented. It was recommended to ensure that erosion and sediment controls are reinstated whenever these are affected by changes to the site layout.

5. Conclusion

This audit was completed to assess the environmental controls established by Watpac and HI against the requirements of the Development Consent for the project. The audit confirmed that the Environmental Management System has been implemented to a satisfactory level, with one non-compliance (against an administrative condition) and one opportunity for improvement identified as part of the review. The following table summarises this audit findings by rating category:

Findings Rating	Findings
Compliant	91
Non-Compliant	1
Not Triggered	9
Total Requirements	101

It is suggested the project team takes the feedback from this audit as an opportunity to make improvements in environmental performance during the progress of the project.

Appendix A. [Audit Attendance Sheet]

AUDIT ATTENDANCE SHEET



PROJECT: Hornsby Hospital stg 2 AUDIT No.: 8

AUDITEE: Watpac / APP LEAD AUDITOR: Luis Garzon

MEETING LOCATION: Project Site Office

OPENING MEETING DATE AND TIME: 8/12/21 9:30am

CLOSING MEETING DATE AND TIME: 8/12/21 1pm

NAME	ORGANISATION	POSITION	SIGNATURE	
			OPENING MEETING	CLOSING MEETING
Luis Garzon	AQUAS	Auditor	<i>Lg</i>	<i>Lg</i>
Aurelie Bolle	BESIX Watpac	Senior Project Engineer	<i>A Bolle</i>	<i>A Bolle</i>
Helena Veyovic	BESIX Watpac	Cadet / PEO	<i>H Veyovic</i>	<i>H Veyovic</i>
Adam Nichols	APP	Project Director	<i>A Nichols</i>	

Appendix B. [Auditor Declaration]

Independent Audit Declaration Form

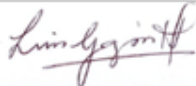
Project Name:	Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2
Consent Number:	SSD 8647
Description of Project:	Construction of a seven storey building including part basement level and rooftop plant level, containing: a new main hospital entry; a new 12 bed intensive care unit; four new 28 bed inpatient units; new and refurbished ambulatory care; an extended emergency department; increased capacity of the existing Psychiatric Emergency Care Centre from four to six beds; two new 28 bed rehabilitation wards; a new mortuary; teaching and research facilities and administration space; cafe; car parking; demolition works; remediation; landscaping works; and helipad, etc.
Project Address:	Palmerston Road, Hornsby NSW 2077
Proponent:	Health Infrastructure
Title of Audit:	Independent Environmental Audit
Date:	21 st December 2021

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 Independent Audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the 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; and
- 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 the Auditor:	Luis Garzon
Signature:	
Qualification:	Lead Environmental Auditor
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060

Appendix C. [Audit Checklist]

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
1.0	Environmental Policy (5.2)			
1.1	5.2	The Contractor has an Environmental policy authorised by top management and is communicated to all persons working for or on behalf of the organisation and available to the public	HSEQ Policy reviewed – dated 1/09/20, signed by the CEO. Policy is displayed site office close to the induction room. Available in the Watpac webpage and site office. Policy is still current.	Compliant
1.2	Environmental Objectives and planning to achieve them (6.2)			
1.3	6.2.1	The Contractor has documented and measurable environmental objectives and targets for the project. Objectives and targets are communicated Regular reviews against performance targets?	PEMP section 2.1 and 5.3 has KPIs for each of the environmental aspects. Objectives are communicated through the use of the PEMP. Contractor continues to complete weekly inspections of the site.	Compliant
1.4	6.2.2	The Contractor has established, implemented and maintained a plan(s) for achieving its objectives and targets	Objectives and targets are monitored during PCG meetings. Monthly reports prepared – sighted for November 2021, section 9 has safety and environmental information. This is submitted to APP.	Compliant
2.0	Leadership (5.0), Planning (6.0) and Resources (7.1)			
2.1	Resources, roles, responsibility and authority (5.3)			
2.2	7.1	The Contractor has identified and provided the resources required to implement the EMS for the project, including: <ul style="list-style-type: none"> - human resources and specialised skills – Org Chart - technology & financial resources 	Has Project Organisational Chart showing resources in place. Latest Organisation chart was updated in the PMP, as noted in PMP Rev. 4 of August 2020 – Appendix B. The Organisation chart was recently updated with changes in staff and a reduced Watpac team as the project wraps up.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
2.3	5.3	Roles, responsibility and authority have been defined, documented and communicated in order to facilitate environmental management.	Position descriptions available for each employee. PEMP Section 3.2. outlines environmental responsibilities for key roles, e.g. <ul style="list-style-type: none"> - Construction/Operations Manager - Quality and Environmental Manager - Project Manager - Project Environmental Coordinator - Independent verification staff - Site Manager - Foreman - Contract Administrator - Direct labour - Subcontractors and suppliers. Latest revision of the PEMP is 7 – did not change since last audit.	Compliant
2.4	-	A management representative(s) has been appointed by the Contractor and has defined roles, responsibilities and the authority for: <ul style="list-style-type: none"> a) ensuring the EMS is established, implemented and maintained in accordance with the Standard b) reporting to top management on EMS performance for review, including recommendations for improvement 	Representatives are the Project Manager / QSE Manager assisted by Project Cadet as required.	Compliant
2.5	Environmental aspects (6.1.2)			
2.6	6.1.2	The Contractor has identified the environmental aspects of its activities, products and services – and those with significant environmental impacts. This has considered planned or new developments, or new or modified activities, products and services.	Aspects outlined in PEMP Section 5.2 and 5.3 lists the most relevant aspects and controls. Environmental Risk Assessment C-FRM-018 in place. It analyses all possible risks, some standard for all projects, some specific, last reviewed on the date 12/03/2017 (version 1 - Appendix 6.2). There have been changes in the work environment, but the controls outlined in the Risk Assessment are the same.	Compliant
2.7	6.1.2	The Contractor has documented this information and kept it up to date – Aspects/Impacts Register	Documented in section 5.3. Environmental Risk Assessment (PEMP Appendix 6.2) dated 12/3/17 – contains generic aspects/impacts. That is still at the first revision and will be reviewed at every milestone of the project. No changes have been made as it is still relevant to the project at this time.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
2.8		Compliance Obligations (6.1.3)		
2.9	6.1.3 9.1.2	The Contractor has identified all legal and other requirements relevant to its environmental aspects and how they apply to the project. There is a procedure for periodically evaluating compliance and records are maintained?	Legal Requirements Register in place (Appendix 6.6) includes the general requirements for project - not specific; also, section 5, under each of the listed aspects has as legal reference. Last change to the SSD Conditions 8647 was MOD 5 of 08/04/2021. Any legislation updates are provided by the Head Office. Sighted examples of email correspondence with legislation updates, mostly from WHS perspective.	Compliant
2.10	A1	All reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment than may result from the construction and operation of the development.	The contractor has generally maintained environmental controls onsite – as noted during the site walk. No environmental issues have been identified.	Compliant
2.11	A2	The development may only be carried out: a) in compliance with the conditions of this consent; b) in accordance with all written directions of the Secretary; c) generally, in accordance with the EIS as amended by the RtS and RtS Addendum; d) generally, in accordance with HHR Stage 2 Statement of Environmental Effects Section 4.55(1A) Modification to Incorporate Extensions of the Vertical Circulation Structures and Roof Form to Accommodate a Future Helipad; e) generally, in accordance with HHR Stage 2 Statement of Environmental Effects Section 4.55(1A) Modification for the establishment and use of Helipad structure; f) generally, in accordance with HHR Stage 2 Statement of Environmental Effects Section 4.55(1A) Modification to Emergency Department Façades, g) generally, in accordance with HHR Stage 2 Statement of Environmental Effects Section 4.55(1A) modification to Stage 2 site boundaries, changes to landscaping and tunnel link, and h) in accordance with the approved plans.	The development has generally been carried out in accordance with consent requirements and the approved plans. Works meet SSD 8647 conditions Mod 5 dated 08/04/21. Reviewed copy of the Statement of Environmental Effects for changes in tunnel link – only minor changes in boundaries, not affecting current environmental impacts.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
2.12	A9, A10	Applicability of Guidelines – If directed by the Planning Secretary, the Contractor has ensured compliance with updated or revised versions of applicable guidelines, protocols, Standards or policies referenced in the Conditions of Consent (otherwise compliance is required with any referenced guidelines, protocols, Standards or policies in the form they are in as at the date of this consent).	Compliance against Hornsby Ku-Ring-Gai Hospital Stage 2 Redevelopment (SSD 8647), As modified by SSD-8647 Mod-5, 08/04/21.	Compliant
2.13	A8	Structural Adequacy – All new buildings and structures, and any alterations or additions that are part of the development, must be constructed in accordance with the relevant requirements of the BCA.	<p>Crown Certificates CC1 - 12/07/2018 and CC2 - 11/10/2018.</p> <p>Crown Certificates received covers 30/4/19 for remaining works (CC3), including extension of Emergency Dept, front of house and others.</p> <p>Crown Certificate CC4 No. CRO-18155 dated 25/09/2019 for Helipad structural works. Includes: architectural design, lift design certificate, compliance statement, piling design statement and structural design statement.</p> <p>Has CC5 CRO-20065 of 2 July 2020 – Balancing of the Helipad. Refers to BCA compliance.</p> <p>Sighted Aconex correspondence of 7th Dec 2020 WTPC-GCOR-021344. from M. Cahalin to BMG Certifier, sending the information and asking for any changes in Crown Certificates. No additional changes.</p>	Compliant
2.14	B9	The Contractor has ensured works are designed and constructed to provide access and facilities for people with a disability in accordance with the BCA. The Certifying Authority must ensure that evidence of compliance with this condition from an appropriately qualified person is provided and that the requirements are referenced on any certified plans.	<p>iAccess consultants provided a report 25 September 2017 with all the provisions for DDA requirements. This forms part of submission to the certifying authority (BMG) for certification.</p> <p>Crown Certificate 3 references the iAccess Report dated 25 February 2019 with design changes incorporated.</p> <p>BCA Completion Certificate No. 17 14/05/2021 for Milestone 3 ED, Main entrance and Allied Health was the latest issued in relation to relevant works for this audit.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
2.15	B13	<p>Structural Drawings Prior to commencement of works, the Applicant must submit for approval of the Certifying Authority structural drawings prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with:</p> <p>a) the relevant clauses of the BCA; and b) this development consent.</p>	<p>BCA Crown Certificate references the SSD 12/07/2018 Blackett Maguire and Goldsmith – drawings and other docs received (e.g. certifications)</p> <p>BCA Crown Certificate 2 of 11/10/2018 – sighted certificate with drawings and structural adequacy.</p> <p>Crown Certificate 3 of 30/4/19 includes any remaining drawings.</p>	Compliant
2.16	B15	<p>All mechanical ventilation systems must be installed in accordance with Part F4.5 of the BCA and must comply with the AS 1668.2-2012. Details must be submitted for approval of the Certifying Authority prior to commencement of the relevant works.</p>	<p>This is a permanent design item, done to BCA and relevant Australian Standards.</p> <ul style="list-style-type: none"> - Item 19 of Crown Certificate - Item 7 of Crown Certificate <p>Dewpoint Report of 6/2/2019 has references to SSD conditions B15, B16 and others (part of Crown Cert. 3).</p>	Compliant
2.17	B16	<p>The installation, operation and maintenance of warm water systems and water-cooling systems must comply with the Public Health Act 2010, Public Health Reg. 2012 and Pts 1 and 2 (or Pt 3 if a Performance-based water-cooling system) of AS/NZS 3666.2:2011 Air handling and water systems of buildings - Microbial control - Operation and maintenance and the NSW Health Code of Practice for the Control of Legionnaires' Disease.</p>	<p>Dewpoint Group is the mechanical contractor. Sighted Certificate of Design Mechanical dated 6/2/2019 and revised on 22/3/2019.</p> <p>Cooling Towers have been put in place in March 2020. Presented registration with Council of documentation for the cooling towers, tests and Risk Management Plan – as per Aconex WTPC-GCOR-020735 of 4/11/20.</p>	Compliant
2.18	A21	<p>For work costing \$25,000 or more, a Long Service Levy must be paid.</p>	<p>Long Service Levy has been paid – Receipt No. 00399139 of 2 October 2019.</p>	Compliant
2.19	C24	<p>To protect the safety of work personnel and the public, the Subject Site must be adequately secured to prevent access by unauthorised personnel, and work must be conducted at all times in accordance with relevant Work Cover requirements.</p>	<p>The layout of the site has changed, e.g. the contractor has taken possession of new areas and there is a new site access.</p> <p>Inspections are conducted to ensure that the gates are locked.</p> <p>Access to the worksite is through 2 entrances with traffic controllers for vehicle access. Site is fenced off, traffic controllers are present during the day and locked gates at night.</p>	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
3.0	Support (7.0)			
3.1	Competency, training and awareness (7.2, 7.3)			
3.2	7.2	<p>The Contractor has ensured that employees and subcontractors are competent on the basis of appropriate education, training or experience.</p> <p>Relevant training and competency records have been retained.</p>	<p>HR recruitment process managed by head office.</p> <p>Subcontractors' competencies managed tendering process – selection of qualified personnel – questionnaire to be completed.</p> <p>Workers go through a Watpac online induction (general) and then there is a site-specific induction, e.g.</p> <ul style="list-style-type: none"> - Various inductions available, sighted Induction No. 3149 for T. Battugh, done on 30/11/2021. 	Compliant
3.3	7.3	<p>The Contractor has established a procedure to provide awareness to employees and subcontractors on:</p> <ol style="list-style-type: none"> the importance of conformity with the environmental policy, procedures and requirements of the EMS the significant environmental aspects and related actual or potential impacts associated with their work, and the environmental benefits of improved personal performance, their roles and responsibilities in achieving conformity with the EMS the potential consequences of not following the relevant procedures. 	<p>All staff go through project induction. This includes working hours, hazardous substances, emergencies, lighting, and other specific environmental elements.</p> <p>Have some subcontractors providing training in other language e.g. partition and façade contractor delivered training in Chinese.</p> <p>Toolbox talks are conducted every Monday (whole site) and daily pre-start (3D safety app).</p> <p>Sighted attendance record of contractor's training conducted for led and asbestos – Milestone 4, Building 1, 13 & 43, done on 22/09/2020 at 9am.</p> <p>New Evidence: Environment is Page 6 of the induction.</p> <p>Toolbox Talks conducted now on as-required basis. Latest one conducted on 2/12/2021 – discussed current issues, long weekend, safety, etc.</p>	Compliant
3.4	C31	<p>The Contractor must ensure that all its employees, contractors (and their subcontractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.</p>	<p>Apart from inductions and Toolbox Talks, Watpac provides to subcontractors the SSD conditions and the requirement to comply with all applicable project requirements (see checklist items 3.2, 3.3)</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
3.5	Communication (7.4)			
3.6	7.4.2	Procedures are in place for ensuring internal communication with regard to the environmental aspects and the EMS	<ul style="list-style-type: none"> - Conduct meetings with APP and HI fortnightly - Weekly meetings – DWN Tracking register, spreadsheet with status of DWNs, upcoming works, current works onsite - DWN – 289 issued to date. <p>E.g.</p> <ul style="list-style-type: none"> - 287 moved the lion statues to the place. - 288 Leak investigation L2-L3 dated 24/11/21 for works on 30/11/21. - Has Defects meetings with Hospital fortnightly, sighted notes for 8/12/21 meeting. 	Compliant
3.7	7.4.3	<p>Procedures are in place for communications with external parties, e.g.</p> <ul style="list-style-type: none"> a) EPA, Council, Hospital, others b) Community engagement – provision of information, sensitive receivers, follow up 	<p>Contractors meeting – every 2 weeks APP, HI and Watpac, go through design, HSE, program, construction.</p> <p>Any community communications are managed through HI.</p> <p>Recent examples:</p> <ul style="list-style-type: none"> - Had a meeting with Council 19/11/21 regarding post-dilapidation report inspection. - Had letterbox drops for neighbours – notification of works on footpath affecting pedestrians – prepared 25/11/21, approved 29/11/21 and distributed on that day. 	Compliant
3.8	A7	<p>Evidence of Consultation – Where conditions of this consent require consultation with an identified party, the Applicant must:</p> <ul style="list-style-type: none"> a) consult with the relevant party prior to submitting the subject document for approval; and b) provide details of the consultation undertaken, including: <ul style="list-style-type: none"> i) a description of how matters raised by those consulted have been resolved to the satisfaction of both the Applicant and the party consulted; and ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved. 	<p>As above – there have been letter box drops delivered to neighbours.</p> <p>Has meetings, DWNs, letterbox drops.</p> <p>Communication gets approval by APP, HI, LD, and then it can be sent.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
3.9	B1	<p>Notice of commencement of works</p> <p>If the construction or operation of the development is to be staged, the Contractor has notified the Department, Certifying Authority and Council, of the date of commencement and the development to be carried out in that stage. This is to be done in writing and at least 48 hours before commencement of each stage</p>	<p>Sighted letter of 28th June 2018 – ‘Notification of Commencement’</p> <p>A letter was dropped to neighbours for info +/- 130 residents.</p> <p>Next stage will be part of a different approval.</p>	Compliant
3.10	Documentation (7.5)			
3.11	7.5	<p>The Contractor has procedures for control of documents and records, which includes:</p> <ol style="list-style-type: none"> approval of documents for adequacy prior to issue review and update and re-approval ensuring that changes and the current revision status of documents are identified ensuring that relevant versions of applicable documents are available at points of use ensuring that documents remain legible and readily identifiable ensuring that relevant documents of external origin for the planning and operation of the EMS are identified and their distribution controlled preventing the unintended use of obsolete documents and applying suitable identification to them if they are retained for any purpose 	<ul style="list-style-type: none"> - Uses ‘Watkins’ system – has all current system documents, templates, forms, etc. - Aconex – project specific documentation e.g. the EMP + reports - Authorisation in the plan. - Documents are available in the server. - Have access to the NSW Gov. page for the project e.g. for SSD conditions. - Aconex docs – only have the current versions (older not shown) - G-Drive – have a ‘superseded docs’ folder - Some docs / records in G:/ Drive - Web FM – web-based portal for management of defects. - Evidence of reviews/ updates / approval, e.g. sighted transmittal from Watpac to APP of updated drawings on 27/11/19, then APP would circulate to others, as required. 	Compliant
3.12	B22, B23	<p>Construction Environmental Management Plan</p> <ol style="list-style-type: none"> Prior to the commencement of construction works, a CEMP must be submitted for the approval of the Certifying Authority. The CEMP must address, but not be limited to, the following matters where relevant: <ol style="list-style-type: none"> hours of work; 24-hour contact details of site manager; traffic management, in consultation with Council and TfNSW; construction noise and vibration management prepared by a suitable qualified person; management of dust and odour to protect the amenity of the neighbourhood; 	<p>Sighted PEMP dated March 2021 (Rev.7) authorised by PM with minor updates.</p> <p>a) Transmittal to HI/APP 20/03/2018 via Aconex – original plan</p> <p>Email of 19/09/2018 – sent updated plans to Planning NSW.</p> <p>Sighted Aconex email of 12/04/2018 to the Certifier; no comments have been received from either party.</p> <p>Aconex internal submission of CMP and WMP dated 17/12/19 was provided as supplementary evidence. Submission was made after the Independent Environmental Audit – Note.</p> <p>Aspects required in SSD Cl. B22 addressed generally in:</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<ul style="list-style-type: none"> vi) erosion and sediment control; vii) stormwater control and discharge; viii) measures to ensure that sediment and other materials are not tracked onto the roadway by vehicles leaving the Subject Site; ix) procedures for encountering groundwater during construction works; x) external lighting in compliance with AS4282:1997 Control of the Obtrusive Effects of Outdoor Lighting; xi) a protocol detailing appropriate procedures for identifying and dealing with unexpected finds of site contamination (including asbestos containing materials, Polycyclic aromatic hydrocarbons (PAHs), Total recoverable hydrocarbons (TRH) and lead-based paint); xii) a protocol detailing appropriate proceed. for identifying and dealing with unexpected finds of archaeological heritage; xiii) waste classification (for materials to be removed) and validation (for materials to remain) be undertaken to confirm the contamination status in these areas of the site; xiv) waste storage, recycling and litter control; b. The CEMP must not include works that have not been explicitly approved in this development consent. In the event of any inconsistency between the consent and the CEMP, the consent must prevail; and c. The Applicant must submit a copy of the CEMP to the Department and Council prior to commencement of work. <p>The CEMP must be implemented by the contractor for the duration of the construction works</p>	<ul style="list-style-type: none"> - PEMP and Sub-Plans and Emergency Response Plan - Traffic mgt is an Appendix to the Safety Management Plan. - PEMP Aspects (Section 5) b) Has a Noise and Vibration for Hospital as a 'sensitive receiver' (not in the SSD) – but not been submitted to the client. c) Plan was submitted – as per item a) above. 	
3.13	B24, B25	<p>Construction Noise and Vibration Management Plan to be submitted for approval of the Certifying Authority, to be implemented for the duration of the project and to be revised from time to time. Plan to address the following:</p> <ul style="list-style-type: none"> i) be prepared by a suitably qualified expert; ii) be prepared in consultation with Council and all adjoining noise sensitive receivers where noise levels exceed the construction noise management levels, in accordance with EPA guidelines; 	<p>CNVMP in place Rev 0 by Acoustic Logic, Doc 20180872.1/0624A/R0/TT of 24/06/18. Sighted submission to Blackett Maguire & Goldsmith, Aconex communication WTPC-GCOR-000647 of 29/6/18.</p> <p>Acoustic logic Report – has recommendations for noise & vibration controls. Baseline reference noise measured.</p>	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>iii) describe the measures to be implemented to ensure > best management practice is being employed; > compliance with the relevant conditions of this consent;</p> <p>iv) describe the proposed noise and vibration management measures in detail;</p> <p>v) include strategies that have been developed to address impacts to noise sensitive receivers where noise levels exceed the construction noise management level, for managing high noise generating works;</p> <p>vi) describe the consultation undertaken to develop the strategies in v) above;</p> <p>vii) evaluate and report on the effectiveness of the noise and vibration management measures; and</p> <p>viii) include a complaints management system that would be implemented for the duration of the construction works.</p> <p>The Contractor must submit a copy of the plan to the Dept. and to the Council prior to commencement of work. B25 – The CNVMP must be implemented by the contractor for the duration of the construction works.</p>	<p>The Council has copy of the Plan. Follow requirements for noise management, e.g. excavation works not to start before 8:00am.</p> <p>Strategies e.g. Acoustic logic did measurements/ monitoring to get info for preparation of the Plan.</p> <p>Consultation was not required specifically for the Plan at this stage. Any disruptions managed during the DW process, E.g. DW No. 144 dated 12/6/2020 for noisy works due to removal of trees to be conducted next week.</p> <p>The Plan includes recommendations for complaints management.</p> <p>There are 6 points for noise monitoring outlined in the Plan. The monitoring will be undertaken at the points as they become relevant through different milestones.</p> <p>No recent updates to the Plan.</p>	
3.14	B26, B27	<p>Construction Waste Management Plan to be submitted for approval of the Certifying Authority, to be implemented for the duration of the project and to be revised from time to time. Plan to address the following:</p> <p>i) recycling of demolition materials including concrete; and</p> <p>ii) removal of hazardous materials and disposal at an approved waste disposal facility in accordance with the requirements of the relevant legislation, codes, standards and guidelines, prior to the commencement of any building works.</p> <p>Details demonstrating compliance with the relevant legislative requirements, associated with the removal of hazardous waste, particularly the method of containment and control of emission of fibres to the air, are to be submitted for the approval of the Certifying Authority prior to the removal of any hazardous materials;</p> <p>The Contractor must notify the RMS Traffic Management Centre of the truck route(s) to be followed by trucks</p>	<p>CWMP in place, Rev. 01 27/June 2018 – Submitted to the Certifier via Aconex communication WTPC-GCOR-000647 of 29/6/18. Sighted Crown Cert. of 12/7/18 referencing the Plan.</p> <p>Plan was updated 30/10/19 (Rev.2) to change the template to reflect new branding and new Appendix 1.</p> <p>Use grasshopper as removal subcontractor.</p> <p>Purpose, Goal is to reuse / recycle 80% of waste.</p> <p>Has +/- 8 different waste streams: concrete, steel/ metal, timber, plastic/ paper/ cardboard.</p> <p>Has identification and management of hazardous materials. Also, has tracking of vehicles transporting hazardous materials (take number plates) and they send dockets.</p> <p>Grasshopper would collect, and segregate waste offsite as required.</p> <p>Copy of the Plan submitted – as part of the Crown Certificate.</p> <p>No recent updates to the Plan, Rev. 2 is current.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>transporting waste material from the Subject Site, prior to the commencement of the removal of any waste material from the Subject Site; and</p> <p>The Contractor must submit a copy of the plan to the Department and the Council prior to commencement of work.</p> <p>B27 – The CWMP must be implemented by the contractor for the duration of the construction works</p>		
3.15	B28, B29	<p>Construction Traffic and Pedestrian Management Plan to be submitted for approval of the Certifying Authority, to be implemented for the duration of the project and to be revised from time to time. Plan to address the following:</p> <ul style="list-style-type: none"> i) location of proposed work zones & haulage routes; iii) construction vehicle access arrangements; iv) construction hours & construction program; vi) predicted construction traffic volumes and vehicle movements, types and routes including any known road closures and consideration of alternate routes; vii) assessment of road safety at key intersections and locations subject to heavy vehicle movements and high pedestrian activity; viii) details of construction vehicle movements including parking, dedicated vehicle turning areas and ingress and egress points; ix) details of anticipated peak hour and daily truck movements to and from the site; x) details of access arrangements for workers to/from the site, emergency vehicles and service vehicle movements; xi) details of temporary cycling and pedestrian access during construction; xii) details of proposed construction vehicle access arrangements at all stages; xiii) loading and unloading; xiv) details of management measures to minimise traffic impacts, including temporary road works and/or implementation of traffic control measures; xv) pedestrian and traffic management methods; xvi) any potential impacts to general traffic, cyclists, pedestrians and bus services within the vicinity of the site from construction vehicles during the works; 	<p>CTPMP – Part of the Safety Management Plan (Appendix F) Rev. 1 March 2018. There are new TMPs submitted to APP on 4/12/19 to include a new entrance for Milestone 3 (demolition area). Plan was sent to Hornsby Council 12/12/19 approved by APP/HI on the 19/12/19. Plan was communicated to any other relevant parties. Plans are implemented. 3 main types of plans:</p> <ol style="list-style-type: none"> 1. CTMP – overarching prepared by RMS <ul style="list-style-type: none"> - Approved routes - Not affected by peak hour traffic 2. TCPs – e.g. for general site entry and egress; for crane erection, delivery of equipment. Sighted TCP 084/01 dated 6/3/2020 for Milestone 3, vehicle access via Palmerston Road. 3. VMP (Vehicle Movement Plans) – e.g. delivery of tower crane equipment. Sighted VMP dated 06/12/19 for Milestone 3. <p>New Evidence:</p> <p>Sighted Traffic Control Plans for current layout – 28/08/21 for Gate 1 and Gate 2 on Palmerston Rd.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>xvii) consideration of the cumulative construction traffic impacts of surrounding projects under construction, including those within the Hornsby Ku-ring-gai Hospital precinct. Existing CTPMPs for developments within or around the Site should be referenced in the CTPMP to ensure that the coordination of work activities is managed to minimise impacts on the surrounding road network; and</p> <p>xviii) traffic and transport impacts during construction and how these impacts will be mitigated for any associated traffic, pedestrian, cyclists, parking and public transport, which must include vehicle routes, number of trucks, hours of operation, access arrangements and traffic control measures for all demolition/ construction activities.</p> <p>The Contractor must submit a copy of the CTPMP to the Department and to the Council, prior to the commencement of works.</p> <p>B29 – The CTPMP must be implemented by the contractor for the duration of the construction works</p>		
3.16	A15, A16	<p>If necessary the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Secretary (e.g. after submission of a compliance report, or incident report, changes in the SSD conditions, or issue of a direction from the Secretary)</p> <p>Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.</p>	<p>The Project Environmental Management Plan (PEMP) was reviewed during December 2019 (Rev.6) and a copy was sent to the DPIE on the 7 April 2020 (about 15 weeks after the review). An opportunity for improvement was raised noting that every time the PEMP is reviewed a copy is to be submitted to the DPIE within six weeks of the review. Watpac agreed that this to be done for future revisions of the project related Plans.</p> <p>No additional updates carried out since the previous audit</p>	Compliant
3.17	B2 C1	<p>Certified Plans are to be submitted to the Certifying Authority and the Department prior to commencement of each stage. A copy of the approved and certified plans, specifications and documents incorporating conditions of approval and certification must be kept onsite at all times and must be readily available.</p>	<p>Certified Plans (as per Mod 2 and Mod 3) were submitted to CA as part of the CC4 (25/9/2019) sighted drawings listed in the CC4. Plans were sent to Department as part of Mod 3 and were approved on the 6/4/2020.</p> <p>Plans are available in site office and in Server (G: Drive).</p> <ul style="list-style-type: none"> - 2 REFs - SSD - Certifications (e.g. Crown Cert) – G: Drive - Plans in Aconex. <p>Certified Plans for Mod 5 submitted to the Certifier via Aconex on 22/04/21 APP-C-VDRCT-000221.</p> <p>No additional info.</p>	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
3.18	Control of records (7.5)			
3.19	7.5.3	The Contractor has established and maintained necessary records to demonstrate conformity to the requirements of its EMS and the Standard, and the results achieved.	<p>PEMP Sec. 4.12.</p> <ul style="list-style-type: none"> - Some are part of safety e.g. Inductions, Toolbox Talks (hard copies, kept in folder in Safety Advisor bookshelf) - Inspections, other environmental records – have a folder in shared drive e.g. complaints, waste diversion reports, meeting inspections - Reports – Aconex e.g. EIS, contamination, others within SSD, Drawings <p>Specific records sighted as per further sections of this checklist.</p>	Compliant
3.20	7.5.3	Procedures have been established for the identification, storage, protection, retrieval, retention and disposal of records.	Part of the Head Office Management System procedures – Document Control procedure. There is a document controller.	Compliant
4.0	Operation			
4.1	Operational controls (8.1)			
4.2	8.1	The Contractor has identified, and planned controls associated with the significant environmental aspects to ensure that operations are carried out under conditions that minimise harm to the environment.	<p>All Aspects identified in the PEMP have Management Strategy and specific actions e.g.</p> <ul style="list-style-type: none"> - Noise monitoring in specific sensitive points - Socks around drains and covered pits - Silt fences - Waste bins in various locations - Signage, etc. 	Compliant
4.3	Conditions of Development Consent – Before Commencement of Works			
4.4	A6	No consent is granted for the demolition of the 'Palmerston' building.	Not part of SoW. This was a provision under the submission, not approved at this point.	Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.5	A17	<p>All plant and equipment used on site, or to monitor the performance of the development must be:</p> <p>(a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.</p>	<p>Plant and equipment are managed through 3D Safety app. No vibration monitors are currently installed. Sighted air monitor outside the site office. A hygienist comes daily to inspect the monitor. 3D Safety App shows plant maintenance records, e.g. Sighted logbook for Bobcat E20 2 Ton excavator – check carried out 8/12/2021 – No. 16950.</p>	Compliant
4.6	A19, EPA Reg. Cl 98A, C23	<p>Prescribed conditions – Signage:</p> <p>2) A sign must be erected in a prominent position on any site on which building work, subdivision work or demolition work is being carried out:</p> <p>(a) showing the name, address and telephone number of the principal certifying authority for the work; (b) showing the name of the principal contractor (if any) for any building work and a telephone number on which that person may be contacted outside working hours; (c) stating that unauthorised entry to the work site is prohibited.</p> <p>Site Notice – to include certifying authority, structural engineer, the approved hours of work.</p>	<p>Signage sighted during site walk complies with this condition. Authorised hours of work are posted in a different site sign. Sighted during site inspection.</p>	Compliant
4.7	B3, B4	<p>Reflectivity, Outdoor lighting</p> <p>The building materials used on the facades of the structure and the all outdoor lighting must comply with requirements of B3 and B4.</p>	<p>Certifier has provided all the architectural drawings including exterior finishing schedule. Sighted: - Certificate of Design for reflectivity of 7/09/18 by Bonacci Group. - Electrical Design Cert. Wood & Grieve Eng. 15/8/18 Crown Certificate 11/10/2018 items 11, 12, 6, 17</p>	Compliant
4.8	B5-B8	<p>Hazards – design of oxygen supply</p> <p>The Contractor has ensured that:</p>	<p>HealthShare has coordinated the replacement of the oxygen tank. Logistics were coordinated with Watpac, as access had to be given through the worksite. The protection shed was lowered after the tank was replaced.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>B5 The design and operation of the hospital's oxygen supply system (including the use of the liquid oxygen bulk storage tanks, any oxygen cylinders connected to the oxygen supply system and any temporary oxygen supply tanks) be in accordance with AS 1894 'The storage and handling of non-flammable cryogenic and refrigerated liquids' (AS 1894).</p> <p>B6 All control measures or safeguards described in the Preliminary Hazard Analysis (PHA, 9 February 2018) will be implemented.</p> <p>B7 As necessary and in accordance with AS 1894, the hospital's Emergency Plan and emergency procedures have been updated to include emergency situations involving the hospital's oxygen supply system, as described in the PHA (9 February 2018).</p> <p>B8 If temporary oxygen supply tanks are to be installed prior to demolition of existing liquid oxygen bulk storage tanks for the purpose of hospital oxygen supply prior to commissioning of new tanks, the design and operation of these temporary tanks must be verified with AS 1894 and/or other relevant Australian Standards.</p>	<p>There is signage indicating a minimum exclusion zone for hot works and clear access to the tanks at all times (in case access is required).</p> <p>Communications are in place when refilling.</p> <p>The Hospital presented their current emergency procedures, which refer to the old oxygen tank. The Project Manager has asked for them to be updated to reflect any changes with the new tank, e.g. provider is now Coregas.</p> <p>The emergency response procedure from LHD has been updated in section 6.2 'Medical Gases Supply – Engineering Response' to include the liquid oxygen and nitrous oxide. Procedure was approved 17/6/2018.</p> <p>No new evidence to review.</p>	
4.9	B10	<p>The Contractor has submitted Plans demonstrating compliance with the following requirements for bicycle parking, to the satisfaction of the Certifying Authority:</p> <p>a) provision of a minimum of 18 bicycle parking spaces;</p> <p>b) layout, design and security to comply with all applicable minimum requirements of AS 2890.3:2015 Parking facilities - Bicycle parking, and be located in secure, convenient and accessible areas close to the main entries, incorporating adequate lighting and opportunities for passive surveillance; and</p> <p>c) provision of end-of-trip facilities for staff including showers, change room and lockers.</p>	<p>The initial design and architectural drawings have been submitted for certification. Part of Crown Certificate No.3.</p> <p>Sighted bicycle parking Installation Certificate by STH confirming compliance with conditions, dated 23/09/2020. Drawings sighted – Level 0. ARC-DNG-61-002, Elevation is ARC-DNG-61-004.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.10	B12	<p>Pre-Construction dilapidation reports</p> <p>Qualified structural engineer to prepare a Pre-Construction Dilapidation Report. Report submitted to the satisfaction of the Certifying Authority & copy to Council.</p>	<p>Email was sent on 19/09/2018 to Planning and Council with dilapidation reports.</p> <ul style="list-style-type: none"> - Presented 4 reports: <ul style="list-style-type: none"> - Derby – Watpac - Star and Hope – Structural Engineer (Cardno) - Cottage 93 – Watpac - Little Learning School – Structural Eng. 04/09/18 <p>Photographic report / condition of building</p> <p>A new dilapidation report by Cardno for the new access road (council access) was done 24/01/2020. This was not sent to Council or the Certifier, was from an internal perspective, to cover any potential issues.</p> <p>New Evidence: Aconex Correspondence Watpac to APP and HI 25/05/2021 includes a post-construction dilapidation report for Derby Rd.</p> <p>Has carried out post-dilapidation report for areas completed, e.g. for Burdette St. on 3/11/2021.</p> <p>Comparison with pre-construction report was done on 16/11/21, and on 23/11/21 there was correspondence with APP with agreement on any rectification works required.</p>	Compliant
4.11	B18	<p>Public Footpath</p> <p>The existing concrete footpath along the boundary of the site is to be reinstated where impacted by the proposed works to relevant Council specifications and standards</p>	<p>Not Triggered. Footpath not affected at the moment under this SSD. There has been an agreement with Council that they will reinstate the footpath after all the construction is completed (late 2021).</p> <p>Sighted email to Hornsby Council 29/11/19 from Nick Limbrey with summary of agreement – Note.</p> <p>New Evidence: An additional post-dilapidation report will be prepared for Palmerston Road and other areas surrounding the current worksite.</p>	Not Triggered
4.12	B19	<p>Stormwater and Drainage Works</p> <p>Designed in accordance with Council's relevant specifications and standards and other specific requirements. Water treatment system designed as per Council requirements</p>	<p>Crown Certificate – Hydraulic outside fence – covered by another works conditions (REF determination – approval 004/2018 – 04/04/2018) – Not relevant to this SSD.</p> <p>For internal stormwater drainage, the design would be approved as part of Crown Certs 1, 2.</p>	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.13	B20	<p>On-site Stormwater detention and Water Quality</p> <p>An on-site stormwater detention system must be designed by a chartered civil engineer and constructed in accordance with the following requirements:</p> <ul style="list-style-type: none"> a) the developing area of the site shall ensure its 5-year average recurrence interval (ARI) runoff reduced to the pre-development site cover rate. The volume of the onsite detention system shall ensure its capable of detaining the 20-year ARI post-development site cover storm; b) the water quality treatment system shall be designed and constructed to provide water quality outcomes as per Council's HDCP2013 Section 1 C.1.2.i requirements; c) have a surcharge/inspection grate located directly above the outlet; d) discharge from the detention system must be controlled via 1 metre length of pipe, not less than 50 millimetres diameter or via a stainless plate with sharply drilled orifice bolted over the face of the outlet discharging into a larger diameter pipe capable of carrying the design flow to an approved Council system; e) where above ground and the average depth is greater than 0.3 metres, a 'pool type' safety fence and warning signs must be installed; and f) not be constructed in a location that would impact upon the visual or recreational amenity of residents. 	<p>Sighted Crown certificate CC CRO-21034 No.7 of 22/06/2021, item 5 refers to the Stormwater certificate.</p> <p>TTW Certificate of Design for Stormwater Design, dated 10/06/2021, including drawings and reference to compliance with Conditions B19 and B20.</p> <p>OSD Tank has been installed, including filters – sighted during site walk. Certification of the Tank on Palmerston Rd.</p> <p>Sighted certification by Panthers Concrete Tanks, dated 16/07/2021 for tank on Burdette St.</p>	Compliant
4.14	B21	<p>Road Works</p> <p>Kerb and gutter, stormwater drainage, full road width pavement including traffic facilities (vehicle crossings, if applicable) and paved footpaths must be constructed along the area where road works are to be undertaken. In relation to public roads or classified road (as defined under the Roads Act 1993), all roads and traffic facilities must be designed to meet the requirements of Council and RMS (if applicable) and obtain any necessary permits and approvals from the relevant road authority, prior to the commencement of road or pavement construction works.</p>	<p>There were some works on the Derby Road (from Dec 2019 to Feb 2020) to connect stormwater to the sewer. Council reinstated some footpaths and will upgrade the road in August 2020. Sighted site inspection 17/03/2020 with Watpac and Council.</p> <p>Road reinstatement as part of the REF determination, as per checklist item 4.12.</p> <p>Sighted Road opening permit for Burdette St. Invoice ROPD/39/2021///ROP of 10/03/2021, Receipt 6980799, offline Ref. LC-68382.</p> <p>New evidence:</p> <p>No road works currently taking place</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.15	B32, B33	<p>Utility Services</p> <p>Prior to the commencement of construction work the Contractor is to negotiate (as necessary) with the utility authorities (e.g. Ausgrid and Telcos) in connection with the relocation and/or adjustment of the services affected by the construction of the building structure.</p> <p>Prior to the commencement of above-ground works written advice must be obtained from the electricity supply authority, an approved telco carrier and an approved gas carrier (as relevant) stating that satisfactory arrangements have been made to ensure provision of adequate services</p>	<p>Has communicated with Telcos, Ausgrid about low power lines.</p> <p>A new substation is being built. Ausgrid has come to check works progress. Sighted Chamber Substation – Civil Building Handover Certificate 21/02/2020.</p> <p>Correspondence with Ausgrid indicates that substation will be energised on the 13/07/2020 – sighted network access request No. 58506-T1 from Ausgrid.</p> <p>Sydney Water has been contacted, sighted copy of the notice of requirements 24/03/2020 – still in progress.</p> <p>Gas is with the existing Hospital.</p> <p>The substation was built and handed over, so now it is an Ausgrid asset. Sighted Deed of agreement for lease sent by Ausgrid on 17/7/20.</p>	Compliant
4.16	B34	<p>External Walls and Cladding</p> <p>The external walls of all buildings, including additions to existing buildings, must comply with the relevant requirements of the NCC</p>	<p>Final Design has been submitted. Sighted various Certificates for Alcadex, Deco, Finesse, Terracade, etc.</p> <p>Will use composite, non-combustible panels, glass, aluminium.</p> <p>Covered in previous Crown Certificates.</p> <p>New Evidence:</p> <p>Sighted Façade Installation Certificate from Foxville 29/03/2021 for Milestone 3.</p> <p>For the rest of the main buildings have Certificate from 13/01/2021.</p>	Compliant
4.17	B42 B45	<p>Tree Protection</p> <p>The tree protection measures outlined in the <i>Arboricultural Development Assessment Report</i>, prepared by Moore Trees, dated October 2017, are to be implemented and maintained.</p> <p>Certification from the arborist required.</p>	<p>Have a report from Moore Trees – provided a Tree Protection Plan</p> <p>There are trees to be removed as part of Milestone 3 (sighted during site visit), approved by Council. Retained trees are not near the construction site (map sighted from the Arborist Report Oct. 2017).</p> <p>Sighted Aconex correspondence of 13/9/18 from Watpac to BM+G with submission of package for Crown Certificate 2, which included Arborist certification. Also sighted CC2 Item 16.</p> <p>Arboricultural Development Assessment Report from Oct 2017 updated 18 June 2018.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.18	B43	A project arborist with AQF Level 5 qualifications must be appointed to provide monitoring and certification throughout the construction period.	Moore Trees is the qualified project arborist	Compliant
4.19	B44, C32	Tree protection fencing for the trees to be retained must be erected around trees to be retained at a minimum distance based on the trees structural root zone C32. Building materials and Site Waste The filling or stockpiling of building materials, the parking of vehicles or plant, the disposal of cement slurry, wastewater or other contaminants must be located outside the tree protection zones as prescribed in the conditions of this consent.	Trees with protection located on Palmerston Road.	Compliant
4.20	B46	Ecologically sustainable development – details of design measures to be submitted, equivalent to Green Star Health Care 4-star rating	Steensen Varming (consultant) Energy Analysis Report dated 21/02/2018 has options regarding façade, ventilation, mechanical (design stage). Presented Design Certificate – BCA 2016 Section J from RENYi Australian Engineering Consultants certifying that the project is design with relevant Ecological Sustainable Design (ESD) standards including: Energy efficiency; external glazing and shading; artificial lighting; facility to monitor energy use, etc. Reference is made to RENYi BCA JV3 Verification Assessment Report Rev. A dated 12/7/2018. RENYi Compliance Statement for Separable Portion Handover – Milestone 3 – building performance per the star rating criteria. RENYi Compliance Statement for Separable Portion Handover – PECC and Emergency Department. Signed off by A. Ang ESD Consultant, dated 01/11/2021.	Compliant
4.21	Conditions of Development Consent – During Construction			
4.22	C2, C3	Construction Hours Compliance with requirements for construction hours. Notification of any activities outside of these hours must be	7am – 6pm weekdays – usually end at 4pm 8am – 1pm Saturday	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		given to affected residents before undertaking the activities or as soon as is practical afterwards. Compliance with hours for noisy works (rock breaking, hammering, etc.)	No work on Sundays or Public Holidays. No extended hours are required for now. Has maintained the same working hours.	
4.23	B14	Construction Noise Management Contractor must incorporate all relevant noise mitigation recommendations in the letter <i>Hornsby Ku-ring-gai Hospital Stage 2 Redevelopment - Response to Planning NSW Queries</i> prepared by Acoustic Logic, dated 26 April 2018, in the detailed design drawings and submit for the approval of the Certifying Authority.	Not very noisy works currently taking place onsite. Continue to carry out inspections, where noise levels are monitored. Monitoring is being carried out more ad-hoc at this stage of the project. Conducted noise monitoring in morning of 8/12/21 with a reading of 65DbA. Monitoring was carried out for noise and vibration during demolition of Lumby building in October-November 21 (part of a different application – Note).	Compliant
4.24	C4	All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the CNVMP required under condition B25.	Controls continue to be maintained as per Acoustic Logic Report: - Vehicles and machinery on site had flashing lights, some with squawkers (avoid use of reverse beep where possible). - Use of plywood panels, as necessary Noise monitoring readings continue in place. Checked during weekly environmental inspections at the nominated monitoring points. Noise monitoring now carried out ad-hoc.	Compliant
4.25	C5	If the noise from a construction activity is substantially tonal or impulsive in nature (as described in Chapter 4 of the Noise Policy for Industry, 5 dB(A) must be added to the measured construction noise level when comparing the measured noise with the construction noise management levels.	This is generally in accordance with the Noise and Vibration Plan from Acoustic Logic. This is associated with checklist item 4.31.	Compliant
4.26	C6	The Contractor must ensure construction vehicles do not arrive at the Subject Site or surrounding residential precincts outside of the construction hours of work outlined under condition C2.	There is a specific area for construction vehicles to park to bring materials or load with waste. Vehicles only scheduled during working hours. There have been no vehicles coming in out of hours; no complaints.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.27	C7	The Contractor must schedule intra-day 'respite periods' for construction activities identified in the Interim Construction Noise Guideline	Some exceedances are expected – In these cases has communication with the hospital and/or other receivers. Respites taken during staff breaks (two breaks in the day, morning tea and lunch), but would consider others per communications with the Hospital. Currently no noise/ respite periods required – no noisy works. New evidence: No noisy works during this period.	Compliant
4.28	C8	Wherever practical, and where sensitive receivers may be affected, piling activities are completed using bored piles	Done in earlier parts of the project. All piling activities are completed.	Compliant
4.29	C9	The Contractor must implement, where practicable and without compromising the safety of construction staff or members of the public, the use of audible movement alarms of a type that would minimise noise impacts on surrounding noise sensitive receivers.	Minimise use of reversing in vehicles – vehicles had squawkers. Have a regime for maintenance of equipment – records kept in hard copy in safety folder at the site office, e.g. sighted equipment maintenance records per checklist item 4.5.	Compliant
4.30	C10	Any noise generated during construction of the development must not be offensive noise within the meaning of the Protection of the Environment Operations Act 1997 or exceed approved noise limits for the Subject Site	Monitoring carried out ad-hoc. Reading for inspection on 8/12/2021 was 65.2.	Compliant
4.31	C11	Vibration Criteria Vibration caused by construction works to meet the established limitations.	Criteria to work to: 1mm/s. NA for this audit.	Compliant
4.32	C14	Waste All waste generated during construction must be assessed, classified and managed in accordance with the Waste Classification Guidelines Part 1: Classifying Waste (EPA, 2014)	Waste managed by Grasshopper, they remove waste from site and do the classification offsite. The contractor sends monthly reports with results of recycling – e.g. sighted Waste Diversion Report for Hornsby Hospital for April 2021 88% recovered. Also keep record of project-to-date figures. New evidence: Project to date recycling is 93.1%, for November 2021 Report.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.33	B17	<p>Storage and Handling of Waste (end product)</p> <p>An appropriate area will be provided within the premises for the storage of garbage bins, recycling containers and all waste and recyclable material generated by the site.</p>	<p>Loading dock is the area being used for the waste storage and Grasshopper pick up the bins every 2 days.</p> <p>Waste gets segregated offsite, sighted inspection report 21/5/19 showing the process for segregation at Eastern Creek.</p> <p>Truck routes with EPL number sighted from Bingo, Auburn EPL No. 10935 and KLF Recycling, Asquith EPL No. 20582.</p> <p>Tipping and Greenstar report 17/08/2018.</p> <p>Acceptance letter for Genesis Landfill & recycle centre 9/3/2018.</p> <p>There will be waste storage facilities as per the "Modification of Development Consent" dated 8th May 2019, where separate storage and collection of organics/food waste is no longer required, this is part of the Green Star Building.</p> <p>Sighted letter from Hornsby Hospital dated 30/09/2020 regarding this condition, noting that the existing facility (Loading Dock L1 of Star Building) meets the requirements of this condition. Certifier accepted this letter to close out the condition.</p>	Compliant
4.34	C15	<p>The body of any vehicle or trailer used to transport waste or excavation spoil must be covered before leaving the premises to prevent any spillage or escape of any dust, waste of spoil. Mud, splatter, dust and other material likely to fall from or be cast off the wheels, underside or body of any vehicle, trailer or motorised plant leaving the site must be removed before leaving the premises.</p>	<p>Trucks loads are covered coming out of a mast. Grass Hopper covers material, except steel bins. Drivers are liable if the trucks don't get covered.</p> <p>Truck routes with EPL number sighted from Bingo, Auburn EPL No. 10935 and KLF Recycling, Asquith EPL No. 20582.</p> <p>Street Sweeper deployed as required. The street was clean, as observed during the site inspection; no complaints regarding mud on the road.</p>	Compliant
4.35	C16	<p>The Contractor must ensure that concrete waste and rinse water are not disposed of on the Subject Site and are prevented from entering any natural or artificial watercourse.</p>	<p>Subcontractor cutting bricks/tiles noted that they use a bucket to capture slurry. At the end of each day, any discharge is suitably disposed of as with other masonry materials – email from the subcontractor confirming this was sighted.</p>	Compliant
4.36	C34	<p>Excavated Material</p> <p>All excavated material removed from the site must be classified by a suitably qualified person in accordance with the Department of Environment, Climate Change and Water NSW Waste Classification Guidelines prior to disposal to an approved waste management facility.</p>	<p>There was no excavated material as part of the current works onsite. Asbestos material as a result of demo was removed.</p> <p>Sighted asbestos assessment completed by Douglas Partners 28/9/19 and Asbestos Removal Control Plan dated 25/11/19 (Issue 1) by ASP Australia.</p>	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
			<p>Engaged Douglas Partners to prepare a report for all excavated material – Area 1.</p> <p>Senversa – Auditors, they audited the Douglas Partners report and prepared a subsequent report, which was submitted to the Certifier on 9/10 /20 (this covers Condition D12, to be reviewed in future audits).</p> <p>No classified waste removed from the most recent works in Area 3 & 4 (adjacent to tunnel). A report by Douglas Partners will be provided at the end.</p> <p>Sighted report for Area 6 (Milestone 4 refurbishment area) – 23/04/21 Douglas Partners samples report. Senversa Auditors Report dated 28/04/21 notes that there are no significant contaminants in the samples taken.</p> <p>New evidence:</p> <p>Sighted report by EHO Consulting for Area 5 (Burdette St) dated 9/08/2021 – classified material as VENM.</p> <p>Sighted Area 5 Validation Site Audit Statement for Area 5 (EPA Auditor) 26/11/21.</p>	
4.37	C36	<p>Trade Waste</p> <p>Liquid trade waste generated on the site must be discharged in accordance with a trade waste agreement with Sydney Water and by a licensed liquid trade waste contractor.</p>	<p>Sighted Water Meter Report Card for control of water quality, last one done on the 17/3/2020. Water turbidity and pH were within limits. Ok to be pumped out to stormwater after verification of measurements.</p> <p>Has not carried out any water discharges recently. Sighted the Water Meter Report Card template, which was updated to include Location as per OFI from previous audit.</p> <p>Nothing since 2020.</p>	Compliant
4.38	C21	<p>All construction vehicles associated with the proposed development are to be contained on site, unless otherwise approved through the approval for a construction zone on the Council roadway</p>	<p>Approval letter from Hornsby Shire Council for the 'Work Zone' 5/6/18 – applied on 29/05/18. Ref No. F2004/09773.</p> <p>Vehicles load and unload within the site, the works zone is more for vehicles waiting, as necessary.</p> <p>There is no parking of vehicles outside the worksite.</p>	Compliant
4.39	C22	<p>Demolition</p>	<p>Demolition works (structural) started as part Milestone 3 in April 2020, demolition of building 2.</p>	Not Triggered

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>To protect the surrounding environment, all demolition work must be carried out in accordance with "Australian Standard 2601-2001 - The Demolition of Structures" and the following requirements:</p> <ul style="list-style-type: none"> - Demolition material must be disposed of to an authorised recycling and/or waste disposal site and/or in accordance with an approved waste management plan - Any asbestos to be removed by a licenced contractor - Meet signage requirements 	<p>Waste analysis and classification report by Geotesta by Delta Group 3/3/2020 No. NE596.3. Asbestos clearance inspection by EHO Consulting completed on the 6/3/2020.</p> <p>Certificate of analysis done by Douglas Partners 25/3/2020.</p> <p>Has sent notification to SafeWork NSW "Notice of intention to remove asbestos" – for 1, 2, 13 & 43, dated 12/11/20.</p> <p>New Evidence:</p> <p>Sighted Certificate EHO Consulting dated 27/05/21 for Building 1 and 2 – led paint removal, all results are within the limits.</p> <p>Sighted Clearance Inspection Certificate EHO Consulting dated 17/05/21 for Building 1 and 2 – removal of asbestos.</p> <p>Sighted Greenstar Report N8339 for 1/09/2020 to 31/05/2021 by Delta Group – notes average loads taken per day & total tonnage.</p> <p>Delta would use licenced contractors for removal of waste.</p> <p>Has EPA Licence No. 4608 – Anniversary date 1-April for waste disposal.</p> <p>25/05/21 received final clearance for removal of asbestos and led EHO Group (Eaves). 15/05/21 for removal of asbestos on soil.</p>	
4.40	B11, C19	<p>Erosion and Sediment Control</p> <p>Soil erosion and sediment control measures must be designed in accordance with Blue Book & approved by certifying authority.</p> <p>Control measures to be effectively implemented and maintained for the duration of the works.</p>	<p>B11. TTW – civil consultants – provided a Sediment Control Plan – mostly from Blue Book – CIV-DNG-00-902 Rev. A 28/06/2018 issued for construction. Erosion and Sediment Control Plan has been reviewed 21/08/2019 and sighted the new revision issued 24/06/2020. Has periodic inspections with TTW.</p> <p>C19. ErSed Controls were observed during site visit, e.g. geofabric in drains close to works area. Site is self-contained. Watpac noted that footpath works were completed the day before in the site boundary on Palmerston Road and controls had been removed. After the site walk sediment controls were reinstated – coir logs installed under the boundary fence. Post-audit photo evidence was presented. It was recommended to ensure erosion and sediment controls are reinstated when these are affected by changes to the site layout – OFI-01</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.41	C20	<p>Disposal of Seepage and Stormwater</p> <p>Not to be pumped to the street stormwater system unless approved</p>	<p>Wastewater would be tested before discharge.</p> <p>No disposal of seepage or stormwater has been required in the last six months.</p>	Compliant
4.42	C12, C13	<p>Contamination</p> <p>Remediation works at the site are to be undertaken in accordance with the recommendations and findings of the Remediation Action Plan prepared by Douglas Partners and dated May 2018.</p> <p>C13 Should any new information come to light during construction works which has the potential to alter previous conclusions about contamination, the Certifying Authority must be immediately notified, and works must cease in the vicinity of the suspected contamination. The Certifying Authority will determine whether further investigation, or the need for remediation, is required before construction works can recommence</p>	<p>Demolition of Building 2 (structural) started in April 2020. Remediation works records sighted as part of the asbestos records.</p> <p>Sighted Remediation Action Plan 18 May 2020 (Rev.2 - amended) from Douglas Partners, to include Building 2 for the sub-floor.</p> <p>For the Emergency Extension site some inground services works were conducted and took samples to review for asbestos, but all came back negative. – Sighted Envirolab Certificate of Analysis 256415 of 23/11/20 validation sampling 73224.19.</p> <p>Evidence sighted for remediation works (See item 4.39, C22).</p> <p>Sighted EHO Group Clearance Inspection for unexpected find – dated 4/05/2021 Building 13 Report No. RN 07297.</p> <p>New evidence:</p> <p>Clearance certificates - Same as Checklist item 4.39</p> <p>Had an unexpected find on 16/07/2021, rectified on 17/08/2021 – sighted Certificate of Analysis by Envirolab for Douglas Partners.</p> <p>Had another small unexpected find on 23/11/2021, analysis on 23/11/21 and Clearance certificate by EHO Group received on 24/11/21.</p>	Compliant
4.43	C17	<p>Handling of Asbestos</p> <p>The Applicant is to consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during construction</p>	<p>Has sent notification to SafeWork NSW “Notice of intention to remove asbestos” – for 1, 2, 13 & 43, dated 12/11/20 before removal works commenced.</p> <p>Notice of intent to commence demolition works, 24/05/2021 to SafeWork NSW for Demolition of cottages and other structures. Licence details:</p> <ul style="list-style-type: none"> - Licence 210968 - Licence holder ASP Pty Ltd - Class A/ASA/ Class B/ASB - Proposed start date 17/11/2020 	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
			- Proposed finish date 31/08/2021 New evidence: Clearance certificates – refer to Checklist item 4.39	
4.44	C18	Unexpected Finds - Non-Aboriginal Heritage Procedure in place, cease works, contact OEH, assess, take action.	Not Triggered. No cultural / non-Aboriginal Heritage finds. Mentioned statues of lions, which have been saved and have been relocated.	Not Triggered
4.45	C25, C26	Hoarding/Fencing Requirements A temporary hoarding, fence or awning must be erected between the work site and adjoining lands before the works begin and must be kept in place until after the completion of the works; Other requirements: no advertising material, no graffiti. Permit for hoardings over council footways or road reserve.	Have a mixture of solid hoardings and fencing in the perimeter of the site. Condition monitored daily. No issues identified during the site walk. Fencing around the different areas the contractor has control of. Mesh with HI NSW logo.	Compliant
4.46	C33	Council Property – no building materials, waste, machinery or related matter is to be stored on the road or footpath	Site is well enclosed; no materials present on footpath as observed during site walk.	Compliant
4.47	C35	Storage of Flammable and Combustible Goods in banded area	Sighted Hazardous Chemicals register S08-04-10.01 with oxygen compressed from Sparten Steel expiry date 27/06/2022. Other flammable liquids were banded and diesel containers in place. Spill kits available on site. Note: Watpac to ensure that spill kits are accessible at all times with no obstructions around them. Noted that cages that belonged to subcontractor Delta were being removed on the day of the audit.	Compliant
4.48	C37	Traffic Control Compliance The development must be carried out in accordance with the Construction Traffic Management Plan prepared under this consent.	Permanent traffic controllers were sighted at the site entry as per TMP. Changed Traffic Management contractor, now working with Commercial TC.	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.49		Emergency preparedness and response (8.2)		
4.50	8.2; B7	The Contractor has established procedures to: <ul style="list-style-type: none"> - identify potential emergency situations and potential accidents that can have an impact(s) on the environment - determine how it will respond to them 	Have an Emergency Response Plan Rev.12 of 25/05/2021 signed by the PM. Includes different scenarios of safety and environmental emergencies. Have flowcharts for: <ul style="list-style-type: none"> - Notifications; - Injuries; - Evacuation; - Medical emergencies; - Fire New evidence: Has updated the evacuation plans to match the layout of the site, and they are posted in relevant locations.	Compliant
4.51	8.2	The emergency response procedures include measures to prevent or mitigate associated adverse environmental impacts.	As above	Compliant
4.52	8.2	Emergency preparedness and response procedures are periodically reviewed and revised, as necessary, in particular, after the occurrence of accidents or emergency situations. Emergency preparedness and response procedures are periodically tested, where practicable	The Emergency Plan is reviewed periodically, as the site layout changes. For Rev. 6 some roles were updated, and the Hospital St. evacuation plan was included. Has Emergency Contacts List in place. Had Fire warden training conducted by Pinnacle on 22/10/20 – e.g. for A. Bolle. – Module: Operate as part of an emergency control organisation.	Compliant
5.0	Performance Evaluation (9.0)			
5.1	Monitoring and measurement (9.1)			
5.2	9.1	Documented procedures have been established to monitor and measure on a regular basis the key characteristics of operations that can have significant environmental impacts.	Conduct weekly Environmental Inspections – have a folder with inspections e.g. sighted environment Inspection checklist dated 10/02/2020; includes photos of controls in place during the inspection. The report was revamped and reduced to 1 page. Sighted HI Construction Works Site Checklist form for 13/05/21 – 5 issues raised (as seen in the Construction Works Site Action List – Identified Issues). New evidence: Ad-hoc monitoring. Inspections carried out after rain events or if the works onsite require them. Sighted latest inspection of 8/12/2021.	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
5.3	9.1.1	The procedures include: <ul style="list-style-type: none"> - the documenting of information to monitor performance - effectiveness of applicable operational controls - conformity with the organization's environmental objectives and targets 	<p>Monitoring is documented in the PEMP.</p> <p>Effectiveness to be assessed when preparing Performance Report for Planning. Conformity with environmental objectives and targets assessed.</p> <p>Monthly reports are prepared by Watpac and submitted for PCG, e.g. sighted "Contractors Monthly Report" for November 2021. Section 9 has summary of environmental results.</p>	Compliant
5.4	9.1.1	Monitoring and measuring equipment is calibrated, maintained and stored as necessary. Records or calibration are maintained	<p>Noise monitor self-calibrates – gets a new device each year.</p> <p>No vibration monitors required for this period.</p> <p>Sighted air monitors during site walk. These are controlled by EHO Consulting – e.g. sighted report for 22/05/21 – no exceedances.</p> <p>Sighted calibration records, e.g.</p> <ul style="list-style-type: none"> - EHO Consulting for Pump No. 84017, dated 24/02/21, signed by L. Gibney. - EHO Consulting for Pump No. 87436, dated 09/03/21, signed by M. Chan. <p>Monitoring done during removal of unexpected finds – monitors from the NATA accredited contractor (EHO).</p>	Compliant
5.5	A11	Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, noncompliance notification and independent environmental auditing.	<p>Environmental monitoring, e.g. Independent Environmental Audits (by AQUAS) – as per SSD Conditions B39, B40; Environmental inspections.</p> <p>Last internal audit carried out by Watpac on 18/06/19 by Quality Manager, no other audits so far.</p>	Compliant
5.6	B35, B36	Compliance Reporting A Pre-Construction Compliance Report must be prepared for the development and submitted to the Certifying Authority for approval before the commencement of construction works.	Report by Blackett and McGuire Goldsmith.	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
5.7	B37, B38, C30	<p>>Construction Compliance Reports must be submitted to the Department at compliance@planning.nsw.gov.au for information every six months from the date of commencement of construction, for the duration of construction. The Construction Compliance Reports must provide details on the compliance performance of the development for the preceding six months and must be submitted within one month following the end of each six-month period for the duration of construction of the development, or such other timeframe as required by the Secretary.</p> <p>>The Construction Compliance Reports must include:</p> <ol style="list-style-type: none"> i. a results summary and analysis of environmental monitoring; ii. the number of any complaints received, including a summary of main areas of complaint, action taken, response given and proposed strategies for reducing the recurrence of such complaints; iii. details of any review of the CEMP and the Environmental Management Strategy and associated sub-plans as a result of construction carried out during the reporting period; iv. a register of any modifications undertaken and their status; v. results of any independent environmental audits and details of any actions taken in response to the recommendations of an audit; vi. a summary of all incidents notified in accordance with this consent; and vii. any other matter relating to compliance with the terms of this consent or requested by the Secretary. 	<p>Construction Compliance Report dated 1/02/2020 for August 2019 to February 2020 period has been submitted to the DPIE on 7/4/2020, sighted email dated 7/4/2020. Report was sent just few days outside of the timeframe requirement.</p> <p>Report includes:</p> <ul style="list-style-type: none"> - Compliance status summary in section 4; - Complaints in section 8 – Appendix B; - Environmental Monitoring in section 3; - Authorities (SSD Approvals and Crown certificate) in section 2.5.1; - Non-compliances from independent environmental audits in section 5 and previous report actions in section 6; - Incidents section 7; - Appendices <p>New evidence:</p> <p>Compliance Report for March to August 2021 has been prepared with date 15/09/2021 (29/09/21 with revised version of attachments). Sent by APP to HI on the same date. The Report was submitted to DPIE on 10/12/2021, which is outside the timeframe for reporting set out by condition B37 (one month). Non-Compliance-01.</p>	Non-Compliant
5.8	B39, B40, B41	<p>Independent Environmental Audit</p> <p>> No later than a month before the commencement of construction works or as agreed with the Secretary, a program of independent environmental audits must be prepared for the development in accordance with the latest version of ASINZS ISO 19011-2014: Guidelines for Auditing Management Systems (Standards Australia, 2014) and submitted to the Secretary for information.</p> <p>The scope of each audit must be defined in the program. The program must ensure that environmental performance of the</p>	<p>Environmental Audits conducted by AQUAS in September 2018, January, June and December 2019, June and December 2020 and June 2021 as per the Audit Program submitted to the client.</p> <p>The Audit report dated 27/01/2021 was submitted by HI to DPIE with the latest Compliance Report on 01/06/2021, outside the 3-month period from the conduct of the audit, as per Consent Condition B41.</p> <p>This non-compliance was identified during the audit conducted on 01/06/2021 and reported in Audit Report of 30/06/2021.</p> <p>The non-compliance was notified per letter from HI to DPIE "RE: Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<p>development in relation to each compliance requirement that forms the audit scope is assessed at least once in each audit cycle.</p> <p>The environmental audit program prepared and submitted to the Secretary must be implemented and complied with for the duration of the development.</p> <p>> All independent environmental audits of the development must be conducted by a suitably qualified, experienced and independent team of experts and be documented in an audit report which:</p> <ol style="list-style-type: none"> assesses the environmental performance of the development, and its effects on the surrounding environment including the community; assesses whether the development is complying with the terms of this consent; reviews the adequacy of any document required under this consent; and recommends measures or actions to improve the environmental performance of the development, and improvements to any document required under this consent. <p>> Within three months of commencing an Independent Environmental Audit, or as agreed with the Secretary, a copy of the audit report must be submitted to the Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations must be implemented to the satisfaction of the Secretary</p>	<p>SSD8647 Condition B41 Independent Environmental Auditor”, dated 07/07/2021. The submission included response to the non-compliance and opportunity for improvement, and also included copy of the Independent Audit Report of 30/06/2021.</p> <p>Sighted letter from DPIE to HI Re: “Hornsby Ku-ring-gai Hospital Stage 2 (SSD-8647) Independent Environmental Audit”, dated 05/10/2021 – noting that the audit report and response to audit findings submitted generally satisfies the requirements.</p> <p>This is the last independent environmental audit, conducted on 08/12/21.</p>	
5.9	C27	<p>At least 48 hours before commencement of construction until the completion of all works under this consent, or such other time as agreed by the Secretary, the Applicant must:</p> <ol style="list-style-type: none"> make the following information and documents (as they are prepared, obtained or approved) publicly available on its website: <ol style="list-style-type: none"> the documents referred to in condition A2 of this consent; all current statutory approvals for the development; 	<p>Information has been published to Infrastructure and NSLHD webpages.</p> <p>HI website includes a copy of the Compliance report for Feb 2020; However, no monitoring results/records have been published.</p> <p>Opportunity for Improvement from previous audit is not yet closed.</p> <p>Sighted in HI website for the HKH2 project – all information was found up to date.</p>	Compliant

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<ul style="list-style-type: none"> iii. all approved strategies, plans and programs required under the conditions of this consent; iv. regular reporting on the environmental performance of the development in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent; v. a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; vi. a summary of the current stage and progress of the development; vii. contact details to enquire about the development or to make a complaint; viii. a complaints register, updated monthly; ix. audit reports prepared as part of any independent environmental audit of the development and the Applicant's response to the recommendations in any audit report; x. any other matter required by the Secretary; and <p>b) keep such information up to date, to the satisfaction of the Secretary.</p> <p><i>Note: This condition does not require any confidential information to be made available to the public.</i></p>		
5.10		Internal Audit (9.2)		
5.11	9.2	<p>The Contractor has ensured that internal audits of the EMS are conducted at planned intervals to determine:</p> <ul style="list-style-type: none"> a. whether it conforms to planned arrangements for environmental management including the requirements of the Standard b. whether it has been properly implemented and is maintained 	<p>An internal audit was carried out by Watpac H.O. on 18/06/19. No further internal audits, but maintains weekly WHSE Inspections. Will have a Quality audit Wednesday in late December 2020. There has been a quality audit 17/05/21 done by other Watpac site – "peer audit". Had an internal audit from Head Office 22/07/21. Sighted Audit checklist with findings – Section 16 is Environment.</p>	Compliant
5.12		Management Review (9.3)		

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
5.13	9.3	Top management reviews the EMS at planned intervals to ensure its continuing suitability, adequacy and effectiveness. Reviews include assessing opportunities for improvement and the need for changes to the EMS, including the environmental policy and environmental objectives and targets.	Happens at a Head Office level. Evidence not available onsite	Not Triggered
6.0	Improvement (10.0)			
6.1	Nonconformity, corrective and preventive action (10.2)			
6.2	10.2	Procedures are in place for: <ol style="list-style-type: none"> identifying and correcting nonconformities and taking actions to mitigate their environmental impacts investigating nonconformities, determining their causes and taking actions in order to avoid their recurrence evaluating the need for actions to prevent nonconformities or avoid their occurrence recording the results of corrective and preventive actions taken reviewing the effectiveness of corrective and preventive actions 	Sighted Non-Conformance Register N206-FRM-003 Rev.01 (last one printed in May 2020). Register has actions for quality, safety environmental issues e.g. item WTPC-NCR-000023 refers to sedimentation controls requiring rectification, dated 8/7/19. Action closed out. Latest non-conformance raised on 25/03/2021, not related to environment. No environmental non-conformances have been recorded.	Compliant
6.3	10.2	Any necessary changes arising from corrective and preventive actions are reflected in the EMS documentation.	None triggered by environmental NCRs. Reviews would be made as required.	Not Triggered
6.4	A12 A13 A14	The Department must be notified in writing to compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of any non-compliance. The Certifying Authority must also notify the Department within seven days after they identify any non-compliance. The notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	Non-Compliance raised at the previous Independent Environmental Audit (30/6/21, Rev.1 27/9/21) was notified to DPIE – per letter from HI dated 07/07/2021 “RE: Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment. SSD8647 Condition B41 Independent Environmental Auditor”. Sighted letter from DPIE to HI dated 05/10/2021 with reference to the Independent Environmental Audit report and response to audit recommendations, noting that this generally meets the consent requirements.	Compliant

Audit Compliance Codes: Compliant – Non-Compliant – Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
6.6		Complaints Management		
6.7	B30	<p>Complaints and enquiries procedure</p> <p>The following must be made available for community enquiries and complaints for the duration of construction:</p> <ul style="list-style-type: none"> a) a toll-free 24-hour number for complaints and enquiries about the works; b) a postal address to which written complaints and enquires may be sent; and c) an email address to which electronic complaints and enquiries may be transmitted. 	<p>Have a Complaints Register.</p> <p>24-hour number and email address available in signage at worksite entrance.</p>	Compliant
6.8	B31	<p>A Complaints Management System must be implemented, including a Complaints Register to be maintained recording information about all complaints associated with the project, e.g.</p> <ul style="list-style-type: none"> d) number of complaints received; e) number of people affected in relation to a complaint; f) nature of the complaint and means by which the complaint was addressed and whether resolution was reached, with or without mediation. 	<p>Sighted Complaints Register – Status date 21/11/20, 6 new complaints recorded since the last audit, e.g. 15/07/20 regarding noise, smoking, waste, another one on 22/07 regarding rubbish.</p> <p>Four new complaints lodged since the previous audit:</p> <ul style="list-style-type: none"> - 16/07/21 workers smoking outside day care area. Workers were identified and issue was addressed. - 12/08/21 hospital patron complained about traffic controller using bad language. Toolbox talk was carried out, person relocated. - 27/10/21 Palmerston Rd – noise from Lumby building demolition going for too long (under REF). HI responded with explanation of the situation and works were to be completed soon. - 28/11/21 Same resident complained about cable ties on footpath. Workers were reminded to maintain the area clear of obstacles. <p>All complaints closed out.</p>	Compliant
6.9		Incident Management		
6.10	A23, C28	<p>The Department must be notified in writing to compliance@planning.nsw.gov.au within 24 hours after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident.</p>	<p>Not Triggered. No notifiable environmental incidents have been reported.</p>	Not Triggered

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
6.11	A24	<p>a) A written incident notification must also be emailed to the Department at the following address: compliance@planning.nsw.gov.au within seven days after the Applicant becomes aware of an incident. Notification is required to be given under this condition even if the Applicant forms the view that an incident has not occurred.</p> <p>b) Written notification of an incident must:</p> <ul style="list-style-type: none"> i) identify the development and application number; ii) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident); iii) identify how the incident was detected; iv) identify when the Applicant became aware of the incident; v) identify any actual or potential non-compliance with conditions of consent; vi) describe what immediate steps were taken in relation to the incident; vii) identify further action(s) that will be taken in relation to the incident; and viii) identify a project contact for further communication regarding the incident. 	As above.	Not Triggered
6.12	C29	Within seven days of the detection of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested in accordance with condition A 19.	As above.	Not Triggered

APPENDIX B

- Proposed Environmental Audit Schedule

13 - June 20)

Item	Area	Scope of Audit	Auditor	Risk**	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21							
1	Environmental Management System compliance	AS/NZS ISO 14001:2016 Environmental Management System	AQUAS Auditor*	High		Planned									Actual																															
2	CEMP	As per CEMP requirements (focus on training, incidents and risk management) and Development Consent SSD 8647	AQUAS Auditor*	High		Planned			Planned	Planned																																				
3	Community Consultation, Enquiries and Complaints Management	As per the CEMP and Consent Requirements	AQUAS Auditor*	High		Planned			Planned	Planned																																				
4	Traffic Management	As per the Traffic Management Sub-Plan	AQUAS Auditor*	High		Planned			Planned	Planned																																				
5	Erosion and Sedimentation Controls; Soil and Water	As per the Erosion and Sedimentation Control Sub-plan, Soil and Water Sub-Plans	AQUAS Auditor*	High		Planned			Planned	Planned																																				
6	Noise and Vibration	As per Noise and Vibration Sub-plan	AQUAS Auditor*	Medium		Planned																																								
7	Hazardous Substances and Dangerous Goods (including Asbestos management and Graffiti Removal)	As per the HS&DG Sub-plan	AQUAS Auditor*	Medium		Planned																																								
8	Air Quality	As per Air Quality Sub-plan	AQUAS Auditor*	Medium					Planned	Planned																																				
9	Waste and Recycling	As per Waste and Recycling Sub-Plans	AQUAS Auditor*	Medium					Planned	Planned																																				
10	Emergency Evacuation and Business Continuity	As per the CEMP requirements	AQUAS Auditor*	Medium		Planned																																								
11	Vegetation and Pest Management	As per Vegetation and Pesticides Sub-plans	AQUAS Auditor*	Medium		Planned																																								
12	Heritage Finds	As per Heritage Management Sub-Plan	AQUAS Auditor*	Low					Planned	Planned																																				
13	Sustainability and Out of Hours Energy	As per Sustainability Sub-plan and Energy Management Plan	AQUAS Auditor*	Low					Planned	Planned																																				

* The specific auditor for each audit will be selected from the nominated auditors in Proposal P15106.01

** Risk level to be discussed and agreed with the relevant stakeholders

Planned
Postponed
Actual

APPENDIX C



Project Management Plan (PMP)

Job No.: N206
Contract No. HI17381

Hornsby Ku-ring-gai Hospital
Stage 2 and Medical Imaging
Building Project

August 2020

Contents

Revision History	1
1. Project Description	1
1.1. History	1
1.2. Project Scope	1
1.3. Site Description.....	2
2. Project Management Plan	4
2.1. Safety Management	6
2.3. Quality Management.....	8
2.4. Environmental Management.....	9
2.5. Workplace Relations Management	10
2.6. Construction (Site) Management	11
2.7. Commercial Management	12
2.8. Project Finalisation (Completion) Management	13
APPENDIX A: OVERALL PROJECT STAKEHOLDER ORGANISATION CHART	1
APPENDIX B: PROJECT DELIVERY TEAM ORGANISATION CHART	2

Revision History

Issue	Date	Revision Description	Authorised by
1	Feb 2018	Contract Issue	Tim Williams (Construction Manager)
2	Dec 2018	General Revision & update Appendix B Org Chart	Nick Limbrey (Project Manager)
3	Jan 2019	General Revision & update of Appendix B Org Chart	Nick Limbrey (Project Manager)
4	Aug 2020	General Revision & update of Appendix B Org Chart	Mark Cahalin (Project Manager)

1. Project Description

The purpose of this document is to inform all parties, both internal and external, who are concerned with the delivery of this project of the operational protocols, systems and processes that have been established for the performance of the works.

1.1. History

The existing Hornsby Ku-Ring-Gai Hospital has been progressively constructed, maintained and refurbished since the 1930's. Major additions and extensions were completed in the 1960's, 1980's and 2010's.



Existing Hospital Main Entry / Emergency Department (Palmerston Road)

Stage 1 Hornsby Ku-ring-gai Hospital Redevelopment has been completed (2015). Stage 1 included the construction of the new clinical and support services building (STAR Building) in the south east corner of the campus.

Business Case: The development of the Hornsby Ku-ring-gai Stage 2 Redevelopment Final Business Case was submitted in March 2017, and approved by the Ministry of Health in May 2017.

Funding Approval: The 2017-18 NSW Government state budget has committed to the Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment.

Design: The Schematic Design of the Hornsby Ku-ring-gai Stage 2 Redevelopment was completed December 2016, under the guidance of Health Infrastructure, APP and the suite of design consultants.

Planning Approval: The project is subject to State Significant Development (SSD) approval (SSD 8647 dated 30 May 2018). The Medical Imaging and Paeds Building will be undertaken as a Review and Determination of Environmental Factors (REF) (037/2017 dated 12 Dec 2017). The management of this process is the responsibility of Health Infrastructure.

1.2. Project Scope

Concurrent and Early Works (by others): To facilitate the construction of the Stage 2 Redevelopment, a variety of Early Works are being conducted. These packages of work include;

- Stormwater & Sewer Provisions from Derby St to vicinity of proposed hospital building location,
- Communications Ring Main to Northern extent of site,
- Building 54 Engineering reconfiguration & campus covered walkway amendments,
- Demolition of Buildings 97, 47 & 34 (Engineering),
- Demolition of Building 21 (Mortuary),
- Temp facilities/demountable building for relocated Paeds and other services,
- Ambulance Entrance Reconfiguration, and
- Demolition of existing cottages.

In addition, a Multi Storey Carpark is being constructed along the western boundary of the campus, off Palmerston Road, to alleviate the current parking issues on and around the Hornsby Campus.

Main Works: The Hornsby Ku-ring-gai (HKH) Stage 2 Redevelopment Works will provide integrated purpose built health care facilities located adjacent to the existing STAR and HOPE Buildings. Complementing the Stage 1 redevelopment, the Stage 2 works will enable delivery of essential acute medical and ambulatory care services responding to the increasing service demand, enabling a better experience for patients, carers, staff and visitors. The proposed scheme will enable the implementation of new models of care aiming to deliver affordable, timely and appropriate health care.



Rendered image of the proposed new main entry and western elevation

The Stage 2 Redevelopment project will deliver the following.

- A new 5-storey building, including:
 - Combined Intensive Care and High Dependency Unit
 - Combined Coronary Care and Cardiac Investigations Unit
 - Cardiorespiratory Inpatient Unit
 - Medical Inpatient Unit (including Dementia / Delirium and Stroke Beds)
 - Rehabilitation Inpatient Units (cold shell). Fit out of each IPU (option).
 - Ambulatory Care Centre providing a centralised location for all Ambulatory Care services
 - Combined Education space with the University of Sydney
 - Main Entry with Retail and Front of House (FoH) area located adjacent to the high-traffic Ambulatory Care Centre and the main Hospital Street.
- A refurbished and expanded Emergency Department within the HOPE Building
- PECC Refurbishment to be tendered as an option.
- Demolition of PECC as a tendered option which may be exercised.
- Fit-out of the co-located Paediatrics Inpatient Unit and Paediatric Allied Health clinics on the second floor of the new Medical Imaging building
- Associated civil and landscaping works throughout the campus

At the completion of Stage 2 HKH will be a 515 bed hospital with an additional 34 Emergency Department treatment spaces.

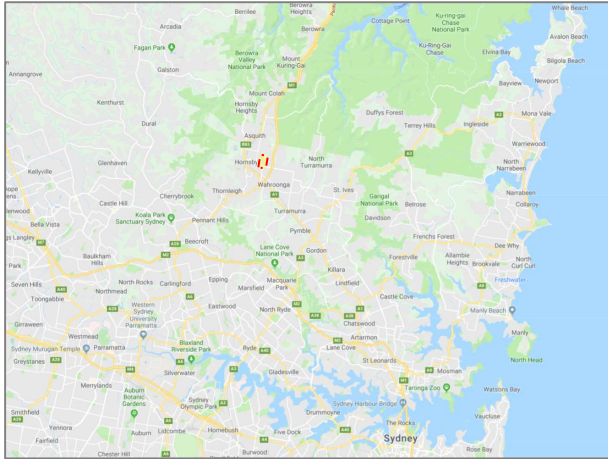
1.3. Site Description

The Hornsby Ku-ring-gai Hospital is located about 25 kilometres north-west of the Sydney CBD. The hospital is within the local government area of Hornsby Shire and is bounded by Palmerston Road to the west, Burdett Street to the south, Derby Road to the east and Lowe Road to the north.

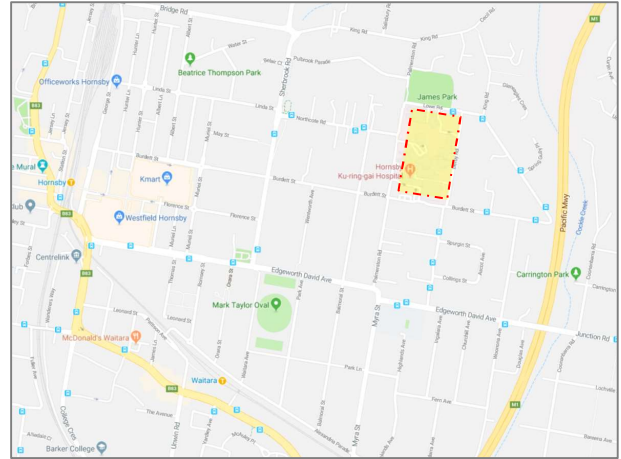
The hospital campus comprises of Lot 2 in DP14774, Lot 3 in DP14774, Lot B in DP363790, Lot 23 in DP814181, Lot 1 in DP232290 and Lot 189 in DP752053.

The site is located wholly within the existing hospital campus, located in the south-east section, bounded by Burdett Street to the south, Derby Road to east and Palmerston Road to the west. The site an irregular shape, approximately 11,000m² (1.1 ha) in area, and is bound by Derby Road to the east, Burdett Street to the south, and hospital grounds to the north and west.

Geologically, the site is located near the border of Ashfield Shale and Hawkesbury Sandstone. Hawkesbury Sandstone was confirmed by the boreholes, but Ashfield Shale was not encountered. Hawkesbury Sandstone typically comprises medium to coarse grained quartz sandstone with minor shale bands or lenses



Site locality in Greater Sydney



Site locality in Surrounding Suburb(s)



Site & Immediate Neighbourhood (map view)



Site & Immediate Neighbourhood (aerial image)

The new Clinical Services and Medical Imaging Buildings will be located adjacent to the existing STAR and HOPE buildings at the south east of the campus. Access to the new main entry will be via a new internal access road from Palmerston St, which is on the Western side of the site.

The site is a live operating hospital that will need to remain fully-operational throughout the entire project.

2. Project Management Plan

The delivery of the Works will be managed through the implementation of a series of Plans targeted to specific functional areas of the project which includes but is not limited to; Safety, Design, Quality, Environmental, Workplace Relations, Construction (Site) and Commercial Management, as well as Project Finalisation (Completion).



Each of these functional areas contains sub-plans and elements required to further articulate details regarding project delivery commitments and methods.

The aim of this Project Management Plan (PMP) is to provide stakeholders with information regarding operational protocols that have been established for the performance of the Works. This PMP is the over-arching document that outlines the Watpac Project Management System and provides reference to the individual plans that sit below this document. Sub plans will often be contained within the main suite of plans, e.g. Traffic management plan etc.

The full suite of plans proposed to be provided for the Hornsby Ku-ring-gai Stage 2 Redevelopment and Medical Imaging Building are shown on **Figure 1** over page.

Distribution of the various project plans will be registered and controlled electronically via Aconex. Printed copies of any project plans are uncontrolled. Distribution of plans will be determined by the Project Manager on a plan-by-plan, party-by-party basis, and governed depending on relevance and confidentiality i.e. some of the plans identified are Watpac internal documents only, whereas others have a broader realm of influence.

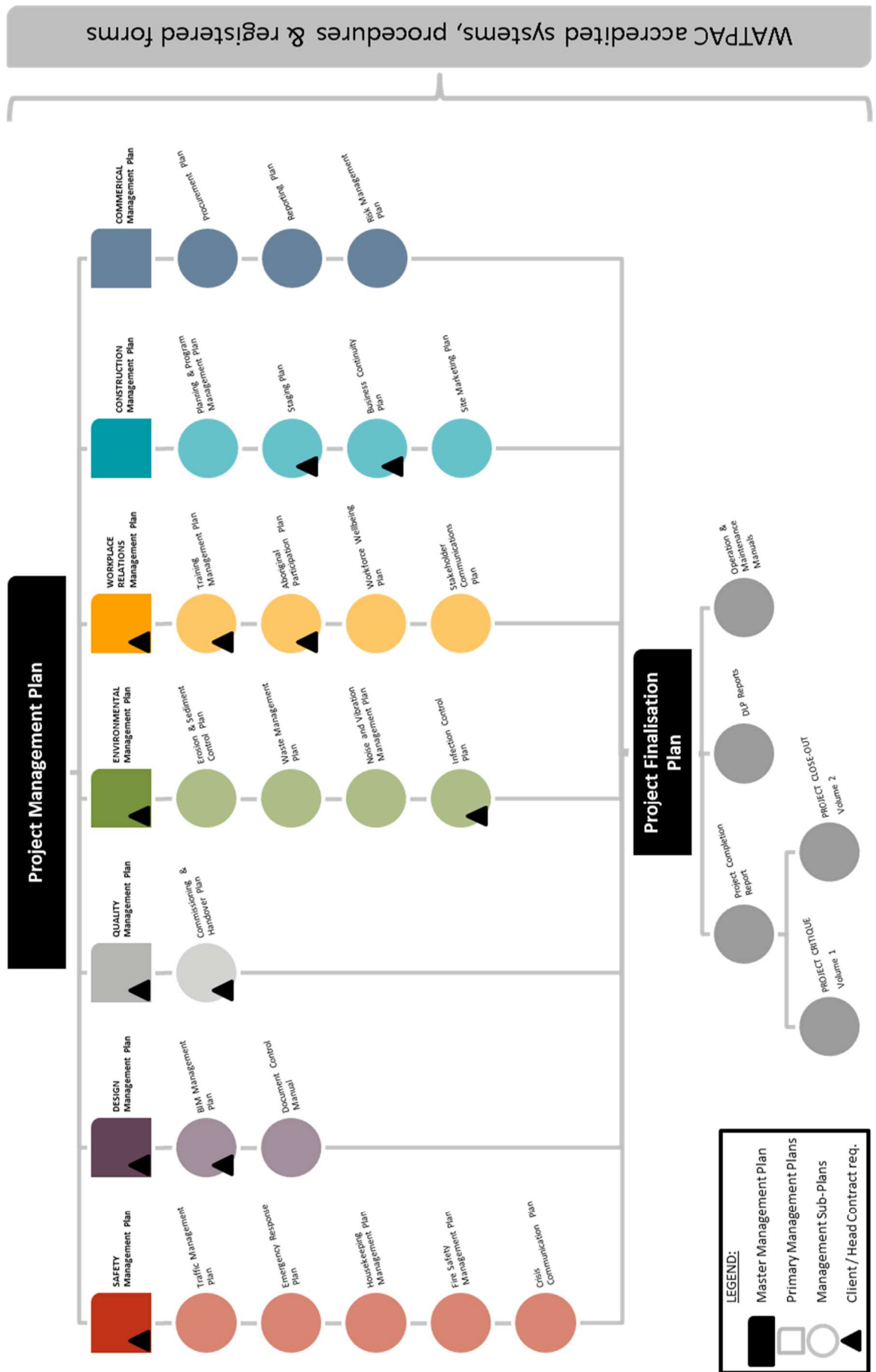
To facilitate the effective delivery of the works, the Project Manager is responsible for the implementation of the PMP and for monitoring against the performance objectives contained therein – either directly or through delegation to Project team members.

The following sets out an overview of the key components of each of the management plans and administrative systems and their application to the particular challenges of the Contract documents.

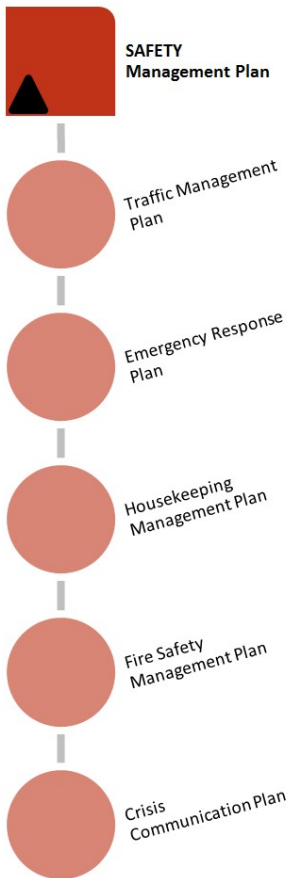
All site personnel will undergo a Site Specific Induction which will cover elements from all of the plans included within this PMP.



Hornsby Ku-ring-gai Hospital Project Management Plan framework



2.1. Safety Management



The Watpac Safety Management System is third party certified to AS/NZS 4801:2001 and is regularly audited both internally and externally as part of the on-going maintenance of the system.

The system is also accredited under the Federal Government's Office of the Federal Safety Commission's Building and Accreditation Scheme.

A Project Safety Management Plan (PSMP) is developed to meet contractual and systemic requirements. The PSMP sets out how we and our subcontractors will manage safety on-site.

The PSMP is effective for the duration of construction activities on site.

Generally, the plan embraces:

- The identification of hazards and risks
- The identification of various controls
- An assessment of the risk level both before and after controls
- Emergency Response and Reporting
- Incident Management and Response
- Safe work methods and procedures including applicable Australian Standards
- Safety consultative arrangements including site specific inductions
- Safety in design; and
- Subcontractor management

Generally, included as a sub-plan to the PSMP is the; Traffic Management Plan (TMP), Emergency Response Plan, Housekeeping Plan, Fire and Crisis Management Plans.

We will adopt a proactive approach to managing safety and we will drive a positive safety culture throughout the project in conjunction with all project stakeholders. Our system applies from the contract letting stage through to the end of the contract and assigns responsibilities to all individuals on-site, requires continuous review of our activities, and incorporates daily documented inspections of the site.

Subcontractors will be required to produce Work Method Statements for approval prior to them commencing works on-site. Individual employees will have undergone a General Construction Industry Induction as well as their own Company's induction prior to undergoing a thorough site induction and being permitted to commence work on the site.

The site induction will include, but not be limited to addressing site conditions and constraints, the site rules (including traffic management), safety and environmental responsibilities, emergency procedures, existing services, responsibilities and required behaviours.

Through the application of our systems we will ensure that details of any plant coming to site are checked for conformity prior to commencing work, and that operators' are appropriately qualified for the tasks they will be carrying out with that equipment.

Records generated through the inspection / work method statement processes when combined with the induction and first aid records we maintain, provide us with WHS performance indicators and the core of our monthly WHS reporting.

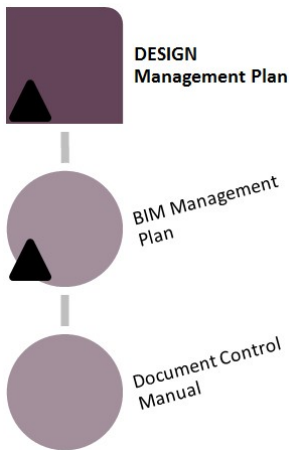
All incidents (including near misses) and accidents are required to be reported and documented. Records of any such events will be maintained by the Project Safety Advisor. Appropriate advices will be provided to the Client's Representative as required under the Conditions of Contract.

We will ensure that our subcontractors prepare the necessary plans and progressively produce records to verify compliances have been achieved.

The PSMP will be subject to audit by our Project Safety Advisor and Site Manager at site level and by our Corporate Safety Manager. Formal audit reports will be prepared that identify any system deficiencies for action by the project team.

For more information, please refer to the project-specific **Safety Management Plan**.

2.2. Design Management Plan



The Design Management Plan (DMP) is prepared by the Design Manager, in consultation with the Project Manager. The DMP is prepared to meet the contractual and compliance requirements surrounding design management practices in the industry.

The DMP provides a framework for all activities associated with the various Design Phases of a project including, but not limited to the following tasks:

- Consultation process with the Client, User Groups and stakeholders
- Implementation and compliance with Client-specific design requirements and brief
- Coordination and management of design resolution between design team consultants and disciplines
- Management of the any development approval processes, and discharge of conditions
- Management and compliance with relevant design-related Codes and Standards
- Production of documentation – associated with each project phase in line with program
- Management of the design review and verification processes
- Document Control
- Consideration of Design Risks and mitigation strategies
- Consideration of Safety in Design obligations

The DMP is effective immediately following Contract Award, through the duration of design, procurement and construction, until Practical Completion and As-built documentation generation.

Generally, included as a sub-plan to the DMP is the; BIM Management Plan and the Document Control Manual.

Successful implementation of this plan relies on clearly articulated responsibilities, defined deliverables and clear communication of expectations to the project team.

For more information, please refer to the project-specific [Design Management Plan](#).

2.3. Quality Management



The Watpac Quality Management System is third party certified to AS/NZS ISO 9001:2000 and is regularly audited both internally and externally as part of the on-going maintenance of the system.

A Project Quality Management Plan (QMP) is prepared to meet both contractual and compliance requirements.

The QMP establishes responsibilities for our management team and subcontractors to ensure that required progressive inspections and tests are undertaken, and that through the implementation of our processes we deliver a product that meets or exceeds specified and Client requirements.

The QMP is effective for the duration of construction activities on site, from procurement through to Practical Completion.

The plan incorporates/refers to procedures for:

- Procurement;
- Inspection and Testing;
- Provision and maintenance of quality records;
- The identification and close out of non-conformances;
- System management and improvement;
- Performance Auditing; and
- Addresses both Watpac and our subcontractors' system requirements.

The QMP will be subject to audit by our site based Quality Coordinator and by our corporate Quality Manager. Formal audit reports will be prepared that identify any system deficiencies for action by the project team.

Project lot control for each discipline will be managed by area. Records will be prepared for each lot, then progressively completed, verified and filed ready to support the final testing and commissioning regime that will be conducted at the conclusion of the works.

Vigilant supervision by our team at all levels will ensure that our subcontractors prepare the necessary plans, incorporate hold and witness points as required, and progressively produce records to verify compliances have been achieved. Early and consistent auditing will assist in the above compliance processes.

Generally, included as a sub-plan to the QMP is the; Services Commissioning Plan(s).

For more information, please refer to the project-specific **Quality Management Plan**.

2.4. Environmental Management



The Environmental Management System is third party certified to AS/NZS ISO 14001:2004 and is regularly internally and externally audited as part of the ongoing maintenance of that system.

The EMP is effective for the duration of construction activities on site.



The project Environmental Management Plan (EMP) will be developed to meet statutory, contractual and systemic requirements including the Client’s Environmental Management requirements.

Generally, included as a sub-plan to the EMP is the; Erosion and Sediment Control Plan, Waste Management Plan, Noise and Vibration Management Plan and Infection Control Plan.



The EMP establishes responsibilities for our management team and subcontractors to ensure that we meet our environmental responsibilities during the conduct of the works.



The EMP addresses issues including but not limited to; hours of work, noise and vibration, dust control, access, storage of fuel and other hazardous goods, fuelling and maintenance of vehicles and equipment, waste management and disposal of waste, water quality and surface water runoff, storm water run-off, sediment and erosion control, stockpile controls, contaminated water, flora and fauna management, cultural heritage, incident reporting, acid sulphate management, and post construction rehabilitation. The EMP embraces all three environmental elements of the; natural, built and human environment.



The EMP will be the subject to audit by our Environment Coordinator at a site level and by our corporate Environmental Manager. Formal reports will be prepared that identify any system deficiencies for action by the project team.

The system requires weekly inspections of the works to identify any hazard, or changing conditions that may require action, and contains incident reporting procedures. Completed inspection forms, reports and test results will be maintained and administered by the site Environmental Coordinator.

Environmental Management requirements form part of the contractual commitment made by each of our subcontractors, and form part of the induction process each individual working on the site will undergo. The EMP will be made available to all individuals working on the site.

For more information, please refer to the project-specific **Environmental Management Plan**.

2.5. Workplace Relations Management



The Workplace Relations Management Plan (WRMP) outlines the way the site will be managed and controlled in relation to the engagement and productivity of human resources assigned to the projects construction. The plan is aimed at improving productivity through workplace and management practices that are flexible and responsive to the business demands of the enterprise and to the requirements. This requires effective management of employment and industrial relations issues and risks to be a priority during both the planning and carrying out of all work.

The WRMP is effective for the duration of construction activities on site, commencing at procurement.

The project WRPM will be developed to meet statutory and contractual requirements.

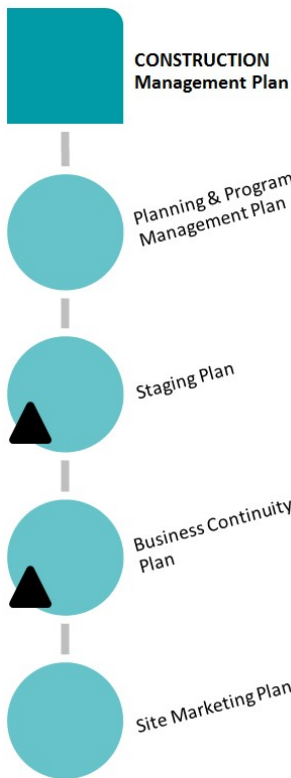
Generally, included as a sub-plan to the WRMP is the; Training Management, Aboriginal Participation and Workforce Wellbeing Plans.

The WRMP establishes responsibilities for our management team and subcontractors to ensure that we meet our legal responsibilities and maximise productivity during the conduct of the works.

The WRMP addresses issues including but not limited to; Productivity, grievance management, industrial action, recruitment / engagement of workers, conditions of employment, inductions, freedom of association, right of entry, training and the like.

For more information, please refer to the project-specific [Workplace Relations Management Plan](#).

2.6. Construction (Site) Management



The Construction (Site) Management Plan (CMP) outlines the way the site will be managed and controlled. The CMP spans the life of the project and is implemented progressively from tender to final completion / demobilisation.

Generally, the CMP incorporates the following key elements:

- Site Establishment
- Site Security
- Materials Handling
- Roles and responsibilities of Team Members
- Works Sequencing and scope
- Communications
- Decanting / Demobilisation Requirements

The CMP contains a number of sub-plans that contain detailed information in relation to a specific topic. These plans can include but are not limited to:

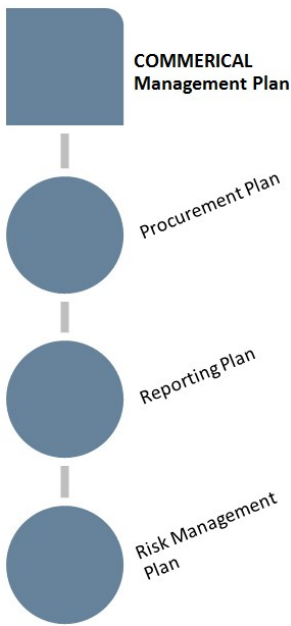
- Planning and Program Management Plan
- Staging Plans and details
- Business Continuity Plan
- Site Marketing Plan

Each element of the CMP is tailored to suit the particular requirements on the Project.

From the Client perspective, this plan addresses how work is conducted onsite and specifically focuses on management of site based employees.

For more information, please refer to the project-specific **Construction Management Plan**.

2.7. Commercial Management



Commercial Management is administered without need for a specific detailed plan, rather the business procedures and reporting protocols. Internal documents, systems and processes, including out Monthly Project Report are utilised to manage; contractual requirements, financials, variations, budgets, procurement of trades and suppliers, claims and invoicing management, insurances, securities, cashflow, reporting and overall risk management of the project.

The commercial management of the project is managed by the Contract Manager, in conjunction with the Project Manager, under the supervision of the Commercial Manager.

Generally, included as a sub-elements are the Trade Letting Schedule, Variation Registers, Forecast Workbench, EoT / NoD registers, Risk Register etc.

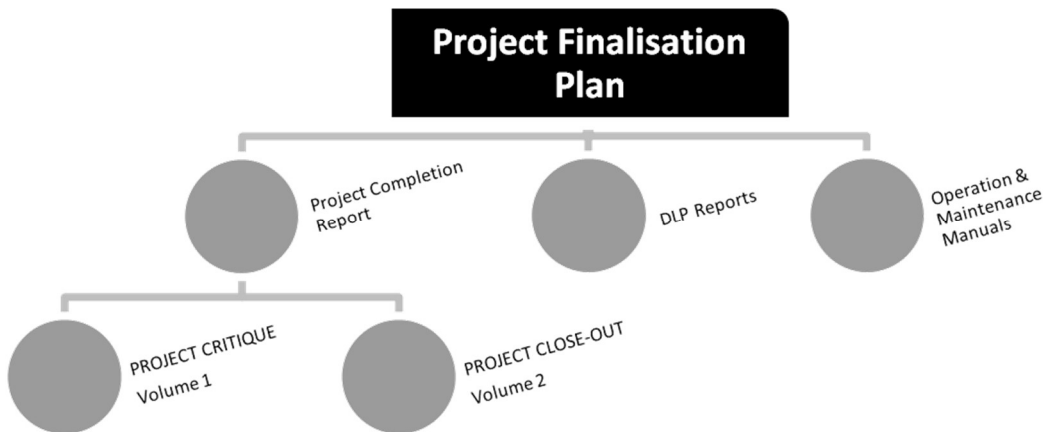
2.8. Project Finalisation (Completion) Management

As the project delivery phase nears completion, residual items from each of the disciplines listed above, as well as specific project completion and finalisation activities are collated into the Project Finalisation Plan. This plan essentially provides closure and resolution to all aspects of the delivery phase, to enable seamless project close-out and transition to post-construction operational phases.

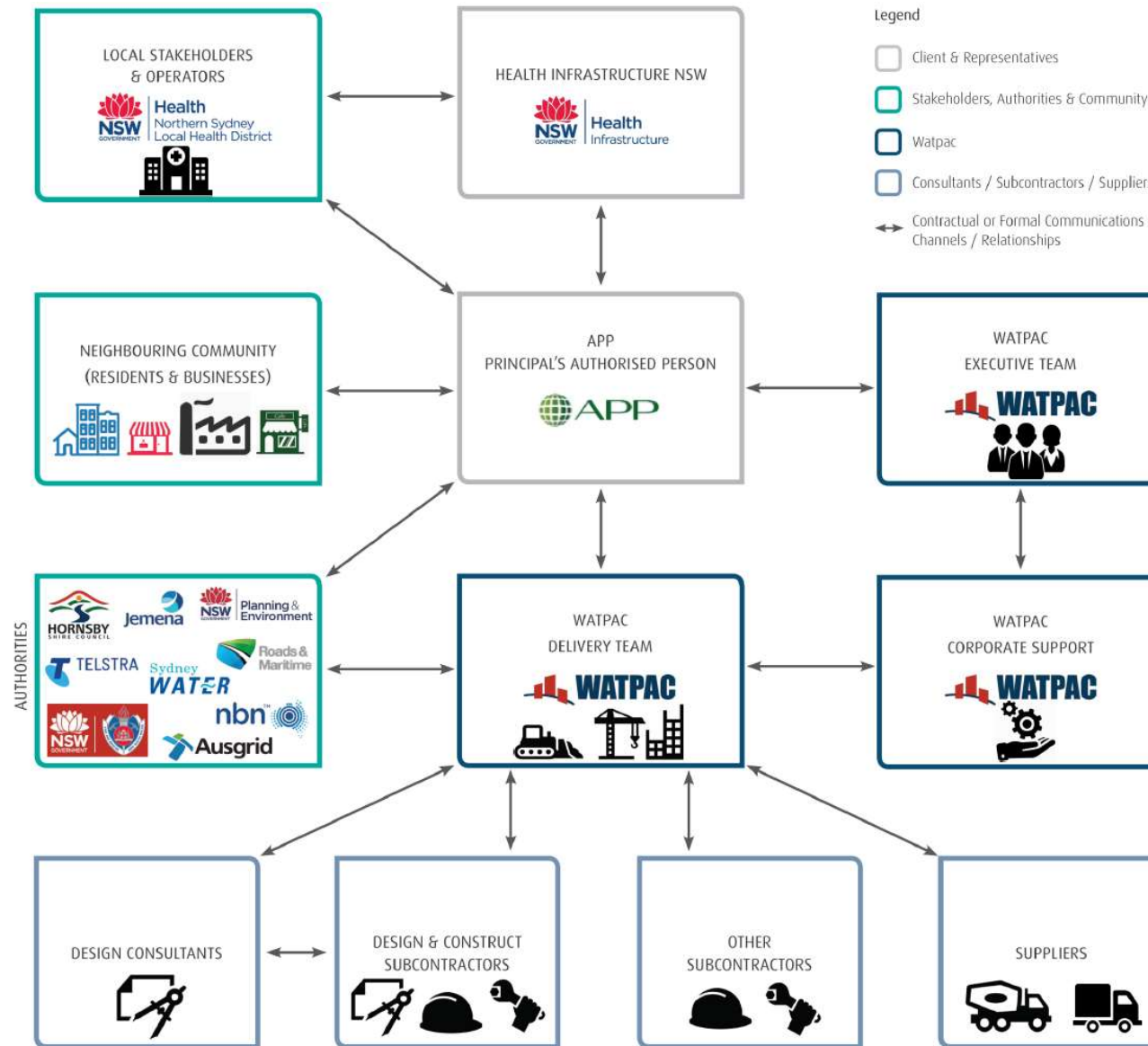
Included in the Project Finalisation Plan are aspects such as;

- attainment of Occupation Certificates,
- discharge of authority and contractual requirements,
- attainment of Practical Completion, user group training,
- handover of spares / keys etc,
- preparation of Operation and Maintenance Manuals,
- collation of warranties and certifications,
- final claims and DoR management,
- project archiving and record keeping,
- as well as resolution of any outstanding items from each respective delivery discipline.

Sub-elements to the Project Finalisation Plan may include; Project Completion Reports, DLP Plan / Reports and Operation and Maintenance Manuals.



APPENDIX A: OVERALL PROJECT STAKEHOLDER ORGANISATION CHART



APPENDIX B: PROJECT DELIVERY TEAM ORGANISATION CHART

Hornsby Ku-ring-gai Hospital Redevelopment Stage 2 - Project Organisational Chart



- Client & Representatives
- Executive Staff
- Corporate Support
- Project Team
- Consultants / Subcontractors

