

# Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2 Environmental Audit No. 7



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

Audit Reference:	AQ1236.07
Audit Organisation:	Watpac Pty Ltd
Auditor:	Luis Garzon, AQUAS
Date of Audit:	1 June 2021
Draft Report Submitted:	25 June 2021
Final Report Submitted:	30 June 2021; Rev. 1, 27 September 2021

## Amendment, Distribution & Authorisation Record

#### Version Control and Distribution

Revision No.	Date	Issued to
Draft	25 June 2021	Adam Nichols
Final	30 June 2021	Adam Nichols
Final Rev.1	27 September 2021	Adam Nichols

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

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**Environmental Auditor** 

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**Environmental Auditor** 

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## 1. Executive Summary

This independent environmental audit was conducted to review the implementation of 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 1st June 2021.

This report details the findings of the seventh Environmental audit of the construction works undertaken by Watpac for the Hornsby Ku-Ring-Gai Hospital Redevelopment Stage 2. Project status since the previous Independent Environmental Audit includes the following:

- Milestone 2 (Main Building) and Milestone 3 (Main Entry) recently handed over;
- The Contractor has taken possession of the existing Emergency Department and currently in the demolition phase;
- The Contractor has also taken possession of the George Lumby Building and is preparing for demolition;
- Ongoing works are taking place in Milestone 5, where there is great focus on:
  - Tunnel Link
  - Mortuary courtyard
  - Hospital cottages
  - Northwest corner of the level 1 structure

Watpac Besix 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, air and noise monitoring, waste bins in various locations, traffic controls, dust suppression, ongoing site monitoring and tree protection.

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 submitted by Health Infrastructure (HI) to the Department of Planning on 01/06/2021.

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 documentation with outdated references to legal requirements. 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	Construction.	
Description	Stage 2 of the Hornsby Ku-ring-gai Hospital Redevelopment includes:	
	<ul> <li>construction of a seven storey building including part basement level and rooftop plant level, containing: <ul> <li>a new main hospital entry</li> <li>a new 12 bed intensive care unit</li> <li>four new 28 bed inpatient units</li> <li>new and refurbished ambulatory care</li> <li>an extended emergency department</li> <li>increased capacity of the existing Psychiatric Emergency Care Centre from four to six beds</li> <li>two new 28 bed rehabilitation wards</li> <li>a new mortuary</li> <li>teaching and research facilities and administration space;</li> <li>cafe;</li> </ul> </li> <li>car parking;</li> <li>demolition works;</li> <li>remediation; and</li> <li>landscaping works; and</li> <li>helipad.</li> </ul>	
Project Activity Summary	Currently the main structure of the building is complete, with topping out of structure completed in October 2020.  Key activities occurring onsite included:	
	<ul> <li>Milestone 2 (Main Building) and Milestone 3 (Main Entry) recently handed over;</li> <li>The Contractor has taken possession of the existing Emergency Department and currently in the demolition phase;</li> <li>The Contractor has also taken possession of the George Lumby Building and is preparing for demolition;</li> <li>Ongoing works are taking place in Milestone 5, where there is great focus on:         <ul> <li>Tunnel Link</li> <li>Mortuary courtyard</li> <li>Hospital cottages</li> <li>Northwest corner of the level 1 structure</li> </ul> </li> </ul>	



#### 2.2 Objective and scope 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 1<sup>st</sup> June 2021 at the Hornsby Ku-Ring-Gai Hospital Stage 2 site office – Palmerston Rd, Hornsby NSW 2077.

#### 2.5 Audit Period

This was the seventh 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 14 December 2020 to 1<sup>st</sup> June 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 01 June 2021 at 8:30am.

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
Mark Cahalin	Watpac	Project Manager
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 01 June 2021 at 3:30pm with representatives of APP Corporation, 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 Non-Compliance and one opportunity for improvement were 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 8 November 2019), 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.
- 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. It was noted that the PEMP has some references to outdated legislation, and it was suggested to carry out a general review and updates, as necessary OFI-01.
- There has been a new change in the SSD Conditions Modification 5 was approved by the Department on the 8 April 2021 with modification to Stage 2 site boundaries, changes to landscaping and the tunnel link.
- BCA Completion Certificate was issued for Milestone 3 Emergency Department, main entrance and Allied Health.

#### 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. A Toolbox Talk was delivered for awareness of asbestos, silica dust and diesel fumes.
- 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 with information about anticipated duration of works for stormwater infrastructure on Burdett Street.
- Communications with the Hospital through Disruptive Works Notices are the standard system for notification of disruptive works.
- 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 S70 seen onsite.
- Site signage was installed in various locations with project required information. Other signage in place, e.g. "Danger Lead Removal in Progress", Covid-19 Information, "Danger Demolition in Progress".
- Post-construction dilapidation report for Derby Road submitted to HI and APP on 25 May 2021.
- o Communication was sent to Council on 19 March 2021 for stormwater works on Burdett Street.
- Protection for trees on Palmerston Road was observed.
- o Noise monitoring readings continue to be undertaken as part of weekly inspections.
- Construction hours 7am 6pm weekdays, 8am 1pm Saturday.
- A resident complaint was received on 9 March 2021 for truck arriving to site (Palmerston Rd) at 5am. The issue was addressed by contacting the contractor and reminding of the construction hours. The Contractor is to ensure construction vehicles arrive to site only within authorised working hours.
- Waste Diversion Report for Hornsby Hospital was available Recovered 88% of waste in April 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.



- Douglas Partners issued a samples report for Area 6 (Milestone 4 refurbishment area) on 23 April 2021. A Senversa Auditors Report dated 28 April 2021 notes that there are no significant contaminants in the samples taken.
- Notification to SafeWork NSW "Notice of intention to remove asbestos" has been sent on 12/11/20 for buildings 1, 2, 13 & 43. Removal works have commenced.
- Clearance Inspection Certificate EHO Consulting dated 17 May 2021 available for removal of asbestos Building 1 and 2.
- 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.
- The perimeter of the project site is fenced and is monitored for graffiti and advertising material.
- o 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. An emergency evacuation drill was conducted on 28 May 2021 to make staff aware of the new site layout.

#### 4.1.5 Performance Evaluation

- Environmental inspections were conducted by the contractor weekly. Inspection reports were available including photos of controls in place during each inspection. Sighted inspection conducted on 25 May 2021 and 31 May 2021.
- HI also conducts site inspections and records findings in the HI Construction Works Site Checklist form sighted example of inspection on 13 May 2021, where five issues were raised.
- Calibration records for air monitors sighted during site walk were available.
- The Contractor's Monthly PCG Report for April 2021 was available. Section 8 has summary of environmental results.
- The latest Construction Compliance Report was prepared on the 31 March 2021, however it was submitted to the DPIE on 01 June 2021, outside the reporting period required by the SSD Condition of Consent B37 – Non-Compliance-01.
- The last independent environmental audit was conducted by AQUAS in December 2020, however the Audit Report dated 27 January 2021 was also submitted to DPIE on 01 June 2021, outside the reporting period required by the SSD Condition of Consent B41 – Non-Compliance-01.
- Information about the HKH2 project is published in the HI Website. Information required by SSD condition C27 was in place.

#### 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.
- o No environmental incidents or non-compliances have been identified so far in the project.
- A Project Complaints Register was maintained and details about complaints were recorded including resolution reached. One new complaint was recorded since the last independent audit (refer Section 4.1.4 of this report).
- 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 in detail with Watpac and AQUAS confirmed that responses and actions were appropriate to close out the three opportunities for improvement raised during the audit conducted on 23 June 2020, as detailed below.



Finding No.	SSD Ref. No.	Finding	Comment/ Recommendation	Follow up Comments
OFI-01	SSD CI. A1 & C19 (Checklist Items 2.10 & 4.40)	Erosion and Sediment Control ErSed Controls were observed during site visit, e.g. sandbags around drains and slit fences. However, no controls were installed around a small stockpile close to the site office. It is noted that no live stormwater drains were close to the stockpile.	It is recommended that additional Erosion and Sediment controls are added around a small stockpile that resulted from retaining wall works recently built close to the site office.	Photo evidence was submitted by Watpac shortly after the audit showing environmental controls installed around the stockpile to address this issue.  CLOSED
OFI-02	SSD CI. C27 (Checklist Item 5.9)	Access to Information Sighted in HI website for the HKH2 project – the noise and water monitoring results are now published. However, other information required is now not included, e.g. the CEMP and other sub-plans, the Complaints Register, Audit report for Independent Audit 5, and other.	It is recommended that all the information listed in SSD Clause C27 be published in the Project website as required.	Email from HI to APP dated 01/02/21 with confirmation that the required documents were uploaded in the project website was presented as evidence.  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 and Cl. B41	Construction Compliance Report and Independent Environmental Audit The Construction Compliance Report for the period September 2020 to February 2021 and the Independent Audit report for the 14 <sup>th</sup> 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.	Future Construction Compliance Reports and Independent Environmental Audit Reports (including response to raised audit issues) should be submitted by the Proponent to the DPIE within the timeframes required by the SSD Conditions <b>B37</b> and <b>B41</b> .
OFI-01	ISO 14001 Cl. 6.1.3	Compliance Obligations 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.



### 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 Minor Non-Conformance 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	89
Non-Compliant	2
Not Triggered	10
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				
ROJECT: Hornsby Hospital Stagl 2 AUDIT No.: 7  IDITEE: Watpac LEAD AUDITOR: Luis Garzon ETING LOCATION: Watpac Site office ENING MEETING DATE AND TIME: 1/6/2021 8:30 am				
NAME	ORGANISATION	POSITION	eich	ATIDE
NAME	ORGANISATION	POSITION	SIGNATURE  OPENING CLOSING MEETING MEETING	
vis Garzan	LAUGA	Auditor	19.	fer
KK CAHALIN	BESIX Wetpac	P.M	Mal	MEG
iena veijovic	BESIX Watpec	cadet	fleveral).	Helas
lom Nichals	APP	senior Prosect	Ducholz	Duchols
ms valuari	HPP 1991	augnine	free .	lane of
élie Bolle	BESIX Warpac	Senia Project	attolo	Abolle
		•		



## **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:	30 <sup>th</sup> June 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:

- 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;
- 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;
- 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:	Linggint
Qualification:	Lead Environmental Auditor
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060

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## Appendix C. [Audit Checklist]

Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
1.0	Environ	mental 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 8/11/19, 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	Environr	mental 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	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
		Regular reviews against performance targets?		
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. Sighted Contractor's Monthly PCG Report for April 2021. Section 8 has summary of environmental results.	Compliant
2.0	Leaders	hip (5.0), Planning (6.0) and Resources (7.1)		
2.1	Resourc	es, 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:  - 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. Organisation chart is current	Compliant
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 Construction/Operations Manager - Quality and Environmental Manager - Project Manager - Project Environmental Coordinator	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
			<ul> <li>Independent verification staff</li> <li>Site Manager</li> <li>Foreman</li> <li>Contract Administrator</li> <li>Direct labour</li> <li>Subcontractors and suppliers.</li> </ul>	
2.4	-	A management representative(s) has been appointed by the Contractor and has defined roles, responsibilities and the authority for:  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	Environ	mental 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.	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	Compliant
		This has considered planned or new developments, or new or modified activities, products and services.	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.	
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.	Compliant
			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.	
2.8	Complia	nnce 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	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.	Compliant
		compliance and records are maintained?	Last change to the SSD Conditions 8647 was MOD 5 of 08/04/2021.	



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
			Any legislation updates are provided by the Head Office. Sighted examples of email correspondence with legislation updates, mostly from WHS perspective.	
			NOTE: Some references in CEMP are outdated, e.g. page 37 (50) – WHS Regulation 2011 (should be 2017); CoP for safe removal of asbestos – there is a July 2020 version, etc. – <b>OFI-01</b>	
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 per the site walk. No environmental issues have been identified.	Compliant
2.11	A2	<ul> <li>The development may only be carried out: <ul> <li>a) in compliance with the conditions of this consent;</li> <li>b) in accordance with all written directions of the Secretary;</li> <li>c) generally, in accordance with the EIS as amended by the RtS and RtS Addendum;</li> <li>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;</li> <li>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;</li> <li>f) generally, in accordance with HHR Stage 2 Statement of Environmental Effects Section 4.55(1A) Modification to Emergency Department Façades,</li> <li>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</li> <li>h) in accordance with the approved plans.</li> </ul> </li> </ul>	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	Crown Certificates CC1 - 12/07/2018 and CC2 - 11/10/2018.	Compliant
		any alterations or additions that are part of the development, must be constructed in accordance with the relevant requirements of the BCA.	Crown Certificates received covers 30/4/19 for remaining works (CC3), including extension of Emergency Dept, front of house and others.	
			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.	
			Has CC5 CRO-20065 of 2 July 2020 – Balancing of the Helipad. Refers to BCA compliance.	
			Sighted Aconex correspondence of 7 <sup>th</sup> 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.	
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	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.	Compliant
		must ensure that evidence of compliance with this condition from an appropriately qualified person is provided and that	Crown Certificate 3 references the iAccess Report dated 25 February 2019 with design changes incorporated.	
		the requirements are referenced on any certified plans.	Sighted BCA Completion Certificate No. 17 14/05/2021 – for Milestone 3 ED, Main entrance and Allied Health.	
2.15	B13	Structural Drawings Prior to commencement of works, the Applicant must submit for approval of the Certifying Authority structural drawings	BCA Crown Certificate references the SSD 12/07/2018 Blackett Maguire and Goldsmith – drawings and other docs received (e.g. certifications)	Compliant
		prepared and signed by a suitably qualified practising Structural Engineer that demonstrates compliance with: a) the relevant clauses of the BCA; and	BCA Crown Certificate 2 of 11/10/2018 – sighted certificate with drawings and structural adequacy.	



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		b) this development consent. Additional info?	Crown Certificate 3 of 30/4/19 includes any remaining drawings.	
2.16	ac	accordance with Part F4.5 of the BCA and must comply with	This is a permanent design item, done to BCA and relevant Australian Standards.  - Item 19 of Crown Certificate	Compliant
		of the Certifying Authority prior to commencement of the	- Item 7 of Crown Certificate	
	relevant works.	Dewpoint Report of 6/2/2019 has references to SSD conditions B15, B16 and others (part of Crown Cert. 3).		
2.17	B16	The installation, operation and maintenance of warm water systems and water-cooling systems must comply with the	Dewpoint Group is the mechanical contractor. Sighted Certificate of Design Mechanical dated 6/2/2019 and revised on 22/3/2019.	Compliant
		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.	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.	
2.18	A21	For work costing \$25,000 or more, a Long Service Levy must be paid.	Long Service Levy has been paid – Receipt No. 00399139 of 2 October 2019.	Compliant
2.19	C24	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	The layout of the site has changed, e.g. the contractor has taken possession of new areas and there is a new site access.  Inspections are conducted to ensure that the gates are locked.	Compliant
		all times in accordance with relevant Work Cover requirements.	There are currently 5 entrances, there are traffic controllers where there is vehicle access.	
3.0	Support	(7.0)		
3.1	Compete	ency, training and awareness (7.2, 7.3)		
3.2	7.2	The Contractor has ensured that employees and	HR recruitment process managed by head office.	Compliant
		subcontractors are competent on the basis of appropriate education, training or experience.	Subcontractors' competencies managed tendering process – selection of qualified personnel – questionnaire to be completed.	
		Relevant training and competency records have been retained.	Workers go through a Watpac online induction (general) and then there is a site-specific induction, e.g.	



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			- Various inductions available, sighted for C. Coleman of SSS NSW, induction of 28/05/21, No. 2734. It has an environmental section. Attached was the employee high risk work licence.	
3.3	7.3	The Contractor has established a procedure to provide awareness to employees and subcontractors on:  a) the importance of conformity with the environmental policy, procedures and requirements of the EMS  b) the significant environmental aspects and related actual or potential impacts associated with their work, and the environmental benefits of improved personal performance,  c) their roles and responsibilities in achieving conformity with the EMS  d) the potential consequences of not following the relevant procedures.	All staff go through project induction. This includes working hours, hazardous substances, emergencies, lighting, and other specific environmental elements.  Have some subcontractors providing training in other language e.g. partition and façade contractor delivered training in Chinese.  Toolbox talks are conducted every Monday (whole site) and daily pre-start (3D safety app).  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.  New Evidence:  Sighted Toolbox Meeting record of 28/04/2021. Discussed works onsite, then asbestos awareness, silica dust, diesel fumes. Had photo of attendees and signoff sheet.	Compliant
3.4	C31	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.	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)	Compliant
3.5	Commur	nication (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> <li>Conduct meetings with APP and HI fortnightly</li> <li>Fortnightly meetings – DWN Tracking register, spreadsheet with status of DWNs, upcoming works, current works onsite</li> <li>DWN – 233 have been issued so far</li> <li>Sighted DWN 231 for fire-related works, dated 28/05/21 for works to commence on 1st June 2021.</li> </ul>	Compliant
3.7	7.4.3	Procedures are in place for communications with external parties, e.g.	Contractors meeting – every 2 weeks APP, HI and Watpac, go through design, HSE, program, construction.	Compliant



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		a) EPA, Council, Hospital, others b) Community engagement – provision of information, sensitive receivers, follow up	Any community communications are managed through HI – e.g. Notification of out of hours Works sent by HI for letter box drops 7/12/20. Sighted email 8/12 by the PM to Council with notification. Recent examples:  Watpac liaises with Council, e.g. correspondence for works outside the boundary Derby Rd (last Friday 28/05/21) – after Ausgrid carried out works for the project.	
3.8	A7	Evidence of Consultation – Where conditions of this consent require consultation with an identified party, the Applicant must:  a) consult with the relevant party prior to submitting the subject document for approval; and b) provide details of the consultation undertaken, including: 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.	As above – there have been letter box drops delivered to neighbours.  Sighted 24/05/21 Letterbox drop Re: HKH Redevelopment Stage 2 Stormwater infrastructure to Burdett St updated notification of anticipated duration.  Communication gets approval by APP, HI, LD, and then it can be sent.	Compliant
3.9	B1	Notice of commencement of works 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	Sighted letter of 28 <sup>th</sup> June 2018 – 'Notification of Commencement' A letter was dropped to neighbours for info +/- 130 residents.  Next stage will be part of a different approval.  Sighted Draft Notification of commencement letter for neighbours Demolition of Cottages, commencing 3 <sup>rd</sup> June 2021, and includes hours of work.	Compliant
3.10	Docume	entation (7.5)		
3.11	7.5	The Contractor has procedures for control of documents and records, which includes:  a. approval of documents for adequacy prior to issue b. review and update and re-approval c. ensuring that changes and the current revision status of documents are identified d. ensuring that relevant versions of applicable documents are available at points of use	<ul> <li>Uses 'Watkins' system – has all current system documents, templates, forms, etc.</li> <li>Aconex – project specific documentation e.g. the EMP + reports</li> <li>Authorisation in the plan.</li> <li>Documents are available in the server.</li> <li>Have access to the NSW Gov. page for the project e.g. for SSD conditions.</li> </ul>	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<ul> <li>e. ensuring that documents remain legible and readily identifiable</li> <li>f. ensuring that relevant documents of external origin for the planning and operation of the EMS are identified and their distribution controlled</li> <li>g. preventing the unintended use of obsolete documents and applying suitable identification to them if they are retained for any purpose</li> </ul>	<ul> <li>Aconex docs – only have the current versions (older not shown)         G-Drive – have a 'superseded docs' folder</li> <li>Some docs / records in G:/ Drive</li> <li>Web FM – web-based portal for management of defects.</li> <li>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.</li> </ul>	
	322, 323	Construction Environmental Management Plan  a. 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:  i) hours of work;  ii) 24-hour contact details of site manager;  iii) traffic management, in consultation with Council and TfNSW;  iv) construction noise and vibration management prepared by a suitable qualified person;  v) management of dust and odour to protect the amenity of the neighbourhood;  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);	Sighted PEMP dated March 2021 (Rev.7) authorised by PM with minor updates.  a) Transmittal to HI/APP 20/03/2018 via Aconex – original plan Email of 19/09/2018 – sent updated plans to Planning NSW. Sighted Aconex email of 12/04/2018 to the Certifier; no comments have been received from either party.  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.  Aspects required in SSD CI. B22 addressed generally in:  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.	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<ul> <li>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;</li> <li>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</li> <li>c. The Applicant must submit a copy of the CEMP to the Department and Council prior to commencement of work.</li> <li>The CEMP must be implemented by the contractor for the duration of the construction works</li> </ul>		
3.13	B24, B25	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:	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. No recent updates.	Compliant
		<ul> <li>i) be prepared by a suitably qualified expert;</li> <li>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;</li> <li>iii) describe the measures to be implemented to ensure &gt; best management practice is being employed;</li> <li>&gt; compliance with the relevant conditions of this consent;</li> <li>iv) describe the proposed noise and vibration management measures in detail;</li> <li>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;</li> <li>vi) describe the consultation undertaken to develop the strategies in v) above;</li> <li>vii) evaluate and report on the effectiveness of the noise and vibration management measures; and</li> <li>viii) include a complaints management system that would be implemented for the duration of the construction works.</li> </ul>	Acoustic logic Report – has recommendations for noise & vibration controls. Baseline reference noise measured.  The Council has copy of the Plan. Follow requirements for noise management, e.g. excavation works not to start before 8:00am.  Strategies e.g. Acoustic logic did measurements/ monitoring to get info for preparation of the Plan.  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.  The Plan includes recommendations for complaints management. 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.  No recent updates to the Plan.	



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		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.		
3.14	B26, B27	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:  i) recycling of demolition materials including concrete; and 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.  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;  The Contractor must notify the RMS Traffic Management Centre of the truck route(s) to be followed by trucks transporting waste material from the Subject Site, prior to the commencement of the removal of any waste material from the Subject Site; and  The Contractor must submit a copy of the plan to the Department and the Council prior to commencement of work.  B27 – The CWMP must be implemented by the contractor for the duration of the construction works	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.  Plan was updated 30/10/19 (Rev.2) to change the template to reflect new branding and new Appendix 1.  Use grasshopper as removal subcontractor.  Purpose, Goal is to reuse / recycle 80% of waste.  Has +/- 8 different waste streams: concrete, steel/ metal, timber, plastic/ paper/ cardboard.  Has identification and management of hazardous materials. Also, has tracking of vehicles transporting hazardous materials (take number plates) and they send dockets.  Grasshopper would collect, and segregate waste offsite as required.  Copy of the Plan submitted – as part of the Crown Certificate.  No recent updates (Rev 2).	Compliant
3.15	B28, B29	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: i) location of proposed work zones & haulage routes; iii) construction vehicle access arrangements;	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:	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		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; 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 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. The Contractor must submit a copy of the CTPMP to the	1. CTMP – overarching prepared by RMS  - 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.  New Evidence:  Sighted TCP for Milestone 3 for Trucks to reverse into worksite from Palmerston Road – TCP 084/01 modified.  Sighted VMP 06/12/2019 – Milestone 3, still in place.	



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		B29 – The CTPMP must be implemented by the contractor for the duration of the construction works		
3.16	A15, A16	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)  Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.	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.	Compliant
3.17	B2 C1	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.	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. Plans are available in site office and in Server (G: Drive).  2 REFs SSD Certifications (e.g. Crown Cert) – G: Drive Plans in Aconex.  Certified Plans for Mod 5 submitted to the Certifier via Aconex on	Compliant
			22/04/21 APP-C-VDRCT-000221.	
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.	<ul> <li>PEMP Sec. 4.12.</li> <li>Some are part of safety e.g. Inductions, Toolbox Talks (hard copies, kept in folder in Safety Advisor bookshelf)</li> <li>Inspections, other environmental records – have a folder in shared drive e.g. complaints, waste diversion reports, meeting</li> </ul>	Compliant
			inspections  - Reports – Aconex e.g. EIS, contamination, others within SSD, Drawings  Specific records sighted as per further sections of this checklist.	



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
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	on		
4.1	Operatio	nal 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.	All Aspects identified in the PEMP have Management Strategy and specific actions e.g. Noise controls: - Noise monitoring in specific sensitive points Sedimentation controls:	Compliant
			- Socks around drains - Silt fences	
			Other: - Washout drums - tree protection - waste bins in various locations - Signage, etc.	
4.3	Condition	s 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
4.5	A17	All plant and equipment used on site, or to monitor the	Plant and equipment are managed through 3D Safety app.	
		performance of the development must be:	No vibration monitors are currently installed.	Compliant
		(a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Sighted air monitor outside the site office. A hygienist comes daily to inspect the monitor.	
		(s) operated in a proper and emolent manner.	3D Safety App shows plant maintenance records, e.g.	
			Bobcat S70 SN B38B14387 Latest Plant Service done on 26/03/21 by Glory Plant Service.	
4.6	A19,	Prescribed conditions – Signage:	Signage sighted during site walk complies with this condition. Authorised hours of work are posted in a different site sign.	Compliant
	EPA Reg. CI 98A,	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:	Sighted during site inspection	



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
	C23	<ul> <li>(a) showing the name, address and telephone number of the principal certifying authority for the work;</li> <li>(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;</li> <li>(c) stating that unauthorised entry to the work site is prohibited.</li> <li>Site Notice – to include certifying authority, structural engineer, the approved hours of work.</li> </ul>		
4.7	B3, B4	Reflectivity, Outdoor lighting  The building materials used on the facades of the structure and the all outdoor lighting must comply with requirements of B3 and B4.	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	Compliant
4.8	B5-B8	Hazards – design of oxygen supply The Contractor has ensured that:  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).  B6 All control measures or safeguards described in the Preliminary Hazard Analysis (PHA, 9 February 2018) will be implemented.  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).	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.  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).  Communications are in place when refilling.  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.  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.  No new evidence to review.	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		<b>B8</b> 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.		
4.9	B10	The Contractor has submitted Plans demonstrating compliance with the following requirements for <b>bicycle parking</b> , to the satisfaction of the Certifying Authority:  a) provision of a minimum of 18 bicycle parking spaces; 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 c) provision of end-of-trip facilities for staff including showers, change room and lockers.	The initial design and architectural drawings have been submitted for certification. Part of Crown Certificate No.3. Final design is still in progress, as part of landscaping.  Note: Construction of the bicycle parking will become relevant at the very end of the project and there will be further changes to the design.	Compliant
4.10	B12	Pre-Construction dilapidation reports  Qualified structural engineer to prepare a Pre-Construction Dilapidation Report. Report submitted to the satisfaction of the Certifying Authority & copy to Council.	Email was sent on 19/09/2018 to Planning and Council with dilapidation reports.  - Presented 4 reports:  - Derby – Watpac  - Star and Hope – Structural Engineer (Cardno)  - Cottage 93 – Watpac  - Little Learning School – Structural Eng. 04/09/18  - Photographic report / condition of building  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.  New Evidence:  Aconex Correspondence Watpac to APP and HI 25/05/2021 includes a post-construction dilapidation report for Derby Rd.	Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
4.11	B18	Public Footpath  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	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). Sighted email to Hornsby Council 29/11/19 from Nick Limbrey with summary of agreement – Note.  New Evidence: Per checklist item 3.7, there is correspondence with Council for rectification of footpath after works undertaken by Ausgrid (currently in progress).	Not Triggered
4.12	B19	Stormwater and Drainage Works  Designed in accordance with Council's relevant specifications and standards and other specific requirements.  Water treatment system designed as per Council requirements	Crown Certificate – Hydraulic outside fence – covered by another works conditions (REF determination – approval 004/2018 – 04/04/2018) – Not relevant to this SSD.  For internal stormwater drainage, the design would be approved as part of Crown Certs 1, 2.	Compliant
4.13	B20	On-site Stormwater detention and Water Quality  An on-site stormwater detention system must be designed by a chartered civil engineer and constructed in accordance with the following requirements:  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	Civil Design Certificate (Crown Certificate, Item 4).  The onsite stormwater detention system will be now done as part of Milestone 5 – by 24/11/2021.	Compliant



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		f) not be constructed in a location that would impact upon the visual or recreational amenity of residents.		
4.14	B21	Road Works  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.	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.  Road reinstatement as part of the REF determination, as per checklist item 4.12.  Currently conducting stormwater works on Burdett St – sighted Email from Watpac to Hornsby Council on 19/03/2021 noting that stormwater works along Burdett St. are commencing per Road Opening Permit and approved DWN.  Sighted Road opening permit for Burdette St. Invoice ROPD/39/2021///ROP of 10/03/2021, Receipt 6980799, offline Ref. LC-68382.	Compliant
4.15	B32, B33	Utility Services  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.  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	Has communicated with Telcos, Ausgrid about low power lines.  A new substation is being built. Ausgrid has come to check works progress. Sighted Chamber Substation – Civil Building Handover Certificate 21/02/2020.  Correspondence with Ausgrid indicates that substation will be energised on the 13/07/2020 – sighted network access request No. 58506-T1 from Ausgrid.  Sydney Water has been contacted, sighted copy of the notice of requirements 24/03/2020 – still in progress.  Gas is with the existing Hospital.  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.	Compliant
4.16	B34	External Walls and Cladding  The external walls of all buildings, including additions to existing buildings, must comply with the relevant requirements of the NCC	Final Design has been submitted. Sighted various Certificates for Alcadex, Deco, Finesse, Terracade, etc. Will use composite, non-combustible panels, glass, aluminium. Covered in previous Crown Certificates.	Compliant



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			New Evidence:	
			Sighted Façade Installation Certificate from Foxville 29/03/2021 for Milestone 3.	
			For the rest of the main buildings have Certificate from 13/01/2021.	
4.17	B42	Tree Protection	Have a report from Moore Trees – provided a Tree Protection Plan	Compliant
		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.	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).	
	B45	Certification from the arborist required.	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.	
			Arboricultural Development Assessment Report from Oct 2017 updated 18 June 2018.	
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 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	Sighted trees with protection during site walk (Palmerston Road).	Compliant
		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.		
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	Compliant



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			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.	
4.21	Condition	s 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 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.)	7am – 6pm weekdays – usually end at 4pm 8am – 1pm Saturday No work on Sundays or Public Holidays. No extended hours are required for now. Has maintained same working hours. There was a notice sent to residents regarding out of hours works on 12-14 December 2020. No recent changes.	Compliant
4.23	B14	Construction Noise Management  Contractor must incorporate all relevant noise mitigation recommendations in the letter Hornsby Ku-ring-gai Hospital Stage 2 Redevelopment - Response to Planning NSW Queries 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 the weekly inspections, where noise levels are monitored.  Sighted Environmental Inspection Checklist C-FRM-016 for:  - 31/05/21 Tunnel MSA area – 61.9Dba  - 25/05/21 Derby Rd and Palmerston Rd – 60.7 & 60. 3 Dba  Max readings: 45DBa at church; 60Dba on Palmerston, etc.  Will commence noisy works (drilling on slab), for which there are measures to consider, e.g.  - Community consultation  - Respite periods (restricted times per the CNVMP)  - Stop every 15 mins	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	Compliant



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			Noise monitoring readings continue in place. Checked during weekly environmental inspections at the nominated monitoring points.	
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	There is a specific area for construction vehicles to park to bring materials or load with waste. Vehicles only scheduled during working hours.	Compliant
		condition C2.	Noise complaint was received from resident on Palmerston Rd. on 9/03/2021 for truck arriving to site at 5am.  The issue was addressed by contacting the contractor and reminding of the construction hours.  Note: Contractor to ensure construction vehicles arrive to site only within authorised working hours.	
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. No noisy works currently taking place, but this will be considered during the upcoming noisy works (slab demolition)	Compliant
4.28	C8	Wherever practical, and where sensitive receivers may be affected, piling activities are completed using bored piles	Done, as per checklist item 4.24.	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	Noise monitoring devices in place, used in nominated locations.	Compliant



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		Protection of the Environment Operations Act 1997 or exceed approved noise limits for the Subject Site	75 – 80 dB(A) as per Noise & Vibration Management Plan, no more than 15min.  Presented map with sensitive receivers and showing noise monitoring locations. Evidence of noise monitoring noted as part of environmental inspections.  No exceedances as per inspections.	
4.31	C11	Vibration Criteria	Criteria to work to: 1mm/s.	Compliant
		Vibration caused by construction works to meet the established limitations.	Works now are taking place further away from sensitive areas (e.g. medical imaging) and not expected to generate a lot of vibration.	
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.	Compliant
4.33	B17	Storage and Handling of Waste (end product) 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.	Loading dock is the area being used for the waste storage and Grasshopper pick up the bins every 2 days.  Waste gets segregated offsite, sighted inspection report 21/5/19 showing the process for segregation at Eastern Creek.  Truck routes with EPL number sighted from Bingo, Auburn EPL No. 10935 and KLF Recycling, Asquith EPL No. 20582.  Tipping and Greenstar report 17/08/2018.  Acceptance letter for Genesis Landfill & recycle centre 9/3/2018.  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.	Compliant
4.34	C15	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.	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.  Truck routes with EPL number sighted from Bingo, Auburn EPL No. 10935 and KLF Recycling, Asquith EPL No. 20582.  Dust suppression being used for demolition – sighted during site inspection.	Compliant



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			Street Sweeper comes regularly, in particular at Gate 4, to clean after vehicles have been in and out of the site. Sighted docket No. 101975 from P&M Galea Plant Hire dated 27/05/21 for Delta, for street sweeper sent to Derby Rd Hornsby (4 hours).	
			No complaints have been received for dirty roads.	
			Traffic Controllers sweep the area as well	
4.35	C16	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 of artificial watercourse.	Sighted concrete washout bay during site walk.	Compliant
4.36	C34	Excavated Material All excavated material removed from the site must be	There was no excavated material as part of the current works onsite. Asbestos material as a result of demo was removed.	Compliant
		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	Sighted asbestos assessment completed by Douglas Partners 28/9/19 and Asbestos Removal Control Plan dated 25/11/19 (Issue 1) by ASP Australia.	
		approved waste management facility.	New evidence:	
			Engaged Douglas Partners to prepare a report for all excavated material – Area 1.	
			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).	
			New Evidence:	
			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.	
			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.	
4.37	C36	Trade Waste 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.	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.	Compliant



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			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.  Nothing since 2020.	
4.38	C21	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	Approval letter from Hornsby Shire Council for the 'Work Zone' 5/6/18 – applied on 29/05/18. Ref No. F2004/09773. Vehicles load and unload within the site, the works zone is more for vehicles waiting, as necessary. There is currently no need to have vehicles outside the worksite. No parking of vehicles outside the site.	Compliant
4.39	C22	Demolition 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:  - 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	Demolition works (structural) started as part Milestone 3 in April 2020, demolition of building 2.  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.  Certificate of analysis done by Douglas Partners 25/3/2020.  Has sent notification to SafeWork NSW "Notice of intention to remove asbestos" – for 1, 2, 13 & 43, dated 12/11/20.  New Evidence:  Sighted Certificate EHO Consulting dated 27/05/21 for Building 1 and 2 – led paint removal, all results are within the limits.  Sighted Clearance Inspection Certificate EHO Consulting dated 17/05/21 for Building 1 and 2 – removal of asbestos.  Sighted Greenstar Report N8339 for 1/09/2020 to 31/05/2021 by Delta Group – notes average loads taken per day & total tonnage.  Delta would use licenced contractors for removal of waste.  Has EPA Licence No. 4608 – Anniversary date 1-April for waste disposal.	Not Triggered
4.40	B11, C19	Erosion and Sediment Control	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	Compliant



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		Soil erosion and sediment control measures must be designed in accordance with Blue Book & approved by	been reviewed 21/08/2019 and sighted the new revision issued 24/06/2020. Has periodic inspections with TTW.	
		certifying authority.  Control measures to be effectively implemented and maintained for the duration of the works.	C19. ErSed Controls were observed during site visit, e.g. geofabric in drains close to works area. Site is self-contained.	
4.41	C20	Disposal of Seepage and Stormwater  Not to be pumped to the street stormwater system unless approved	Wastewater is tested. Sighted Water Meter Report Card for control of water quality, reading on 18/9/19, turbidity, pH within limits. Ok to discharge.  No disposal of seepage or stormwater has been required in the last six months.	Compliant
4.42	C12, C13	Contamination  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.  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	Demolition of Building 2 (structural) started in April 2020. Remediation works records sighted as part of the asbestos records.  Sighted Remediation Action Plan 18 May 2020 (Rev.2 - amended) from Douglas Partners, to include Building 2 for the sub-floor.  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.  New evidence:  Evidence sighted for remediation works (See item 4.39, C22).  Sighted EHO Group Clearance Inspection for unexpected find – dated 4/05/2021 Building 13 Report No. RN 07297.	Compliant
4.43	C17	Handling of Asbestos The Applicant is to consult with SafeWork NSW concerning the handling of any asbestos waste that may be encountered during construction	Has sent notification to SafeWork NSW "Notice of intention to remove asbestos" – for 1, 2, 13 & 43, dated 12/11/20. Will commence removal works soon.  New Evidence:  Notice of intent to commence demolition works, 24/05/2021 to SafeWork NSW for Demolition of cottages and other structures. Licence details:  - Licence 210968	Compliant



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			- Licence holder ASP Pty Ltd - Class A/ASA/ Class B/ASB - Proposed start date 17/11/2020 - Proposed finish date 31/08/2021	
4.44	C18	Unexpected Finds - <b>Non-Aboriginal Heritage</b> 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 will be 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 permitter of the site. Condition monitored daily. No issues identified during the site walk.  Fencing in accordance with the areas recently handed over e.g. former main entry (building 1) and buildings 2, 13, 43.  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 bunded area	Sighted Hazardous Chemicals register S08-04-10.01 with oxygen compressed from Sparten Steel expiry date 27/06/2022.  Other flammable liquids were bunded and diesel containers in place. Spill kits available on site. <b>Note:</b> Watpac to ensure that spills kits are accessible at all times with no obstructions around them.  A large bin was sighted during site walk which belonged to Delta, they had a locked hazardous materials cabinet.	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. TMP prepared by RTMS (staff blue card).  Will submit plans as required, e.g. Traffic control Plans have been approved for the new access on Palmerston Road. RTMS is the Traffic Management Contractor. Sighted email correspondence between RTMS and Council (10/12/19 & email trail below) regarding	Compliant



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			permit approval. Sighted Hornsby Shire Council Permit Ref. CLOSE/17/2019 of 9 December 2019.	
			TMPs have been developed for access to buildings 13 and 43 - sighted. Also another showing access for Milestone 3 & Emergency Dept car park.	
			Plans were prepared by OTMS Roads and Traffic Management Services.	
			Traffic control Plans and VMPs sighted (part B).	
4.49	Emerger	ncy preparedness and response (8.2)		
4.50	8.2; B7	The Contractor has established procedures to:     identify potential emergency situations and potential accidents that can have an impact(s) on the	Have an Emergency Response Plan Rev.6 of 13/11/19 signed by the PM. Includes different scenarios of safety and environmental emergencies. Have flowcharts for:	Compliant
		environment	- Notifications; - Injuries; - Evacuation; - Medical emergencies;	
		- determine how it will respond to them	- Fire	
			Sighted Emergency Response Plan Rev 12 of 25/05/2021 – updated with site layout changes.	
			New evidence:	
			On Friday 28/05/21 there was an evacuation drill, to make staff aware of the new site layout, which has changed recently (after Milestone 3 handover).	
			Sighted toolbox Emergency Review and Test Record of 28/05/21 from 9:06 to 9:12am	
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.  Sighted Emergency evac plans for the different areas, e.g. level 0, level 1, etc. – Dated 3/12/2020  Sighted Toolbox talk for awareness of evac plans.	Compliant



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			Sighted Fire warden training conducted by Pinnacle on 22/10/20 – e.g. for Aurelie Bolle. – Module: Operate as part of an emergency control organisation.	
5.0	Perform	ance Evaluation (9.0)		
5.1	Monitorii	ng 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.	Compliant
			Sighted examples of Environmental Inspection Checklist C-FRM-016 for 31/05/21 and 25/05/21.	
			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).	
5.3	9.1.1	The procedures include:	Monitoring is documented in the PEMP.  Effectiveness to be assessed when preparing Performance Report for Planning. Conformity with environmental objectives and targets assessed.  Monthly reports are prepared by Watpac and submitted for PCG, e.g. sighted "Contractors Monthly Report" for April 2021. Section 8 has summary of environmental results.	Compliant
5.4	9.1.1	Monitoring and measuring equipment is calibrated, maintained and stored as necessary. Records or calibration are maintained	Noise monitor self-calibrates – gets a new device each year.  No vibration monitors required for this period.  Sighted air monitors during site walk. These are controlled by EHO Consulting – e.g. sighted report for 22/05/21 – no exceedances.  Sighted calibration records, e.g.  - 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.	Compliant



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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.	Environmental monitoring, e.g. Independent Environmental Audits (by AQUAS) – as per SSD Conditions B39, B40; Environmental inspections.  Last internal audit carried out by Watpac on 18/06/19 by Quality Manager, no other audits so far.	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
5.7	B37, B38, C30	>Construction Compliance Reports must be submitted to the Department at <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> 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.  >The Construction Compliance Reports must include:  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;	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.  Report includes:  - 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  Sighted Construction Compliance Report covering period of Sep 2020 to Feb 2021, Version 0.1, 31/03/2021, including the latest AQUAS Independent Environmental Audit Report. This was submitted by APP to HI per email "RE: SSD 8647 Construction Compliance Report (Draft) dated 31/03/2021.  However, submission to DPIE by HI was completed on 01/06/2021 – per email from the Planning Portal to HI (R. Mitchell) with notification of Post Approval Document Received and Post-Approval Document attached. The date of this submission is after the period required under Consent Condition B37. Non-Compliance-01	Non- Compliant



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		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.		
5.8	B39, B40, B41	Independent Environmental Audit  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.  The scope of each audit must be defined in the program. The program must ensure that environmental performance of the development in relation to each compliance requirement that forms the audit scope is assessed at least once in each audit cycle.  The environmental audit program prepared and submitted to the Secretary must be implemented and complied with for the duration of the development.  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:  a. assesses the environmental performance of the development, and its effects on the surrounding environment including the community;  b. assesses whether the development is complying with the terms of this consent;  c. reviews the adequacy of any document required under this consent; and  d. recommends measures or actions to improve the environmental performance of the development, and improvements to any document required under this consent.  Nithin 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	Environmental Audits conducted by AQUAS in September 2018, January, June and December 2019, as per the Audit Program submitted to the client.  Presented confirmation of receipt of the August 2019 to February 2020 Construction Compliance Report by DPIE on the 7/4/2020, which included submission of the December 2020 Audit Report.  Notification was sent to HI on 12/2/2020 with a copy of the audit report for Dec 2019.  Report for Environmental audit conducted by AQUAS in June 2020 was submitted with the latest Compliance Report on 17 September 2020.  Last independent environmental audit was conducted in December 2020. The Audit report dated 27/01/2021 was submitted by HI to DPIE with the latest Compliance Report on 01/06/2021. This is outside the 3-month period from the conduct of the audit, as per Consent Condition B41. Non-Compliance-01	Non- Compliant



Item	Part	Audit Criteria	Documentation Reference	Compliance Rating
		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		
5.9	C27	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:  a) make the following information and documents (as they are prepared, obtained or approved) publicly available on its website:  i. the documents referred to in condition A2 of this consent;  ii. all current statutory approvals for the development;  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  b) keep such information up to date, to the satisfaction of the Secretary.	Information has been published to Infrastructure and NSLHD webpages.  HI website includes a copy of the Compliance report for Feb 2020; However, no monitoring results/records have been published.  Opportunity for Improvement from previous audit is not yet closed.  Sighted in HI website for the HKH2 project – all information was found up to date.	Compliant



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		<b>Note</b> : This condition does not require any confidential information to be made available to the public.		
5.10	Internal	Audit (9.2)		
5.11	9.2	The Contractor has ensured that internal audits of the EMS are conducted at planned intervals to determine:  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	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".	Compliant
5.12	Manage	ment Review (9.3)		
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	Improve	ement (10.0)		
6.1	Nonconf	formity, corrective and preventive action (10.2)		
6.2	10.2	Procedures are in place for:  a. identifying and correcting nonconformities and taking actions to mitigate their environmental impacts  b. investigating nonconformities, determining their causes and taking actions in order to avoid their recurrence  c. evaluating the need for actions to prevent nonconformities or avoid their occurrence  d. recording the results of corrective and preventive actions taken  e. 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



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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 <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> 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.	Not Triggered. No non-compliances identified so far that need to be notified.	Not Triggered
6.6	Complai	nts Management		
6.7	B30	Complaints and enquiries procedure	Have a Complaints Register.	Compliant
		The following must be made available for community enquiries and complaints for the duration of construction:	24-hour number and email address available in signage at worksite entrance.	
		<ul> <li>a) a toll-free 24-hour number for complaints and enquiries about the works;</li> <li>b) a postal address to which written complaints and enquires may be sent; and</li> <li>c) an email address to which electronic complaints and enquiries may be transmitted.</li> </ul>		
6.8	B31	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.	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. Has this been reviewed vs KPIs (environmental objectives)?	Compliant
		d) number of complaints received; e) number of people affected in relation to a complaint;	Only one complaint has been received since the last audit. 9/03/2021 – Grasshopper truck turning up out of hours. The	



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		f) nature of the complaint and means by which the complaint was addressed and whether resolution was reached, with or without mediation.	complaint was addressed by communicating with the supplier and providing a reminder of the project working hours.	
6.9	Incident	Management		
6.10	A23, C28	The Department must be notified in writing to <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> 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.	Not Triggered. No notifiable environmental incidents have been reported.	Not Triggered
6.11	A24	<ul> <li>a) A written incident notification must also be emailed to the Department at the following address:     <ul> <li>compliance@planning.nsw.gov.au</li> <li>within seven days after the Applicant becomes aware of an incident.</li> </ul> </li> <li>Notification is required to be given under this condition even if the Applicant forms the view that an incident has not occurred.</li> <li>b) Written notification of an incident must: <ul> <li>i) identify the development and application number;</li> <li>ii) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident);</li> <li>iii) identify how the incident was detected;</li> <li>iv) identify when the Applicant became aware of the incident;</li> <li>v) identify any actual or potential non-compliance with conditions of consent;</li> <li>vi) describe what immediate steps were taken in relation to the incident;</li> <li>vii) identify further action(s) that will be taken in relation to the incident; and</li> <li>viii) identify a project contact for further communication regarding the incident.</li> </ul> </li> </ul>	As above.	Not Triggered



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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