

# TWEED VALLEY HOSPITAL - STAGE 2 PRELIMINARY FLOOD EMERGENCY RESPONSE PLAN

20/09/2019 | ISSUE No: 9.0



Plan Revision Status

Date	Revision (in numbers)	Purpose and Summary of Amendments	Reviewed by	Approved by
05/02/2019	2.0	Initial FERP	LB	Luis Biaggini
24/04/2019	3.0	Update for SSD and TSA Requirements	JT	Luis Biaggini
09/05/2019	4.0	SSD Specific and HI Comments	Monique Windley	Luis Biaggini
16/06/2019	5.0	SSD Final Issue	Monique Windley	Luis Biaggini
27/06/2019	6.0	Flood Specialist Feedback Input	Monique Windley	Luis Biaggini
16/08/2019	7.0	SSD Stage 2 Specific and Client Feedback	Monique Windley	Devin Miller
12/09/2019	8.0	Site Plan Update	Monique Windley	Devin Miller
20/09/19	9.0	EIS Submission Finalisation	Monique Windley	Devin Miller

\*Note that all printed paper/hard copies of this document and related procedures are uncontrolled. The controlled copy of this document is found either in Project Web, within the Project Management Plan section, or other project specific database/server approved by the Regional EHS Manager.

State Significant Development Conditions

**B34. The Stage 2 application must be accompanied by;**

**(a) an Emergency Flood Evacuation Management Plan for the users of the Site, in case of a major flood event in the region;**

Flood Emergency Response Plan in its entirety.

## INTRODUCTION

On the 11 June 2019 the Minister for Planning and Public Spaces granted approval for the Concept Proposal and Stage 1 Early and Enabling Works for the new Tweed Valley Hospital (SSD 9575) located at 771 Cudgen Road, Cudgen (Lot 11 DP1246853). All documents relating to this consent can be found on the major project website of DPIE at <https://www.planningportal.nsw.gov.au/major-projects/project/10756>.

The Environmental Impact Statement (EIS) has been prepared to assist in the State Significant Development (SSD) Stage 2 Application for the Tweed Valley Hospital which will be assessed under Part 4 Division 4.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). This, along with supporting documentation, provides a clear outline of the Stage 2 Application.

The Tweed Valley Hospital Project broadly consists of:

- Construction of a new Level 5 major regional referral hospital to provide the health services required to meet the needs of the growing population of the Tweed-Byron region (in conjunction with the other hospitals and community health facilities across the region);
- Delivery of the supporting infrastructure required for the Tweed Valley Hospital, including green space and other amenities, roads and car parking, external road upgrades and connections, utilities connections, and other supporting infrastructure.

### Stage 2 Hospital Main Works and Operation

The Stage 2 SSD component seeks consent for the Main Works and Operation of the Tweed Valley Hospital, including:

- **Construction of Main Hospital Building**
  - Main entry and retail area
  - Administration
  - Community health
  - In-Patient units
  - Outpatient clinics and day only units
  - Child and Adolescent Services
  - Intensive Care Unit
  - Mental Health Unit
  - Maternity Unit and Birthing Suites
  - Renal Dialysis
  - Pathology
  - Pharmacy
  - Radiation Oncology as part of integrated Cancer Care
  - Emergency Department
  - Perioperative Services
  - Interventional Cardiology
  - Medical Imaging
  - Mortuary
  - Education, Training, Research
- Back of House services
- Rooftop Helipad
- **Construction of Support Buildings, referred to as the 'Health Hub', containing:**
  - Oral Health
  - Community Health
  - Aboriginal Health
  - Administration
  - Education, Training and Research
- **Internal Roads and carparking, including multi-deck parking for staff, patients and visitors;**
- **Construction of a temporary building for the 'Tweed Valley Skills Centre'**
- **External road infrastructure upgrades and main site access**
- **Environmental and wetland rehabilitation, including rehabilitation of existing farm dam as outlined in the Biodiversity Development Assessment Report (BDAR) prepared for the Concept Proposal and Stage 1 works**
- **Site landscaping**
- **Signage**
- **Utility and service works**

The works outlined above comprise five key components, which are subject to various funding allocations and may be delivered independently to each other. Stage 2 has therefore been defined in the following sub-stages<sup>1</sup>:

- Stage 2A – Main Hospital Building complete with supporting roads, services infrastructure and landscaping
- Stage 2B – Main Hospital Building incremental expansion areas
- Stage 2C – Health Hub
- Stage 2D – Tweed Valley Skills Centre
- Stage 2E – Multi-deck car park.

Development consent is sought for the all 5 components of Stage 2 under this SSDA.

Plans for Stage 2 Main Works and Operation are attached in Appendix B of the EIS. Approval of Stage 2 will enable the new Tweed Valley Hospital to be built which will provide a much-needed contemporary health service facilities for the surrounding region.

#### Potential Future Expansions

Any subsequent stages or modifications to the proposal would be subject to separate applications as required including the potential future expansion of the facility.

---

<sup>1</sup> Stages are not listed in chronological order and may be delivered independently to each other

## TABLE OF CONTENTS

INTRODUCTION .....	4
1.0 ABOUT THE PLAN.....	7
2.0 SCOPE .....	7
3.0 RELATED DOCUMENTS.....	7
4.0 DEFINITIONS.....	7
5.0 PROTECTION PRIORITIES .....	7
6.0 EMERGENCY RESPONSE .....	8
7.0 RESPONSIBILITIES.....	8
8.0 TRAINING .....	8
9.0 PERIODIC DRILLS.....	8
10.0 EMERGENCY CONTACT NUMBERS.....	9
11.0 EVACUATION DIAGRAM, ROUTES AND ASSEMBLY AREAS.....	9
12.0 EMERGENCY EQUIPMENT AND FIRST AID LOCATIONS.....	9
13.0 ACTIVATION OF THIS PLAN .....	9
14.0 TERMINATION OF AN EMERGENCY .....	10
15.0 NOTIFICATION TO EXTERNAL AUTHORITIES.....	10
16.0 PERSONAL EMERGENCY EVACUATION PLAN.....	10
17.0 LOG OF EVENTS.....	10
18.0 ACTION SUMMARY.....	11
19.0 EMERGENCY SCENARIOS RESPONSE .....	12
APPENDIX TWO – EMERGENCY CONTACT NUMBERS .....	16
APPENDIX FOUR – FIRST AID RISK ASSESSMENT.....	18
APPENDIX SIX – LOG OF EVENTS.....	20
APPENDIX SEVEN – TWEED SHIRE COUNCIL EMERGENCY DASHBOARD.....	21

## 1.0 ABOUT THE PLAN

This Flood Emergency Response Plan (FERP) outlines the general requirements for initiating an emergency response that could occur because of a workplace incident, condition, external threat or natural causes. This plan also outlines the subsequent management and communications response planned for any potential and actual emergencies which may occur on or impact this Project/Workplace.

## 2.0 SCOPE

This FERP applies to all personnel at the workplace identified above including all employees, contractors, visitors or other workers.

## 3.0 RELATED DOCUMENTS

- Background documents that support the detail outlined in this Flood Emergency Response Plan are: Emergency Response Procedure
- Emergency Call Ambulance Poster
- Evacuation / Emergency Drill Evaluation form
- Emergency Planning Committee Charter
- AS3745 Planning for Emergencies in Facilities
- First Aid in the Workplace – Code of Practice (Safe Work Australia)
- First aid facilities and services; Workplace amenities and facilities; Personal protective clothing – Code of Practice (Worksafe WA)
- First Aid in the Workplace – Compliance Code (WorkCover Victoria)
- Floodplain Risk Management Guideline

## 4.0 DEFINITIONS

### Emergency Control Organisation (ECO)

Workplace Manager and nominated representative(s) responsible to direct and control the implementation of the Flood Emergency Response Plan.

### Emergency Response Team (ERT)

Specialist personnel appointed to attend specific incidents, to contain, control or eliminate the emergency using emergency response equipment, e.g. fire brigade, ambulance service or paramedic.

### Emergency Planning Committee (EPC)

HOSF persons responsible for the documentation and maintenance of the pro-forma emergency plan.

### HOSF

Means the EHS Head Office Service Function located within the LLB head office.

### Workplace Manager

Means Construction Manager (construction site), Project Manager, General Manager, Practice Manager or any other workplace or department specific manager of Lendlease Building with the responsibility for day-to-day management or control of a workplace(s).

## 5.0 PROTECTION PRIORITIES

Lendlease have the following protection priorities in the event of an emergency:

- Safety of People; then

- Protection of the Environment; and finally
- Safeguarding of commercial considerations

## 6.0 EMERGENCY RESPONSE

Lendlease has a Flood Emergency Response Plan and a nominated Emergency Control Organisation Leader at each of its workplaces. The primary role of the workplace ECO Leader is to direct and control the implementation of the Flood Emergency Response Plan and render personnel and facilities safe by the application of local resources and liaison with the Emergency Response Team, i.e. external emergency services.

The initial response to an emergency and the implementation of the Flood Emergency Response Plan may include the following actions:

- R Remove** workers from immediate danger (if safe to do so)
- A** Raise the **Alarm** by contacting appropriate emergency services advising the nature, status and exact location of the incident/condition/external threat and advise what action has been taken or is underway
- C Contain** the incident and its effects and make the area safe – preserve the scene for investigation; and
- E Evacuate** workers if required and undertake a head count

## 7.0 RESPONSIBILITIES

Various sections of this FERP detail roles and responsibilities allocated to specific position holders for different activities to be undertaken at a specific time or in response to specific events. Principal responsibilities are as follows:

Role	Responsible Person
Emergency Planning Committee (EPC)	Chaired and managed by HOSF
Emergency Control Organisation (ECO)	Chaired and managed by the Workplace Manager
Emergency Response Team (ERT)	Emergency Services e.g. fire brigade, ambulance service or paramedic.

## 8.0 TRAINING

Training requirements for members of the ECO listed in Appendix One shall be reviewed by the Workplace Manager when this plan is first established and thereafter at maximum 12 monthly intervals for offices and plant yards and maximum 6 monthly intervals for construction projects using the LLB Learning and Development Training Matrix. The Workplace Manager is responsible for ensuring that the ECO members are competent to fulfil their appointed ECO roles related to the direction and control of the implementation of the Flood Emergency Response Plan

## 9.0 PERIODIC DRILLS

This FERP shall be tested to determine its effectiveness at maximum 12 monthly intervals for offices and plant yards and maximum 6 monthly intervals for construction projects. Each emergency exercise shall:

- Test emergency preparedness and response to a predetermined scenario that has been identified in this plan including at least one environmental scenario every 24 months during the life of a

construction project or occupancy of the asset.

- Include a documented description of the scenario which is communicated to all emergency exercise participants
- Include a documented review of learnings and actions post exercise which is communicated to all emergency exercise participants by completing the LLB Evacuation/Emergency Drill Evaluation Form or equivalent where the exercise is managed by a 3<sup>rd</sup> party.

## 10.0 EMERGENCY CONTACT NUMBERS

Emergency contact numbers are listed in Appendix Two of this FERP and must be displayed in prominent locations at this Project/Workplace.

## 11.0 EVACUATION DIAGRAM, ROUTES AND ASSEMBLY AREAS

An emergency Evacuation Diagram that complies with AS3745 must be displayed in prominent locations where workers and visitors can view the diagram. A copy of this Evacuation Diagram is contained in [Appendix Three](#) of this FERP.

Evacuation Diagrams shall be reviewed at maximum monthly intervals for all construction workplaces and updated to reflect any change. Evacuation Diagrams shall comply with the Evacuation Diagram Checklist contained in Appendix 3.

## 12.0 EMERGENCY EQUIPMENT AND FIRST AID LOCATIONS

An Emergency Equipment Diagram that details the location of fire-fighting and spill response equipment plus first aid facilities shall be displayed in prominent locations where workers and visitors can view the diagram. A copy of this diagram is contained in [Appendix Four](#) of this FERP.

At the discretion of the ECO Team Leader, the emergency Evacuation Diagram and Emergency Equipment Diagram may be combined.

A First Aid Risk Assessment shall be conducted upon commencement of works at the workplace and reviewed at maximum 3 monthly intervals for construction projects and where material changes occur at offices or plant yards using the pro-forma included in Appendix Six. This risk assessment will assist in determining the requirements for first aid facilities and the number of competent first aiders to be provided at the workplace.

The inspection and testing of first aid facilities and equipment shall be undertaken as outlined in Section 19.

## 13.0 ACTIVATION OF THIS PLAN

This plan may be activated by:

- A member of the ECO at any time
- The sounding of the workplace emergency siren
- The advent of an emergency of the kind identified within this plan

In deciding whether to notify the Lendlease Building Crisis Management Team, the site ECO Team Leader must consider the following:

1. Is external help required beyond project/workplace resources e.g. emergency services?
2. Could the public image of the Company be affected?
3. Could the incident impact on the Company's business or relationship with clients or government?

4. Could the incident have a major adverse impact on the environment?

**If the answer to any of the above is “YES” then the requirements of the Lendlease Building Australia Crisis Management Handbook should be followed.**

The decision of whether to activate the Lendlease Crisis Management Plan is the responsibility of the Lendlease Building ECO Leader.

#### 14.0 TERMINATION OF AN EMERGENCY

An emergency may be terminated by one of the following:

- By the ECO Team Leader; or
- By the Emergency Response Team Leader; e.g. Fire Brigade Commander
- If the emergency has been escalated to LLB Crisis Management Team, by the LLB Crisis Management Team.

#### 15.0 NOTIFICATION TO EXTERNAL AUTHORITIES

Formal notification to external authorities / regulators (other than emergency services) must be timely and undertaken by the ECO Team Leader after consultation with the relevant Regional EHS Manager and/or Head of EHS.

#### 16.0 PERSONAL EMERGENCY EVACUATION PLAN

The ECO is responsible for developing, implementing and testing at regular intervals, Personal Emergency Evacuation Plan(s) (PEEPs) for people identified at the workplace with disabilities. These plans are attached where applicable at Appendix Five.

#### 17.0 LOG OF EVENTS

The ECO Team Leader shall be responsible for appointing a Communications Officer who shall be responsible for completing the log of events during an emergency as contained in Appendix Seven.

This log shall be used to recording the following events:

- Time emergency was declared
- Time 000 call made to emergency services
- Time head count of workers at evacuation assembly point was finalised
- Time emergency services arrived at the workplace
- Time and detail when incident control was handed over to emergency services
- Time and detail of incoming calls from emergency services, LLB, client and other 3<sup>rd</sup> parties
- Time and detail of all outgoing calls to emergency services, LLB, client and other third parties
- Time and detail when Regulators attended the workplace
- Time and detail when union or other third parties attended the workplace
- Other actions taken relevant to the emergency scenario
- Time and details when emergency services handed back the workplace or incident control
- Time the emergency was terminated

## 18.0 ACTION SUMMARY

The ECO Team Leader is responsible for ensuring the following actions are undertaken in line within the designated timeframe:

Action Required	Other	Monthly	Quarterly	6 Monthly	Annually
Review this plan (as per requirements of Project/workplace EHS Management Plan)			<input checked="" type="checkbox"/>		
Emergency Control Organisation Member Training Needs Analysis Offices/Plant Yards					<input checked="" type="checkbox"/>
Emergency Control Organisation Member Training Needs Analysis Construction Projects				<input checked="" type="checkbox"/>	
Conduct emergency scenario drills Offices/Plant Yards					<input checked="" type="checkbox"/>
Conduct emergency scenario drills Construction Projects				<input checked="" type="checkbox"/>	
Review and update Evacuation Diagram, Routes and Assembly Areas Offices/Plant Yards					<input checked="" type="checkbox"/>
Review and update Evacuation Diagram, Routes and Assembly Areas Construction Projects		<input checked="" type="checkbox"/>			
Review First Aid Risk Assessment Construction Projects			<input checked="" type="checkbox"/>		
Routine Check of Evacuation Alarm/Siren (minimum requirement)		<input checked="" type="checkbox"/>			
Check of Evacuation Alarm/Siren after relocation, repair or the like	<input checked="" type="checkbox"/>				
Check Nurse Call system (minimum requirement)		<input checked="" type="checkbox"/>			
Check fire-fighting equipment	Refer to EHS Management Plan				
Weekly Cyclone Checklist	Required weekly during cyclone season by Projects/Workplaces situated within cyclone affected regions (refer Cyclone Plan section 20)				

19.0 EMERGENCY SCENARIOS RESPONSE

**Flooding**

<p><b>PLANNING</b></p>	<ul style="list-style-type: none"> <li>▪ Contact the local council / shire and confirm flooding risk and planning requirements Check Geoscience Australia website: <a href="http://www.ga.gov.au/flood-study-web/#/searchApp/searchBasic">http://www.ga.gov.au/flood-study-web/#/searchApp/searchBasic</a></li> <li>▪ Download the flooding planning guide appropriate to your region/state and implement requirements</li> <li>▪ Ensure flood response materials are available for immediate use e.g. sand and sandbags, plastic sheeting, loudhailer first aid kit</li> <li>▪ Ensure all workers are briefed on flooding risk during workplace inductions and at other appropriate times</li> <li>▪ Subscribe to the National Alert System: <a href="http://www.emergencyalert.gov.au/">http://www.emergencyalert.gov.au/</a></li> <li>▪ Ensure the dangerous goods and hazardous materials register is up to date and all storage is in non-flood prone areas</li> <li>▪ Ensure the workplace can be effectively secured from intruders if abandoned during a flood event</li> <li>▪ Ensure all IT systems are backed up regularly to off-site servers</li> <li>▪ Ensure all isolation points for water, electricity and gas are communicated to all ECO members and included on the Evacuation Diagram or Emergency Equipment Diagram</li> <li>▪ Gather and reviewing background information of the location of the site – refer to Appendix B Flood Assessment</li> <li>▪ Determining and assessing the waterway entrance type to site which will lead to the appropriate modelling approach used for determining an ocean water level boundary condition.</li> <li>▪ Establish a methodology to determine ocean boundary conditions.</li> <li>▪ Create relative timing of catchment flooding and oceanic inundation.</li> <li>▪ Determination of design flood levels – refer to Appendix A</li> <li>▪ Conduct sensitivity testing for key flood events.</li> <li>▪ Testing the implications of sea level rise on the location of the site.</li> </ul>
<p><b>NOTIFICATION AND WARNING</b></p>	<ul style="list-style-type: none"> <li>▪ Site staff are to subscribe to the Bureau of Meteorology (BoM) for regular updates on weather events.</li> <li>▪ EHS Regional Managers sends alerts to Site Manager and Safety Committee organised to address actions required.</li> <li>▪ Site Manager is to perform daily checks on BoM and State Emergency Services (SES) – New South Wales</li> <li>▪ Notification and Warnings to be included in Daily Builders Briefs to all Construction Workers</li> <li>▪ Refer to Appendix 7</li> </ul>
<p><b>PROJECT SITE ACCESS</b></p>	<ul style="list-style-type: none"> <li>▪ The Flood and Coastal Assessment for the Tweed Valley Hospital site – prepared by BMT, identified that there are local access points off Cudgen Road that are flood free in events up to the PMF event.</li> <li>▪ Cudgen Road connects for other roads that are impacted (refer to map below for roads that affected during 5% and 1% AEP events.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ The M1 and Tweed Coast Road are inundated during the 5% AEP event, and broadly similar flood inundation pattern and predicted locations of road closures during 1%.</li> <li>▪ Southern coastal populations can access to site in this eventuality via Casuarina Way/Tweed Coast Road, or via M1/Clothiers Creek Road/Farrants Road/Eviron Road/Duranbah Road and Cudgen Road.</li> <li>▪ TMR have confirmed that the flood prone areas (M1 near Exit 87 and 82) are subject to current upgrade projects which may improve their existing flood immunity.</li> <li>▪ Northern Living Workers would be advised to leave prior to flood event.</li> <li>▪ Refer to Appendix 9</li> <li>▪ Road Conditions can also be determined from RTA Live Traffic Info for access to and from the site during flood events</li> </ul>
<p><b>OBEY INSTRUCTIONS</b></p>	<ul style="list-style-type: none"> <li>▪ Do exactly as you are advised via the National Alert System</li> <li>▪ Follow <b>Evacuation</b> guidelines as outlined in this FERP.</li> <li>▪ Assembly points and evacuation routes – Refer to Appendix C</li> <li>▪ Isolate all services when leaving site</li> <li>▪ Eliminate unnecessary travel</li> </ul>
<p><b>TRAINING AND AWARENESS</b></p>	<ul style="list-style-type: none"> <li>▪ Flood Training is included within the Tweed Valley Hospital Induction Presentation for all employees and sub-contractors.</li> <li>▪ Presentation includes the likelihood of the site flooding, assembly points and evacuation procedure if required.</li> </ul>

For further information:

<http://www.abc.net.au/news/emergency/>  
<http://www.abc.net.au/radio/frequency-finder/>  
<https://www.environment.nsw.gov.au/>

<p><b>OTHER WORKPLACE SPECIFIC</b></p>	<ul style="list-style-type: none"> <li>▪ Refer to Figures below for Mapping Models and affected roads in 1% and 5% AEP events.</li> </ul>
--	---

APPENDIX ONE – EMERGENCY CONTROL ORGANISATION (ECO)  
RESPONSIBILITIES AND MEMBERSHIP

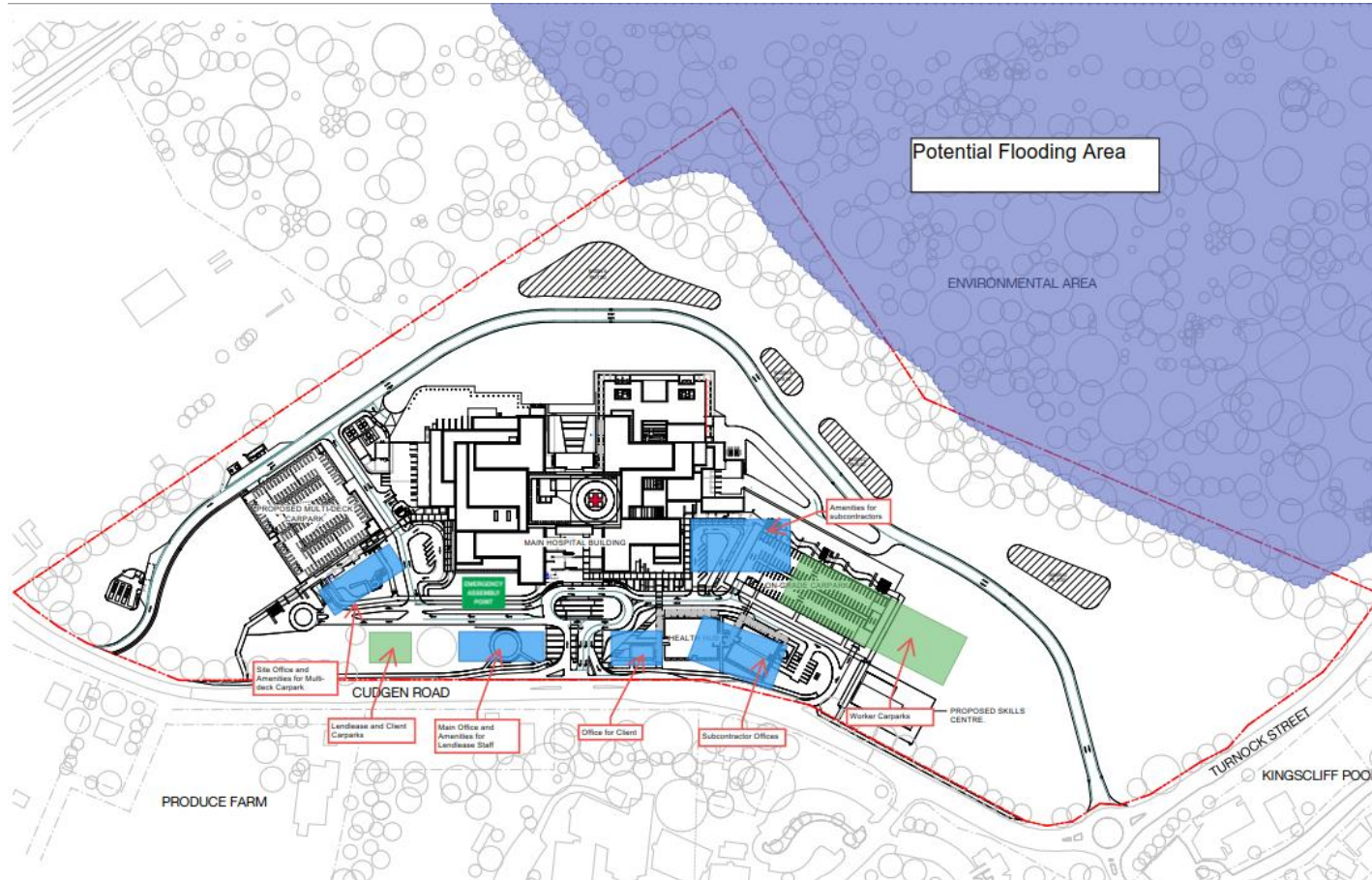
Role	Responsibilities
Emergency Control Organisation Team Leader	<ul style="list-style-type: none"> <li>▪ Ensure this Plan is completed, regularly reviewed, implemented and tested.</li> <li>▪ Review and approve all modifications to the emergency response system, facilities and ECO team members (including action on any post incident or exercise report recommendations)</li> <li>▪ Establish and maintain an Emergency Control Centre (ECC) and support facilities</li> <li>▪ Establish an emergency response exercise schedule as required by this plan.</li> <li>▪ Integrate the emergency response exercise schedule with the Lendlease ECO and workplace EHS Committee/EHS Consultation Group in order to ensure the effectiveness of site - ECO communications interface</li> <li>▪ Ensure any third party (non-Lendlease) personnel who may be co-opted in an emergency response are fully aware of expectations on them and are prepared to become immediately effective in an Emergency</li> <li>▪ Promote the Lendlease Emergency Response arrangements to all site personnel</li> <li>▪ Maintain familiarisation with obligations under this plan including reporting requirements, notifications etc.</li> <li>▪ Ensure that all Lendlease Project Managers, Supervisors and ECO members receive an awareness session on their roles, responsibilities and requirements of this plan</li> <li>▪ Provide single point of contact with the Emergency Response Team; i.e. Emergency Services and any related Client</li> <li>▪ Other</li> </ul>
Deputy ECO Team Leader	<ul style="list-style-type: none"> <li>▪ Undertake duties delegated by the ECO Team Leader; and</li> <li>▪ In the absence of the ECO Team Leader, fulfil the role of ECO Team Leader</li> <li>▪ Other</li> </ul>
Communications Officer	<ul style="list-style-type: none"> <li>▪ Responsible for managing all incoming calls</li> <li>▪ Responsible for managing outgoing calls as delegated by ERO Team Leader</li> <li>▪ Completing log of events</li> <li>▪ Other</li> </ul>
Area Warden(s)	<ul style="list-style-type: none"> <li>▪ Ensuring the safe evacuation of all site personnel in the event of an emergency.</li> <li>▪ Conduct a head count and advise the ECO Team Leader/Deputy of the results</li> <li>▪ Establish a watch for arriving emergency vehicles and provide an initial brief to the responding agency Emergency Response Team Controller</li> <li>▪ Undertake traffic control duties</li> <li>▪ Other</li> </ul>
First Aider	<ul style="list-style-type: none"> <li>▪ Proceed to the Emergency Assembly Area/Muster Point and provide first aid as required</li> <li>▪ Other</li> </ul>

Name	ECO Position	Contact Details
[Geoff Barrow ]	Area Warden	[ ]
Mick Zwolsman ]	Emergency Control Organisation Team Leader	]
[Darren Chow ]	First Aider	[ ]
[Jenny Third ]	First Aider	[ ]
[Geoff Lobdell	First Aider	[
Monique Windley ]	First Aider ]	]

APPENDIX TWO – EMERGENCY CONTACT NUMBERS

Name	Workplace Position	Contact Number
Geoff Barrow	Senior Site Manager	[ ]
Luis Biaggini	Construction Manager	[ ]
Lee Hughes	Project Director	[ ]
Darren Chow	Senior Project Engineer	[ ]
Jenny Third	Project Engineer	[ ]
Monique Windley	Site Environmental Engineer	[ ]
Geoff Lobdell	Site Engineer	[ ]
SES	[ ]	132 500
Gas	LPG	13 11 61
Electricity	Essential Energy	13 20 80
Hospital	Tweed Heads Hospital	(07) 5536 1133
Fire rescue	Tweed Heads Fire Station	000 07 5536 2222
Fire rescue	Kingscliff Fire Station	000 (02) 6674 1271
Police	Tweed Heads Police	000 (07) 5506 9499
Police	Kingscliff Police	000 (02) 6674 9399
Poisons Information	[ ]	131 126
EPA	[ ]	131 555
Water and Sewer	Tweed Shire Council	1800 818 326
LLB Injury Management Hotline	[ ]	1800 825 055

APPENDIX THREE – EVACUATION DIAGRAM



APPENDIX FOUR – FIRST AID RISK ASSESSMENT

The size and location of the workplace		
Scope of workplace	New hospital build	
Access between floors	Hoist, stairs	
Geographic size of workplace	160000 m <sup>2</sup>	
Nearest Hospital	Tweed Hospital	
Maximum time to medical service	20mins	
The number and composition of the workers and other persons at the workplace.		
Number of workers	Varying	
Number of other persons	[]	
Shifts worked	[]	
Overtime worked	[]	
Remote or isolated workers	[]	
Known health conditions effecting risk	[]	
Injuries, illnesses and incidents		
Last 12 months incident data	[]	
Incidents not resulting in injury	[]	
Other	[]	
Nature of the work carried out and the nature of the hazards at the workplace		
Hazards	How the hazard could cause harm	Likelihood of occurrence and degree of harm
Work at Heights	Falls of material/people	Possible risk of daily exposure. Major injuries
Electrical	Shock	Possible risk of daily exposure.
Hazardous chemicals: <ul style="list-style-type: none"> <li>Solvents</li> <li>Hydrocarbons</li> <li>Disinfectants</li> <li>Cement slurries</li> </ul>	Respiratory illnesses, cancers, dermatitis, chemical burns and the like  Many SDS confirm a first aid response is required	Possible risk of daily exposure to hazardous chemicals.
Plant & Equipment	Contact with, operator error, failure of, exposure too flash or grinding sparks or the like	Possible risk of daily exposure.

Manual handling	Muscular strain, cuts lacerations, puncture wounds and the like	Possible risk of daily exposure.
Housekeeping	Slips/Trips/Falls	Possible risk of daily exposure.
Afternoon shift	Worker fatigue Reduced visibility (hours of darkness)	Possible risk of daily exposure. Major injuries
Radiation	Welding activities; and Work in direct sunlight	Possible risk of daily exposure.
Infection risk for First Aiders	Application of first aid	Risk of exposure to infectious disease

### Required First Aid

Number of first aiders needed	[ ]
Training and competencies for LLB first aiders	[ ]
Number and location of kits	[ ]
Contents of first aid kits and modules	[ ]
Other First Aid Items	[ ]
Kit maintenance	EHS Committee & First Aiders on the weekly walk to check all First Aid Kits

### Consultation Arrangements

Risk Assessment	Conducted with EHS Committee
Subcontractors	Requirements for subcontractor first aid confirmed during Works to Proceed meeting
Workers	Via workplace induction



APPENDIX SEVEN – TWEED SHIRE COUNCIL EMERGENCY DASHBOARD

 **TWEED SHIRE COUNCIL** | EMERGENCY DASHBOARD

Contact Council  

The purpose of this Emergency Dashboard is to provide Tweed residents with links, useful information and contacts in an emergency. Please note, Council is not the main authority in emergencies.

For life-threatening emergencies  000



Listen live to the emergency radio broadcaster, ABC North Coast, on FM 94.5 or AM 720.

Social media Council news




**Flood, storm or tsunami**  
 132 500  
 or visit [www.ses.nsw.gov.au](http://www.ses.nsw.gov.au)




**House fire**  
 000  
 or visit [www.fire.nsw.gov.au](http://www.fire.nsw.gov.au)




**Bushfire**  
 000  
 or visit [www.rfs.nsw.gov.au](http://www.rfs.nsw.gov.au)



**Weather**  
 NSW weather warnings




**River heights**  
 Latest local river heights




**Rainfall**  
 Rainfall and river conditions




**Road hazards and closures**




**Power outages**  
 Current power interruptions



**Water and sewer**  
 Service interruptions



**Waste**  
 Collection and services




**Services and facilities**  
 Current status and updates

I want to help

Business support

Flood information



Report a problem  
 For non-urgent requests

Plan and prepare

Recovery

Water and wastewater



APPENDIX EIGHT | PROJECT SITE FLOOD PLANS



APPENDIX NINE | ROADS CLOSED DUE TO FLOODING SURROUNDING SITE

