



Emergency Response Plan

Prepared for

Northern Midlands Irrigation Scheme

This is a sub plan of the Construction Environmental Management Plan

Emergency Response Committee Training & Induction Register

Name	Emergency Role	Plan Induction Date	Signature
TBA			

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DOCUMENT CONTROL & DISTRIBUTION**REVISION REGISTER**

Rev.	Date	Prepared by	Reviewed by	Approved by
A	31/10/23	J. Hamilton	G. Smith	
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REVISION STATUS

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A	DRAFT – Internal review
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0	REV0 – For Use (pending approval of changes)
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1	REV1 – Added Lightning Protocol

DISTRIBUTION LIST

Position	Name	Organisation
Client Project Manager	Name not disclosed in public document	Tasmanian Irrigation
Superintendent	Blue Tier	Blue Tier
Superintendent's Representative	name not disclosed in public document	Blue Tier
Project Manager	name not disclosed in public document	Hazell Bros
Project Engineer	name not disclosed in public document	Hazell Bros
Project Engineer	name not disclosed in public document	Hazell Bros
Project Engineer	name not disclosed in public document	Hazell Bros
Stakeholder Officer	name not disclosed in public document	Hazell Bros
HSE	name not disclosed in public document	Hazell Bros
Site Supervisor	name not disclosed in public document	Hazell Bros

Once this template has been downloaded from HBWay it becomes a Project Record and the Plan reference in the header and the revision number in the footer should be amended to reflect the name of the Project.

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1 Purpose

1.1 Purpose and Application

This document is to be read in conjunction with Tasmanian Irrigation's (TI) Construction Environment Management Plan Northern Midlands Irrigation Scheme EPBC Number: 2022/09295 (TIs CEMP).

The Emergency Response Plan (ERP) describes how Hazell Bros will respond, manage and control on site emergencies including natural disasters and dangerous environmental events; traffic incidents; fall from heights; personal health medical emergency; detection of fire or smoke; hazardous substance spill or gas leak; and contact with live power or energy source. The plan also identifies the key client requirements and addresses the hazards associated with the delivery of the project.

The overall objective of this plan is to:

- Detail the roles and responsibilities of key personnel.
- Describe the system that will be put in place to identify and manage emergency situations which may arise.
- Outline emergency management strategies.
- Outline incident reporting and investigation requirements.

1.1.1 Review of the Emergency Response Plan

The Emergency Response Plan is a live document and shall remain so throughout the duration of this contract.

The Emergency Response Plan will be formally reviewed by the Project Manager and member/s of the emergency response team within 3 months of commencing works and periodically thereafter and in response to legislative requirements.

Updates to the Emergency Response Plan will be communicated to the project team through various existing internal communication channels including toolbox talks and pre-start meetings.

2 Foreseeable Project Hazards

The following foreseeable hazardous situations are determined to be the cause of possible on-site emergencies:

Hazard	Response/Procedure – See Section 9
Private or work-related medical incident/episode	Personal Health and Medical Emergency
Bushfires/ Equipment fires	Natural Disaster and Dangerous Environmental events occurring on Construction Sites Fire/Smoke Emergencies

Dangerous Environmental Events – (Natural Disasters)	Natural Disaster and Dangerous Environmental events occurring on Construction Sites
Contact with Live Power While Operating Plant (site access)	Contact with Live Power or Energy Source
Emergency Spill or Leak	Emergency Substance spill or Gas Leak refer PRO-HSE-003 Emergency Substance Spill or Gas Leak.
Fall from Heights	Fall from Heights
Fire or Smoke Detected	Fire/ Smoke Emergencies
Trench Collapse/Engulfment	Trench Collapse and Engulfment
Traffic Accident	Traffic Accidents on Construction Sites
Snake Bite	Snake Bite
Climatic extremes whether excessive cold or heat or other climatic events	Multiple
High rainfall/flood events	Erosion and sediment control structures must be visually inspected: • Within one hour of the commencement of any runoff resulting from rain events during normal construction hours. • Every four hours during periods of continuous rain during normal construction hours. • Within 12 hours of a rain event outside of normal construction hours. Erosion and sediment control structures will be reinstated/additional controls added as required to prevent environmental harm.
Environmental spill/leaks	• Control the source of the spill, where it is possible and safe to do so (e.g. stop re-fuelling). • Contain the spill to prevent further spread and minimise the potential for spills to enter aquatic environments. Sandbags, absorbent pads, or pillows may be used to contain the spread of the spill. Containment dykes and cut-off trenches may be used to prevent flow from entering drainage lines. If the spill has reached drainage lines, block the drainage line using the containment methods. • A specialist spill remediation environmental consultant must be

	engaged for the remediation of all spills. All spill material must be removed with contaminated materials assessed to determine appropriate treatment/disposal method.
Wildlife death or injury	• Roadkill mortalities shall be removed from the road surface immediately upon location to limit the likelihood of predators being attracted to the carcass. • Wildlife hit by project vehicles must be recorded, including details of when, where and species (if identifiable). Mortalities must also be reported to NRE Tas through the Roadkill Reporter app. • If any injured wildlife is found, WIRES Wildlife Rescue (1300 094 737) will be contacted immediately, and arrangements made for transferring injured wildlife to specialist carers at an animal hospital, vet, or refuge. If rehabilitation is not possible, animals are to be dealt with humanely in accordance with the Best Practice Guidelines for Wildlife Rehabilitation set out by NRE Tas.

3 Authorities and Responsibilities

The Project Emergency Planning Committee (ECP) is responsible for ensuring the ERP is managed and enacted according to HB standards. When the ERP is enacted in an emergency, authority moves to the Emergency Warden who has ultimate authority at this time.

Responsibilities are assigned to the following as described in MAN-GRP-001 Integrated Management System Manual:

- HB Corporate Emergency Planning Group
- Project Management Team
- Project Emergency Planning Committee
- Emergency Warden
- Emergency Coordinators

4 Management Systems

4.1 Communication and Enactment of the ERP

4.1.1 Press and News Media

At the site the Emergency Response Coordinator shall have the responsibility to control news media personnel and in general they are to be denied access to all sites.

- No Statements are to be issued on site unless authorised by Hazell Bros Managing Director.
- Do not speculate on what happened or the extent of the damage.
- Redirect any queries from the media to the Managing Director.

Answer press queries with: "A statement will be issued by the Company as soon as we have determined the facts. Until then there is no information available."

4.1.2 Training and Induction

Inductions shall provide an awareness of the planned emergency response arrangements for the project. The induction shall:

- Identify the plan and where a copy is located
- Identify key personnel such as wardens, first aiders etc
- Identify the maps locating the path of egress, the assembly points, first aid stations and emergency equipment
- Identify the foreseeable emergencies and the instructions displayed for each emergency
- Indicate the emergency alarm sound informing the EMP has been enacted

Emergency Wardens shall have emergency response training as described in AS3745.

The Site Emergency Response Team, which includes wardens, coordinators and first aiders shall be trained/inducted into the Site-Specific Emergency Response Plan and the records of the training/induction shall be kept on site with this plan.

All persons, other than accompanied visitors shall be inducted onto the site in accordance with the Safety Management Plan. Records of all inductions shall be kept.

Training onsite shall be provided specific to the project and foreseeable emergencies for:

- HB Project staff
- Other stakeholders according to identified risks

A worker required to fulfil the following roles will undergo relevant training:

- Emergency Coordinators
- First Aiders

4.1.3 Testing the ERP

Regular testing of the ERP is to occur to ensure planned emergency strategies are effective and may include:

- Evacuation drill within a month of project commencement and at least annually thereafter for the life of the project
- Testing of the highest risk foreseeable emergency responses – either via a drill or discussion of the response
- A post emergency review

4.1.4 Ongoing ERP Checks

Ongoing ERP checks shall be undertaken through weekly site inspections ensuring:

- An evacuation plan is in place and posted on the site noticeboards
- Emergency contact details posted on the site noticeboards
- Correct fire extinguishers provided and regularly tested / tagged and up to date?
- First aid kits fully equipped and content in date
- General storage of chemicals is sufficient
- SDS's are supplied and filed on the project
- Openings in floors / ground protected and barricaded

4.1.5 Debriefing and Trauma Counselling

In the event of an emergency a debriefing must occur as soon as is reasonably practical to do so.

Critical incident management and support will be provided by Employee Assistance Program providers, Newport & Wildman.

Trauma counselling (individual or grouped) may be required particularly in the case of death, serious injury or catastrophic event.

5 Site Emergency Alert

In the event of an emergency or perceived emergency the following steps are to be taken:

- Sound Alarm or notify site personnel by most appropriate method (2-way, phone or verbal) stating:

EMERGENCY - EMERGENCY - EMERGENCY and state the type of emergency and location.

- Emergency Warden to take control:
 - Call 000 if needed and not already called
 - Organise immediate First Aiders to assist as needed
- All site workers / visitors / others move to assembly areas with Emergency Coordinators providing direction as needed and move away from 'at risk' areas as necessary
- First Aiders take control of injured persons until ambulance arrives
- Emergency Warden:
 - Act as the conduit with emergency services
 - Confirm status of the emergency and person / plant / property at risk
 - Enact security and other measures as required

NO RETURN TO SITE PERMITTED WITHOUT AUTHORITY FROM THE EMERGENCY WARDEN

- All clear given by Emergency Warden (in consultation with emergency services)

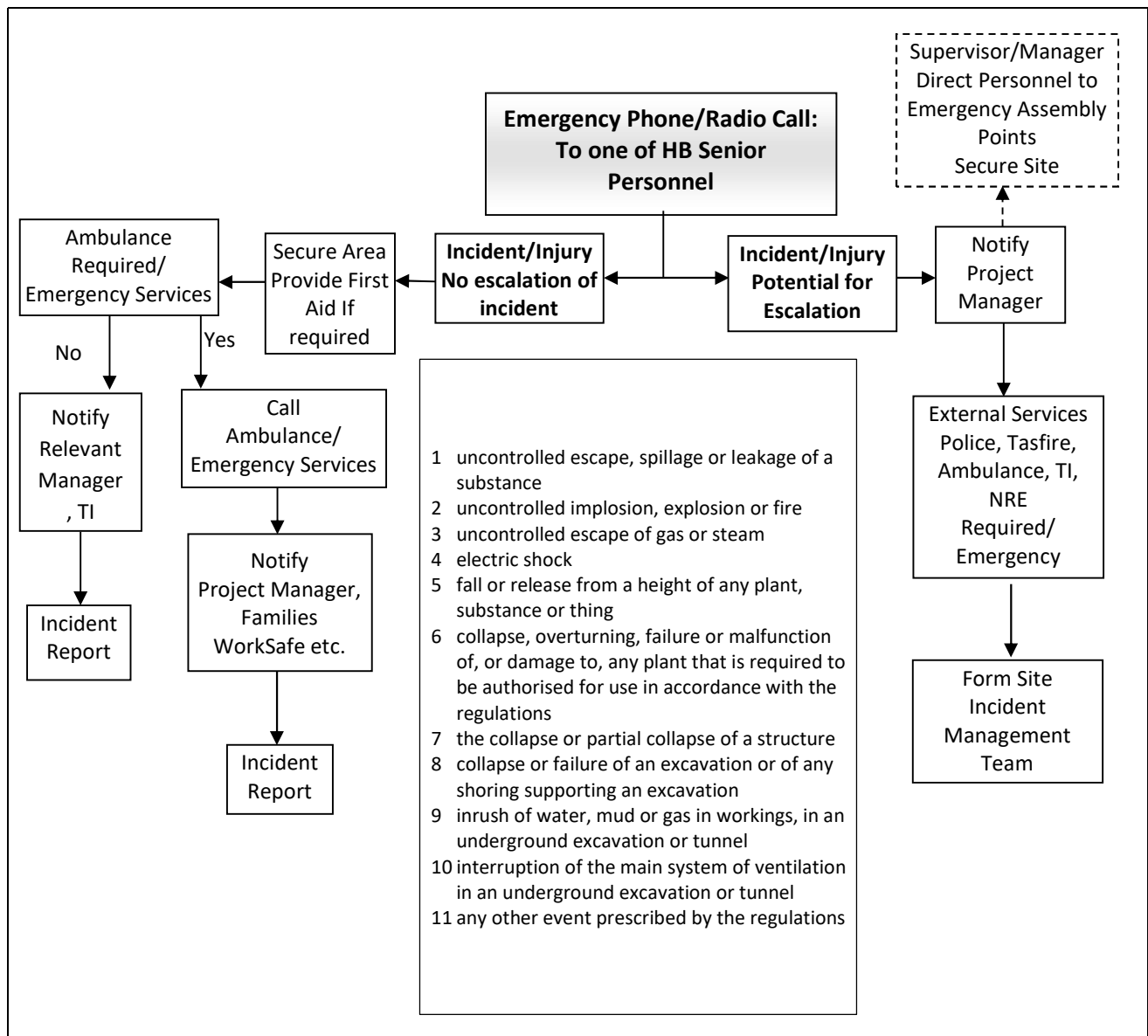
All of the following pages should be printed and placed on crib room notice boards.

6 Emergency Equipment

The following emergency equipment is provided on this project:

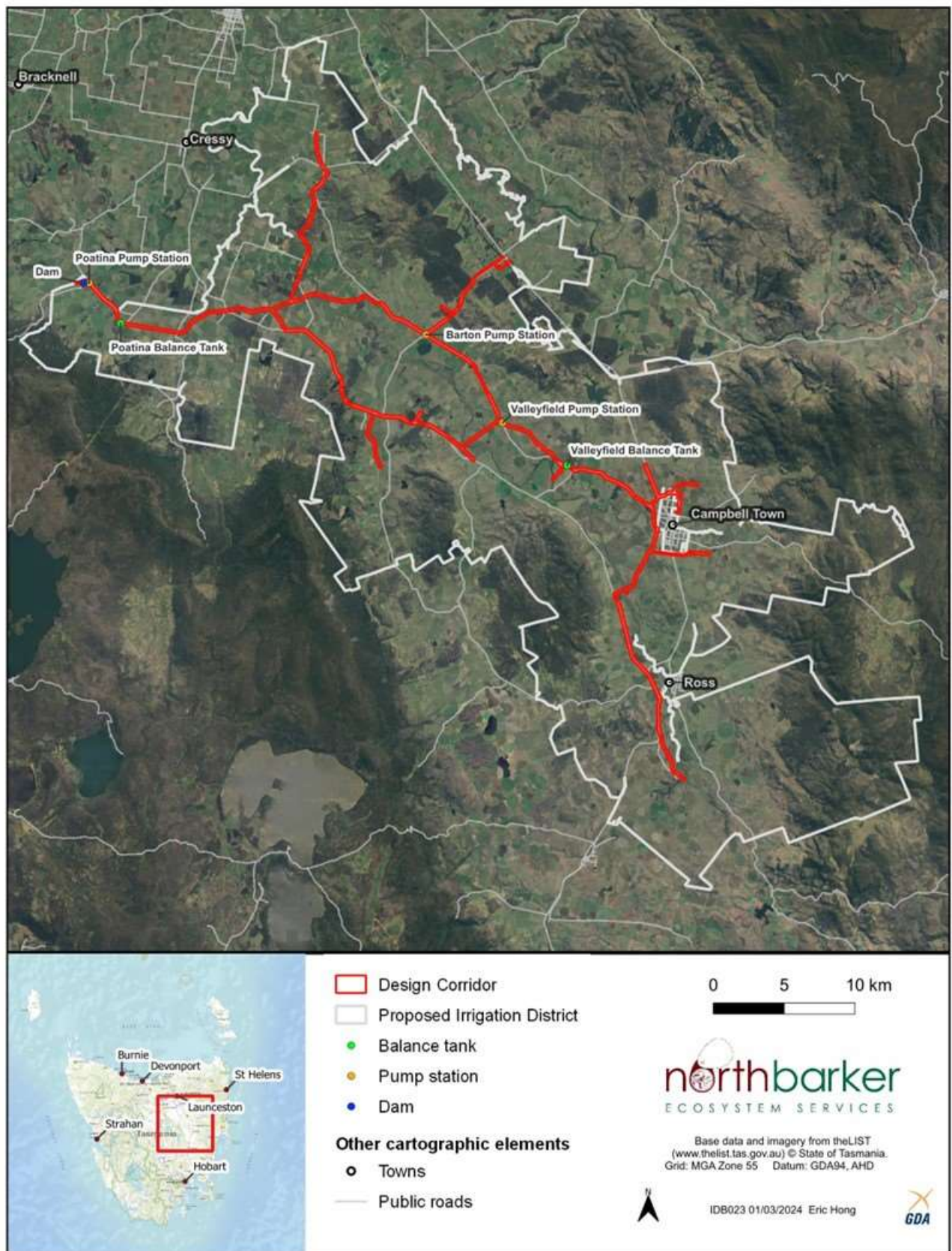
First Aid Equipment	Fire Equipment
First Aid Facilities at Lunchrooms and Offices	Dry Powder Fire Extinguishers
Defibrillator & Trauma Kits	Fire Blankets
Trained first aid personnel	Water Cart with Fire Fighting Capacity
First Aid Kits in site vehicles	Fire Extinguisher in site vehicles
Snake bite kits	Fire/Washdown trailers and spill kits
	Rescue Equipment
	Recovery Tow Straps

7 Emergency Response Flow Cha



8 Emergency Contacts

SERVICE	EMERGENCY NUMBER	NON-EMERGENCY
Ambulance	000	
Fire	000	
Nearest Emergency Hospital – Launceston General Hospital	(03) 6777 6777	(03) 6777 6777
Nearest Medical Centre – Longford Medical Centre 28 George St, Longford TAS 7301	(03) 6391 1170	(03) 6391 1170
Poisons Information	131 126	
Electrical (Tas Networks)	132 004	
Water Supplier (Tas Water)	136 992	
State Emergency Services	132500 - 000	(03) 6173 2700
Northern Midlands Council	(03) 6397 7303	(03) 6397 7303
Work Safe Tasmania	1300 366 322	
Environmental Regulator (EPA) (incidentresponse@environment.tas.gov.au)	1800 005 171	(03) 6165 4599
Tas Gas	180 2111	1800 750 750
Telecommunications (Telstra)	13 22 03	
NRE	1300 368 550	
WIRES Wildlife Rescue	1300 094 737	
HAZELL BROS GROUP		
Manager HSE	name not disclosed in public document	
Compliance Officer	name not disclosed in public document	
Project Manager	name not disclosed in public document	
Managing Director	name not disclosed in public document	
Emergency Warden – TBA		
Superintendent	name not disclosed in public document	
CLIENT		
Project Manager	name not disclosed in public document	
Project Superintendent		
Project Superintendent’s Rep		
SUBCONTRACTORS		
Subcontractor Representative (Company Name and Persons Name)		
TBA		



9 Emergency Procedures

NATURAL DISASTERS AND DANGEROUS ENVIRONMENTAL EVENTS OCCURRING ON CONSTRUCTION SITE

1

STOP ALL WORK ACTIVITIES

- Emergency warden takes control of site
- Follow instructions at all times

2

IF SAFE TO DO SO

- Provide rescue/assistance to injured parties
- Call nearest first aider or emergency coordinator to support injured
- If multiple persons are injured stay with them until medical assistance arrives
- Shutdown plant and equipment
- Contain storage of hazardous chemicals and gas bottles ASAP

3

EVACUATE

- Move to assembly areas closing doors as you go
- Use firefighting equipment to clear a path
- Await instructions from the emergency warden
- Be mindful of unsafe structures and take instruction from emergency personnel

CONTACT WITH LIVE POWER OR ENERGY SOURCE

1

PLANT EARTHED

- Do not touch the mobile plant
- Operator to remain calm in the vehicle and await assistance
- If risk of fire or explosion operator to jump clear trying not to come into contact with plant

2

PLANT NOT EARTHED OR LIVE

- Plant operator to exit plant when advised by authorised emergency personnel

3

NOTIFY & PREPARE

- Emergency warden notified
- Call emergency services and power/electricity supplier
- Barricade area
- Notify first aider to render assistance when able to safely access area

EMERGENCY SUBSTANCE SPILL OR GAS LEAK

1

FIRST AID & CALL 000

- If safe and you are able, provide immediate aid to injured parties removing from further risk
- Call first aider to render ongoing assistance
- Notify site management & emergency warden for assistance – **mobile phone only to be used at a safe distance up wind from the leak**
- Enact emergency evacuation

2

IF SAFE TO DO SO

- Attempt to identify & stop source of spill/leak
- Remove all sources of spark or ignition
- **Do not smoke**
- Check other emergency needs via SDS if applicable

3

NOTIFY & PREPARE

- Determine need to notify neighbouring properties transport services and other at-risk stakeholders as applicable to risk
- Prepare emergency equipment in case of need - fire extinguishers & hoses, PPE & portable showers

FALL FROM HEIGHT

1

SWMS

- When working at height the safe work method statement shall have a rescue & retrieval plan documented and the plan will be included in the toolbox meeting undertaken prior to the height work commencing

2

IF A FALL OCCURS

- Inform closest supervisor
- Call 000 and the emergency warden
- Supervisor to retrieve SWMS and determine the planned rescue & retrieval process
- Emergency warden, first aider & rescue retrieval team shall attempt aid & support to the injured party/s
- If the injured person is hanging from a harness, attempts should be made to support the person until rescue can be enacted

3

RESCUE/RETRIEVAL

- Emergency warden & 1st aider shall attend, supervise & participate in the rescue & retrieval operation

FIRE OR SMOKE DETECTED

1

CALL 000

- Inform emergency warden or nearest manager/supervisor
- Emergency warden to assume charge of site
- Initiate immediate emergency evacuation

2

IF SAFE TO DO SO

- Turn off all sources of ignition including electricity & gas
- Attend to injured persons – first aider to take control
- Remove mobile plant/vehicles/property
- Isolate areas at risk by closing doors etc.
- Nominate person to direct emergency services on arrival
- Initiate use of fire appliance/extinguishers

3

AWAIT ALL CLEAR

- Once evacuation has occurred – re-entry is prohibited until the all clear is given by the emergency warden in consultation with emergency services

TRENCH COLLAPSE AND ENGULFMENT

1. STOP ALL WORK ACTIVITIES AND CALL 000

- Call emergency services 000
- Implement site Emergency Response Plan

2. ACCESS THE CASUALTY(IES)

- If instructed to do so by the emergency services and if it is safe to do so, ensure the casualty has air to breathe
- Be aware of your safety and continually check that the situation is safe to be where you are
- Digging/recovery methods will vary depending on the situation – hand digging may be required to ensure the casualty is not injured and to prevent further collapse
- If it is not safe to access the casualty, take photos of the scene and make notes of where the casualty was last seen/heard
- If the engulfed material moves or continues to collapse, pay attention to where it moves, take more photos

3. APPLY FIRST AID AND FOLLOW DRSABCD

- **Danger:** Check for any danger in the immediate vicinity.
- **Response:** Check if the casualty is responsive. Ask if they are ok, squeeze their shoulders.
- **Send for help:** Call 000 for an ambulance or ask someone else to make the call.
- **Airway:** Clear any obstruction of the airways and place casualty in the recovery position.
- **Breathing:** Check for breathing. If they are not breathing normally (less than 2 breaths in 10 seconds), start CPR.
- **Compressions:** 30 chest compressions followed by 2 breaths. Continue this until help arrives or the casualty recovers.
- **Defibrillation:** Attach an AED as soon as possible if there is one available.
- Apply first aid as required
- Keep the patient lying down and completely still (immobilised)
- Provide information of person to ambulance personnel. Stay with the patient until medical aid arrives.

PERSONAL HEALTH MEDICAL EMERGENCY

1

FIRST SIGN OF MEDICAL EMERGENCY

- Call first aider and determine if emergency to be enacted

2

CALL 000

- First aider to provide assistance and instruct someone to call an ambulance
- Inform project manager and/or emergency warden

3

STAY WITH PATIENT

- First aider to stay with patient until ambulance arrives
- Provide information of person to ambulance personnel

TRAFFIC ACCIDENTS ON CONSTRUCTION SITE

1

ENSURE IT IS SAFE TO ACCESS ACCIDENT SITE

- Check for risk of imminent fire or explosion
- Call for firefighting equipment if deemed necessary
- Secure plant/equipment to mitigate further risk
- Call emergency services 000
- Provide first aid to injured persons

2

DIRECT OTHERS AWAY FROM ACCIDENT

- Appoint project team member to direct other traffic away from the accident site
- Appoint project team member to direct the public/media away from the accident site
- Ensure emergency vehicles can access the accident site

3

INJURED PERSONS REMOVED FROM SITE

- Emergency warden & project team undertake risk assessment of plant/vehicles to ascertain if safe to move
- Further emergency services assistance may be required
- Await instructions from emergency warden

SNAKE BITE

1

CALL 000

- Call triple 000 for assistance
- Follow DRSABCD

2

IF SAFE TO DO SO

- Lie the patient down and ask them to keep still. Reassure the patient
- If on a limb, apply an elasticised roller bandage (10-15 cm wide) over the bite site as soon as possible
- Apply a further elasticised roller bandage (10-15 cm wide), starting just above the fingers or toes and moving upwards on the bitten limb as far as can be reached
- Use clothing or other material if an elasticised roller bandage is not available
- Immobilise the bandaged limb using splints

3

STAY WITH PATIENT

- First aider to stay with patient until ambulance arrives
- Keep the patient lying down and completely still (immobilised)
- Provide information of person to ambulance personnel. Stay with the patient until medical aid arrives.

HAZARDOUS MATERIAL UNEXPECTED FIND

1

STOP ALL WORK ACTIVITIES

- Stop all work immediately, if operating plant ensure safe operating procedure.
- Notify supervisor/emergency warden

2

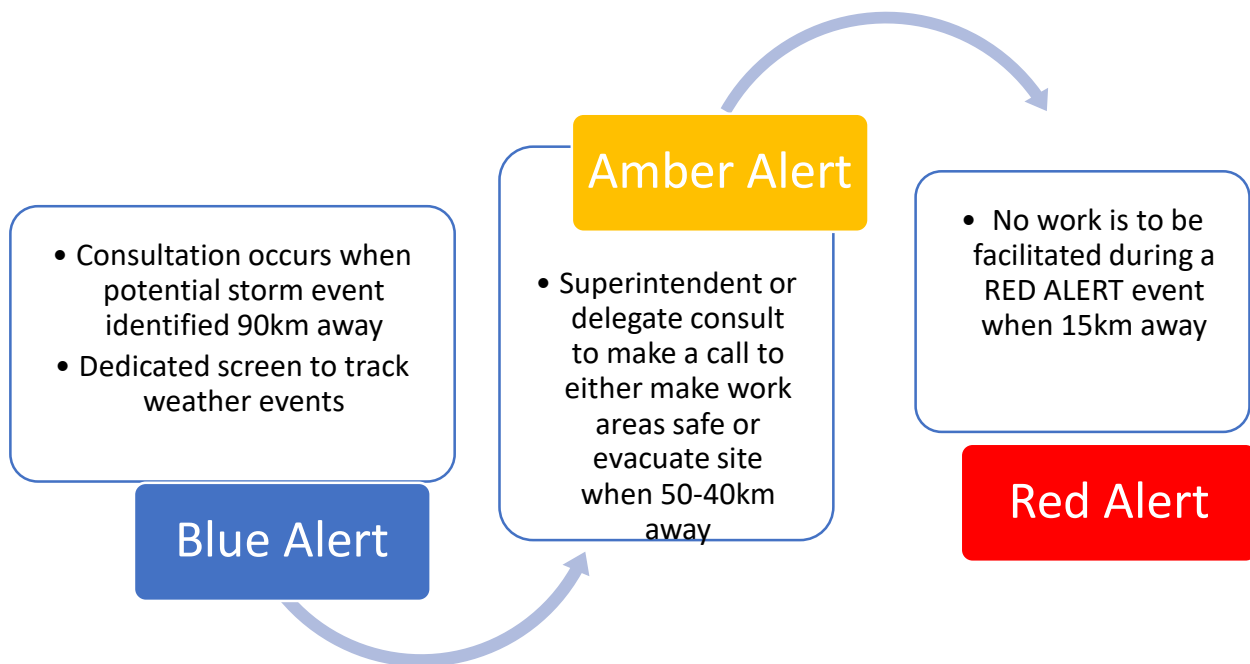
IF SAFE TO DO SO

- Tape off area
- Keep others away from suspect material
- Ensure persons maintain a safe distance, being up wind, away from any contaminates.
- Gain further information from third parties if required, especially if the contaminates are unknown.

3

EVACUATE

- Once the area is deemed safe evacuate the area to the Emergency meeting point.
- Once the area is deemed safe the emergency warden will instruct recommencing of activities.



Warning Phase	Description
Provided at 90km	When the initial warning is received via Tracking System, a general alert is to be given to all workers in the area. The Site Superintendent or delegate is also to monitor the BOM (Bureau of Meteorology) or equivalent to assist in identifying the direction that the storm is expected to come from, expected time of arrival and its intensity. An assessment is then to be undertaken as to what action is required to be undertaken. Consideration should be given to any plant that has booms, jibs or masts such as: Cranes, Concrete Pumps, Excavators, EWP's etc.
Provided at 50-40km	When within 40km, the work crews are again to be informed. The Site Superintendent or delegate is again to monitor the BOM or equivalent and respond in accordance with any identifiable changes that may have occurred. Following the assessment of these changes the Site Superintendent or delegate is to inform work crews of current conditions and any possible actions that may be forthcoming. Do not undertake any new activities, cease activities such as crane lifts, workers in EWP baskets and concrete pumping tasks.
Provided at 15km	Immediately stop work and return to Site Office/Safe Place. No Vessel transfers. When ordered to cease work all masts, booms, jibs etc. are to be lowered to the ground wherever possible. Maintain radio silence and wait for the all clear to be given by the area Supervisor. Mobile phones should <u>not be</u> used unless in the event of an Emergency.
All Clear	Once the all clear has been given by the Site Superintendent work is then to resume as normal and continue to monitor weather conditions.