

Emergency Preparedness



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What is an Emergency?



An emergency is an unplanned or unexpected event that requires immediate action to protect the health, safety and well-being of people.

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Types of Emergencies

- Conveyor entrapment
- Vehicle accident
- Outbreak of fire
- Accidental explosions
- Collapse of structure
- Dam collapse
- Water inrush
- Chemical spill
- Trespasser injury
- Collapse of the quarry
- Accident to person working alone



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Has anyone experienced an emergency?



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What does legislation require

Health and Safety at Work Act 2015

- Clause 44 – Duty of Officers
4(d) to ensure that the PCBU has appropriate processes for receiving and considering information regarding incidents, hazards, and risks and for responding in a timely way to that information;
- Clause 55 – Duty to preserve sites
- Clause 56 – Duty to notify notifiable event
- Clause 57 – Requirement to keep records

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What does legislation require

HSAW Mining Operations and Quarrying Operations Regulations 2016 (as amended 2022)

- Clause 56 – Contents of HSMS
- Clause 104 – Consultation with Emergency services
- Clause 105 – Emergency Management control plan
- Clause 106 – Testing of Emergency Management control plan
- Clause 125 – Treatment and Transport of sick and injured workers

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Emergency Management Control Plan (EMP)

- the people or positions at the site that will have responsibilities in relation to emergencies
- the events that trigger the activation of the plan
- the use of communication systems in emergencies
- the giving of timely notice, information, and warnings about emergencies to anyone potentially affected by an emergency at the site
- measures to be taken to isolate an area of the site affected by an emergency
- the availability of emergency services to respond to an emergency at the site
- the means to locate and account for people at the site in the event of an emergency
- the evacuation of the site in an emergency, if required
- first-aid arrangements at the site, including first-aid equipment, facilities, and services and the workers who are qualified to provide first aid

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Emergency Management Control Plan (EMP)

In complying with their obligations under the legislation, a PCBU must have regard to all relevant matters, including:

- the nature of the work being carried out at the workplace:
- the nature of the hazards at the workplace:
- the size and location of the workplace:
- the number and composition of the workforce at the workplace.



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Composition of the workforce

- Keep it simple – Average industry reading age of 10-11 year old
- Language may be an issue (EASL)
- There may be literacy issues
- Concentration/interest span



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Be prepared

- Identify the site constraints, communications, distance from emergency services etc.
- Involve all workers in discussions over your emergency response plan
- Discuss scenarios, "what if this happens?", "what could possibly go wrong?"
- Identify training needs, first aid, incident controller, communications co-ordinator etc.



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What to consider

- May need to evacuate
- Could be casualties
- Damage to plant, infrastructure and transport
- Loss of communication
- Planned systems disrupted



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Hatchison Quarries Ltd EMERGENCY RESPONSE PLAN

ADDRESS:
Pink Gum Lane, 10km's west of Warracora
Queensland off the Cunningham Hwy

CONTACT NO'S:
Office Ph No: 07 4661 172
Switchboard: 0800 142 286
Fax: 07 4661 044

IN CASE OF EMERGENCY

Remember: If you are unsure, call 111 or 000.

INITIAL RESPONSE

1. Assess the situation and identify the danger.
2. Assess the situation and identify the danger.
3. Establish Emergency Response Procedures.

THE COMMUNICATOR'S ROLE

Communicator's role is to:

- 1. Assess the situation and identify the danger.
- 2. Assess the situation and identify the danger.
- 3. Establish Emergency Response Procedures.

SITE DIRECTIONS

Site map is located in the Emergency Response Procedures.

DRSABCD action plan

DRSABCD action plan is a guide to help you respond to an emergency.

- D** - Danger: Is there any danger to you or others?
- R** - Respond: How many people are injured?
- S** - Send for help: Call 111 or 000.
- A** - Airway: Is the airway clear?
- B** - Breathing: Is the person breathing?
- C** - Circulation: Is the person's heart beating?
- D** - Death: Is the person dead?

FIRE

Remember: If you are unsure, call 111 or 000.

- 1. Assess the situation and identify the danger.
- 2. Assess the situation and identify the danger.
- 3. Establish Emergency Response Procedures.

EVACUATION PROCEDURE

Remember: If you are unsure, call 111 or 000.

- 1. Assess the situation and identify the danger.
- 2. Assess the situation and identify the danger.
- 3. Establish Emergency Response Procedures.

Map

Site map is located in the Emergency Response Procedures.

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Documenting your Emergency Management Plan

Keep it simple!!!

Visuals are good (posters)

Prompt cards can be useful

Ensure adequate, trained first aiders



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Training

- Ensure all workers are trained in emergency plan and procedures
- Ensure regular refresher training and testing of emergency plan
- Ensure contractors and visitors are aware of emergency procedures that may impact on them
- Ensure inductions include critical elements of the emergency plan



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Test and Practice the Plan



- Make the scenario real.
- Involve emergency services and/or WorkSafe inspectors if possible.
- What worked and what didn't?
- Review and change the plan as necessary

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What does legislation require

Clause 106 – Testing of Emergency Management control plan

- Regularly tested using practice drills
- Involve emergency services
- Adequate training
- Adequate resources



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Lone workers and small sites

- Nobody to summon emergency services
- Poor mobile phone service
- Remoteness may mean additional time for emergency services to arrive
- Loss of communication



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Working alone “must haves”



- All necessary PPE (GPS tracker, emergency alarm activation)
- Regular check-ins
- Overtime alerting (automated)
- Emergency alerting (lone worker alarm)
- GPS location tracking
- Response procedures

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NZ Red Cross – First Aid and emergency app



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Be prepared

- Identify the **site constraints**, **communications**, **distance** from emergency services etc.
- Involve **all workers** in discussions over your emergency response plan. What could go wrong?
- **Allocate tasks** including alternates – Who needs to do what, incident controller, communications coordinator etc.
- Identify training needs, first aid, **resources needed**, etc.
- **Training and practice** of the plan.



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