McArthur River Mining

Emergency Response

Management Plan

A GLENCORE Company

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1. Purpose

The purpose of this Management Plan is to eliminate or minimise the potential for fatalities, injuries and incidents arising from risks associated with inappropriate response to an emergency.

The McArthur River Mine Pty Ltd (MRM) Emergency Response Plan provides employees, contractors, and visitors with the procedures to follow in the event of any emergency situation. It is of the highest importance that everyone involved in an emergency is aware of the correct procedure to be followed, their duties and their responsibilities.

The MRM Emergency Response Plan should be followed in all emergency situations. When an incident occurs that may threaten personnel or the environment, on or off site, this plan should be followed to ensure that all personnel are safe and accounted for.

The MRM Emergency Response Plan shall be read and utilised in conjunction with the MRM Emergency Response Management Manual and the MRM Emergency Response Manual Part 2 – Duty Cards and approved forms used to record events.

2. Scope

The MRM Emergency Response Plan applies to the Mine including Mining Operations, Metallurgical Operations, Ore Transport, the Bing Bong Loading Facility (BBLF), the MRM aerodrome / aircraft, contractors and all personnel working in any operational area.

3. SafeWork

SafeWork is an initiative of Glencore aimed at focussing its Operations and Projects, including all managers, employees and contractors on elimination of fatalities and serious injuries.

The Life-Saving Behaviours and Fatal Hazard Protocols listed in this document are fundamental components of SafeWork.

MRM is absolutely committed to making SafeWork a reality and this can only be achieved with the combined commitment of every member of our teams and other relevant stakeholders.

SafeWork will only be as effective as the commitment we make to implement the Protocols whilst continuing to be vigilant regarding the health and safety of others and ourselves.

MRM is committed to implementing, maintaining and improving all aspects of SafeWork and the Life-Saving Behaviours and Protocols shall be implemented though a structured process involving communication, consultation, training and verification.

The MRM Emergency Response Plan is one of the key components of SafeWork at MRM.

Top Management shall be accountable for the SafeWork program.

4. Emergency Response Life Saving Behaviours

- Always come to work drug and alcohol free.

- Always use or wear critical safety equipment.
- Always wear appropriate equipment when working above two metres.
- Only Operate equipment if trained and authroised.
- Always isolate and 'test for dead' prior to working on energy sources.
- Never modify or over-ride critical safety equipment without approval.
- Always seek and obtain clear approval before entering mobile equipment operating zones
- Always report injuries and HPRIs

5. Definitions

Table 1 - Definitions

TERM	DEFINITION
AIIMS	Australasian Inter-service Incident Management System.
Action Plan	A documented plan of actions to achieve a specific goal or goals, which details responsible people and completion dates.
Audit	Third- or second-party formal assessment of a process, system, activity, or other element of the business against set criteria such as legal requirements, site procedures or these Protocols.
BBLF	Bing Bong Loading Facility.
Certified Self-Rescuer	Certified to at least one of the following standards: EN 13794, AUS/NZ 1716, SANS 1737 / 10338, NIOSH.
CCV	Critical Control Verification.
Defined Risk Area	Refers to a location other than underground where the risk is such that similar controls need to be established for the safety of personnel, e.g., long distances or extended time periods are necessary to access or egress from work areas, with potential presence of low oxygen or widespread release of noxious gases.
DMO	District Medical Officer.
CC	Crisis Controller.
ERTC	Emergency Response Team captain.
Emergency	An uncontrolled incident requiring immediate emergency response to protect people, assets, and the environment.
ERMS	Emergency Response Management System.
ERT	Emergency Response Team.

TERM	DEFINITION
ERC	Emergency Response Coordinator.
HB76	Australian Standard for Emergency Response Guide for Chemicals.
HSEC	Health safety Environment and Community.
IM	Incident Manager.
IMT	Incident Management Team.
Incident	An incident is an unplanned or unwanted event that has or could have resulted in harm to people, environment, equipment, or the community.
MRM	McArthur River Mining.
Mine	McArthur River Mine Site.
Management Plan	Documented process detailing the requirements for conducting an activity or task.
Place of Safety	An approved location where a source uncontaminated air is available such as a refuge bay, refuge tent or other guaranteed source of fresh air. The place must also offer protection from environmental factors such as fall of ground, flooding or extremes of temperature for the expected maximum duration necessary.
Procedure	Documented process detailing the requirements for conducting an activity or task.
SDS	Safety data Sheet.
SC	Scene Controller.
SCBA	Self-Contained Breathing Apparatus.
Shall	This is mandatory.
Should	This is a recommendation.
PTO	Planned Task Observation.
SafeWork	SafeWork is an initiative of Glencore aimed at focussing its Operations and Projects, including all managers, employees, and contractors on elimination of fatalities and serious injuries. The Life-Saving Behaviours and Fatal Hazard Protocols listed in this document are fundamental components of SafeWork.
SLAM	Stop, Look, Assess, Manage.
Training	The initial training to verify competence and subsequent refresher training to verify that competencies have been retained.
WRAC	Workplace Risk Assessment and Control

TERM	DEFINITION
Worker	Any person working at MRM and includes all operational areas.

6. Emergency Scenarios

Potential emergency situations and applicable controls have been determined by risk assessment.

When any new mobile plant or equipment is introduced to site, the ERT Coordinator in conjunction with a Safety Advisor shall complete a full evaluation of the plant and equipment.

This evaluation is to ensure the following is in place:

- To ensure the ERT have the applicable skill sets and competencies to manage an emergency on the new plant or equipment.
- To ensure the Mine has the correct emergency response equipment to manage an emergency on the new plant and equipment.
- Where practical, the ERT shall complete and record rescue or fire fighting scenarios on the new plant and equipment.
- The review shall be recorded and filed in BSAFE.

Emergencies include, but are not limited to the following:

- Fires.
- Floods.
- Chemical spills or incident.
- Fume, vapour, gas, or radiation leaks.
- Chemical incident.
- Explosions.
- Aircraft or Watercraft incident.
- Plant equipment or vehicle incident.
- Ocean or river incidents.
- Electrical incident including high voltage.
- Serious injury or fatality.
- Bomb / terrorist threat.
- Unauthorised entry.
- Explosive's incident.
- Tyre fire or explosion.
- Fall from heights or into voids.
- Cyclone or catastrophic weather event.
- Highwall and void failure.
- Tailings Dam failure.

- Waste discharge with the potential to cause material (serious) environmental harm.
- Mass fauna (fish) kill.
- Flood waters overtopping NOEF flood barriers.
- Medical pandemic and communicable disease.

7. Emergency Command and Control

The Australian Fire and Emergency Services Authorities Council (AFAC) has developed the Australasian Inter-service Incident Management System (AIIMS) 2017. This provides the basis for the MRM Emergency Response Plan and the MRM Emergency Response Management Manuals. this manual provide for interoperability between an operation and any external emergency service agency, if needed. It also delivers a structured, scalable, and flexible emergency management approach.

The Australian Fire and Emergency Services Authorities Council's AIIMS 2017 system provides a standardised Incident Command and Control System (ICCS). It enables the integration of resources and activities from multiple agencies when responding to and resolving an incident.

All Northern Territory (NT) Emergency Service agencies use Incident Command and Control Systems. These agencies, which include Police Forces, Ambulance Services, Fire and Rescue Services, and Rural Fire Services (or equivalents), may be involved in an emergency response to MRM.

This structure allows the flexibility to grow with the size and complexity of any incident. During the first response to an incident, an On-Scene Controller will perform the basic function of control. If the incident intensifies and incident management becomes more demanding, a more senior Scene Controller will take control. They may delegate some or all support functions.

The ERMS allows for ease of transition at any stage from a single Scene Controller to a Scene Controller with an Incident Management Team, through to a Crisis Management Team support structure. Control of an incident always remains with the Scene Controller (Level 1 Incidents) or the Incident Manager (Level 2 Incidents) and Crisis Controller for Level 3 Incidents).

The MRM ERMS provides structure and the ability to delegate to perform all management and information functions.

The MRM ERMS structure includes up to 4 functional sections reporting to the Scene Controller, as shown in Figure 1.

The functional sections include:

- Incident Control Section (includes the initial Scene Controller).
- Operations Section (includes an internal investigation component).
- Logistics (includes Finance).
- Planning (includes an intelligence capability).

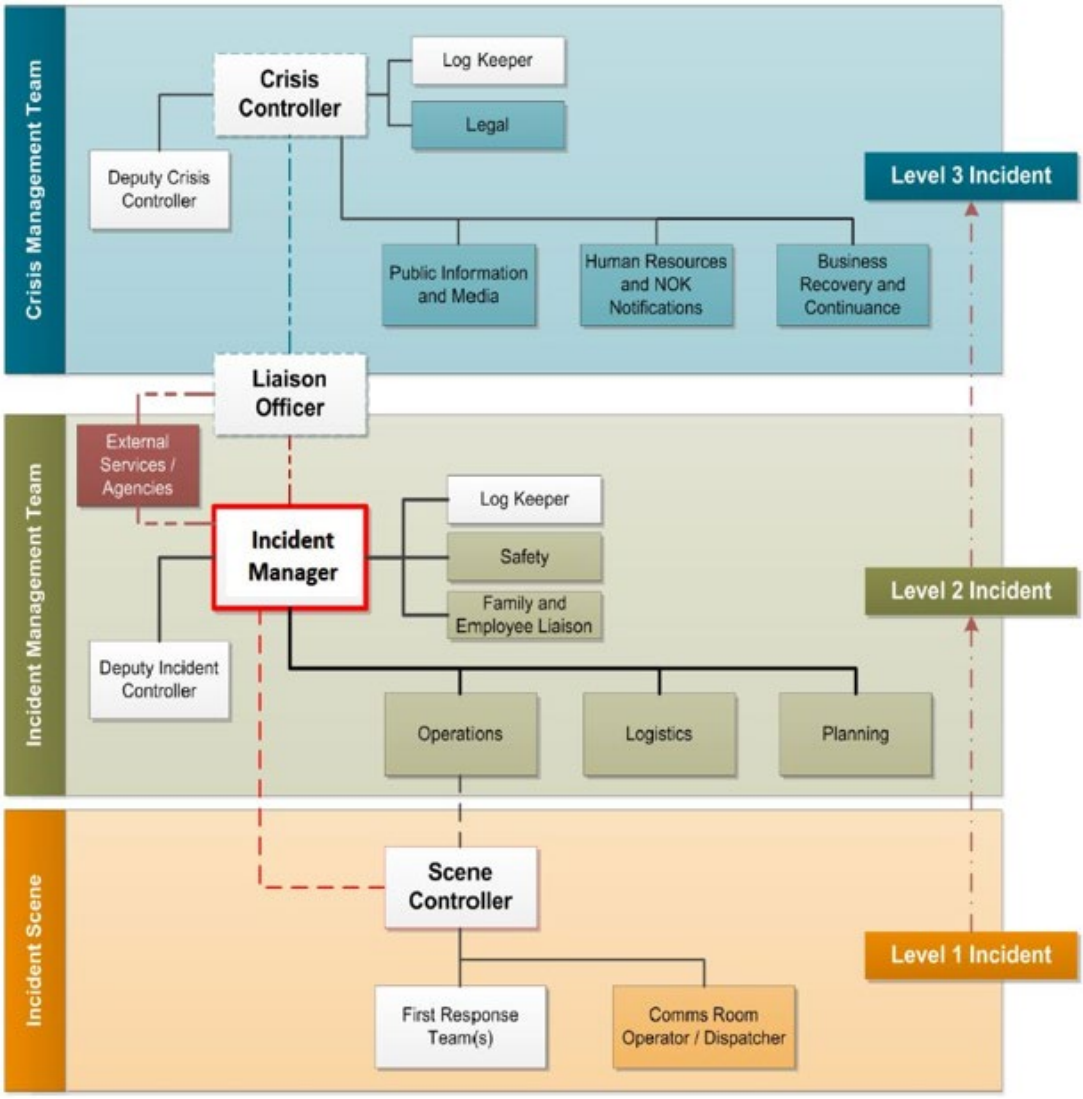

Figure 1 - MRM Emergency Response Management System Structure

8. Emergency Initiation

In an Emergency immediately call the Mill Control on Channel 5 or Telephone ext. 222 / 89758222 (if external) and for the mining area contact Dispatch on channel 8.

Use the words **"EMERGENCY, EMERGENCY"** and provide the following information:

- Your name
- The Nature of the Emergency
- The Location of the Emergency
- What Assistance is required

Mining Operations are to stop immediately, park up where safe and await further instructions.

Await further instructions from Mill Control or Dispatch.

If you are in any doubt – immediately call the emergency on Channel 5

9. Emergency Duties

9.1 Mill Control and Mining Dispatch Emergency Operator Immediate Duties

Mill Control and Mining Dispatch shall follow the Initial Emergency Response Process.

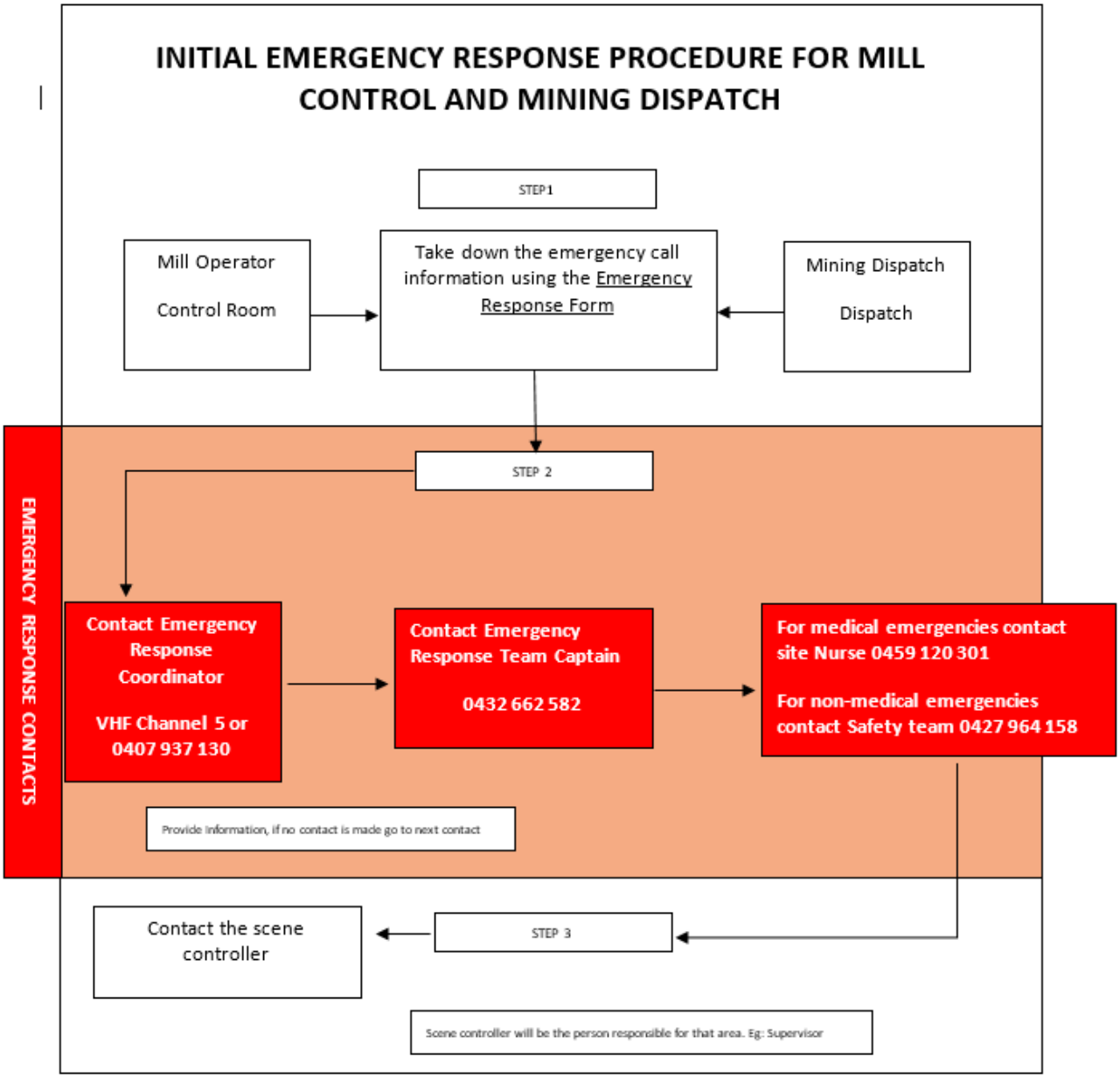

Figure 2 - Initial Emergency Response Procedure for Mill Control and Mining Dispatch

9.1.1 Additional Duties

- Follow your posted Duty Card. Contact the Emergency Response Coordinator on 0407937130 or the Fire Station on 89758265 or ERT Captain on 0437662582.
- If directed by the ERT Coordinator / Captain contact the Nurse on radio Channel 5 or Mobile 0459120301 or Clinic 89758121.

- Contact the Scene Controller via radio or telephone.
- The Scene Controller is the manager or delegate responsible for the area where the emergency is located.
- Contact any relevant department using the Weekend Coverage notification if requested by the Emergency Response Coordinator or the Scene Controller.
- Give the information received and stand by to assist as instructed.
- If directed by the Emergency Response Team or the Scene Controller advise the Incident Manager.
- Write the initial incident information in the Emergency Response Report Form.
- Contact Environment Department if requested. If a weekend, use the external contact list phone number for the Environment Superintendent or HSEC Manager.
- Organise for assistance as directed by the Scene Controller / Incident Manager / and or the E.R.T.
- Refer to the Emergency Response Team Coverage (on-line & revised monthly) for all contact names and numbers.
- Document all actions and communications by radio / phone / verbal in the Emergency Response Report Form.

9.2 Scene Controller/Incident Manager/Crisis Controller

The Scene Controller may be the First Response Team supervisor or the work area supervisor, depending on the incident.

The Scene Controller is to assess the situation on a regular basis to determine if escalation to a Level 2 Incident is needed. At all times, the primary focus for the Scene Controller is the safety of personnel involved in an incident and those responding.

First responders can generally resolve a Level 1 Incident. Formal (documented) Incident Action Plans are not required, other than existing emergency procedures or processes.

The Scene Controller at the Mine, Mill and the BBLF is the person who retains overall responsibility in an emergency situation; the Scene Controller is usually the Shift Supervisor or his delegate for the area in which the emergency is taking place. This responsibility can be delegated to a person with a higher level of responsibility dependent on the emergency situation.

In a Level 2 the overall controller is the Incident Manager.

In a Level 3 the overall controller is the Crisis Controller.

On weekends the Incident Manager will be delegated as per an agreed roster. The Incident Manager will be contactable via site radio, landline or mobile phone, 24 hours a day while on site and will be recognisable to all personnel by a reflective vest with the words “Incident Manager” marked on it, during an emergency.

Table 2 - Scene Controller, Delegated Area

AREA DELEGATED	SCENE CONTROLLER
All Mining Areas including explosive’s magazines and dyno bulk storage area	Mine Manager or Delegate

AREA DELEGATED	SCENE CONTROLLER
Village Airport Warehouse Main Administration Buildings	HSEC Manager or Delegate
Heavy Media Plant Crushing Plant Metallurgy Concentrator Tailing Line Metallurgy Administration Building Power Station	Concentrator and BBLF Manager or Delegate
Projects and Water Tailings Storage Facility	Projects and Water Manager or Delegate
BBLF including Bing Bong accommodation Village	Concentrator and BBLF Manager or Delegate
MV Aburri	Vessel Master or Delegate

The Scene Controller / Incident Manager / Crisis Controller retains overall responsibility in Emergency Response situations. They shall be responsible for coordinating the initial site response to the emergency and in the event of an emergency that warrants evacuation, they shall remain the key point of contact for the Emergency Response Team and assist with information and specialist advice from external authorities.

Once notified of an emergency, the Scene Controller / Incident Manager / Crisis Controller shall:

- Collect the Controllers Brief and Communication Cases from the IMT Control Room and respond if required.
- Put on the relevant vest marked “Scene Controller” “Incident Manager” “Crisis Controller”.
- Attend the scene and/or take control of the overall incident from the IMT Control Room.
- Liaise with Emergency Response Team regarding the safe outcome of the emergency.
- Liaise with the nurse regarding any casualties.
- Ensure that personnel have been withdrawn or evacuated from the scene and surrounding areas.
- Secure the scene.

9.2.1 Additional Duties and Responsibility

- Obtain assistance from personnel accountable for that area.
- Direct personnel to assist in emergency response as required.
- Allocate resources.
- Communicate with external parties or services i.e. police, hospital etc.

9.2.2 Manager or Delegate

Once the emergency is controlled, the Manager or delegate shall:

- Declare the emergency over.
- Ensure the scene of the emergency has been barricaded off to allow an investigation.
- Signal return to work, if appropriate, and after a risk assessment has been completed and approved.
- Assess Emergency Response personnel and conduct a debriefing.
- Prepare and collate reports as required.

9.3 Controllers Brief and Communication Cases

The Controllers Brief and Communication Cases is available in the IMT Control Room with the following contents:

- Appropriate vest i.e. Scene Controller / Incident Manager / Crisis Controller.
- Satellite phone with 240 volt charger, car charger and instructions.
- Global Positioning System (GPS) unit and spare batteries.
- iPhone with full internet with access to:
  - MRM Emergency Management Process Chart by Response Level (New).
  - MRM Emergency Response Management Duty Cards (New).
  - MRM Xanthate Emergency Management Plan (New).
  - MRM Cleared Fire Breaks 2017 (New).
  - Bing Bong Emergency Response Management Plan (Revised).
  - McArthur River Emergency Response Management Plan (Revised).
  - Aerodrome Emergency Plan (Revised).
  - Emergencies, Crisis and Business Continuity.
  - Crisis Management Manual.
  - General Spill Response Procedure.
  - Major Concentrate Spill – Trucking Incident.
  - Catastrophic Hazards.
  - Catastrophic Hazard Procedure.
  - Incident Management Procedure.
  - Incident Investigation Guideline.
  - Communication and Engagement Procedure.
  - Managing Electric Shock Procedure.
  - Site Security Procedure.
  - Village Emergency Response Plan.
  - Emergency Response and Site Wide Evacuation.
  - Medical Evacuation Procedure.

- Dyno Nobel Emergency Response Plan.
- Glencore, MRM and Australian Telephone Directory.
- Terrorist / Bomb Threat Record.
- Emergency Response Report Form.
- Internet including Chemalert, Weather Zone, Google Earth Pro etc.
- AIIMS AIDES-MEMOIRE Incident Management Program.

9.4 Emergency Response Coordinator

The Emergency Response Coordinator at the Mine and BBLF is the person who is responsible for the coordination of the Emergency Response Team at an Emergency incident. The Emergency Response Coordinator will be contactable on Radio channel 5 or Landline 89758265 (Fire Station) or Mobile 0407937130, 24 hours a day / 7 days per week.

9.5 Emergency Response Team

It should be noted that these duties are intended only as a guide and are designed in a generic sense. There may be additional tasks that need to be completed or tasks completed in a different sequence due to the nature of the incident. This will be the decision of the Scene Controller in consultation with the Emergency Response Coordinator or Duty Captain after careful analysis of the situation.

Once notified of an emergency, the Emergency Response Team shall:

- Assemble as quickly as possible, by whatever means possible.
- Assess any additional equipment necessary for the emergency.
- Check that their Personal Equipment Kit is ready and available.
- Check mobile phone, satellite phone and radio communications as required.
- Respond to the designated area / carry out response as per training and procedures.
- Adhere to instructions by the Emergency Response Captain or Coordinator and the Scene Controller.
- Assist the Nurse with any medical treatment.
- Ensure all equipment is serviced, cleaned and replaced after use.
- Participate in the emergency debriefing session.
- Prepare reports as required.

9.6 Nurse

After the initial call for assistance, the Nurse shall:

- Proceed to the designated location if deemed necessary.
- Liaise with the Emergency Response Team.
- Provide leadership of the triage, treatment and repatriation of injured personnel.
- Report to the Scene Controller on additional assistance as required.
- Participate in the debriefing.
- Prepare reports as required.

For safety reasons, if the Nurse is required to respond to off-site emergencies, he / she shall be accompanied by a member of the Emergency Response Team.

9.7 Brief of Duties in an Emergency

Table 3 - Brief Duties in an Emergency

DUTY TITLE CARD	REPORTS TO	COMMENTS
All Employees and Contractors	Scene Controller	
Mill Control Operator receiving the Emergency Call	Scene Controller	Answer emergency call, record information and relay information on to Scene Controller.
Scene Controller Level 1 Incident Manager Level 2 Crisis Controller Level 3	General Manager or Delegate	Controls and directs the overall Emergency Management process.
Log Keeper	Incident Manager	Keeps times and details of all decisions and actions.
Nurse	Scene Controller	Coordinate and conduct any medical intervention required.
Emergency Response Coordinator	Scene Controller	Respond to instructions given by the Controller.
Emergency Response Team	Emergency Response Team Captain or Coordinator	Respond to instructions given by the Emergency Response Coordinator.

Note

For further information refer to The MRM Emergency Response Manual Part-2 Duty Cards.

10. Evacuation

10.1 Evacuation Sirens

The Evacuation Siren activation points are located in the following areas:

- Mill;
- HMP;
- Mining;
- Mine Village;
- Bing Bong Plant; and
- Bing Bong Village.

These evacuation sirens shall be tested at designated intervals and maintained.

10.2 Evacuation Point Locations

Evacuation Point locations are located at the following locations:

- Metallurgy Office;
- Mill and Workshops;
- Laboratory;
- The Mine, Mining Offices, EPSA, and Workshops;
- Ammonium Nitrate Compound and Magazine;
- Administration Offices Evacuation;
- Village Evacuation;
- Warehouse Evacuation;
- Bing Bong Evacuation; and
- Airport Evacuation.

Verification of names and numbers of personnel on site is produced each morning, with relevant personnel assigned to print and display the list in specific locations for use in an emergency evacuation.

11. Fire Incident

11.1 General Fire

11.1.1 Reporting Person

The person discovering the fire shall complete the following steps:

1. Check the source of the fire and isolate the source if safe to do so.
2. Notify Mill Control Emergency Operator on radio channel 5 or phone ext. 222 / 89758222.
3. If the fire is in the Mining Area call the emergency on Channel 8.
4. Follow the Emergency Call Procedures.
5. If you can safely extinguish the fire do so, otherwise evacuate the area.
6. Alert other personnel in the area.
7. Evacuate to a safe location.
8. Remain contactable.

11.1.2 Emergency Response

The Emergency Response Team shall complete the following steps:

1. Check for any danger or hazards.
2. Rescue any personnel overcome or threatened by the fire.

3. Exposures are to be protected such as fuel tanks, LPG cylinders, buildings or vehicles.
4. Contain the fire and prevent from spreading.
5. Extinguish the fire urgently and efficiently.
6. Overhaul the remnants of the fire and ensure all hot spots are extinguished thoroughly.

11.1.3 Reporting Person

The person discovering a leak / fire shall complete the following steps:

1. Check the source of the leak / fire and isolate if safe to do so.
2. Notify the Mill Control Operator on radio channel 5 or phone ext. 222 / 89758222.
3. If the fire is in the Mining Area call the emergency on Channel 8.
4. Follow Emergency Call Procedures.
5. If a fire is involved extinguish only if safe to do so, otherwise immediately evacuate.
6. Alert all other personnel in the area.
7. Evacuate to a safe location.

11.1.4 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Check for danger or hazards.
2. Immediately shut off all ignition sources in the case of leaks.
3. Rescue any personnel overcome by a liquid, gas or fire.
4. Protect exposures.
5. Contain the fire or dilute / contain the liquid / gas as recommended in the Safety Data Sheet (SDS).
6. Extinguish fire urgently and efficiently.
7. Overhaul the remnants of any fire and ensure all hotspots are extinguished.

11.1.5 Emergency Evacuation Point Controller

This person maintains and controls the flow of personal traffic around the muster point. The responsibilities of the Emergency Evacuation Point Controller include:

- Put on identification vest marked “Evacuation Controller”.
- Directs personnel arriving at the Emergency Evacuation Point.
- Assign door knockers. Ensure door knockers understand their duties.
- Advise persons not to leave the area until advised by Scene Controller.
- Ensure all persons are accounted for and advise the Scene Controller of the result.

11.1.6 Door Knocker for Office and Village Rooms

This person is to locate and account for all personal and relay directions as specified by the Emergency Evacuation Point Controller. The responsibilities of the door knocker include:

- Proceed to the sections of the office / camp assigned as per the team folders or as directed

- Knock on all doors assigned to you and wait for a response, if the occupant responds direct him to the evacuation point. You may have to give directions as to avoid sending persons into the incident scene
- Do not argue or try to physically remove persons if they refuse to leave, inform the Emergency Evacuation Point Controller and move on
- Inform the Emergency Evacuation Point Controller once you have completed your section and await further instruction.

11.2 LPG Leak or Fire

The person discovering the leak or fire shall complete the following steps:

1. Check the source of the leak or fire and isolate if safe to do so.
2. Call Mill Control Emergency Operator on radio channel 5 or phone ext.222 or 89758222.
3. Contact Emergency Response Team immediately.
4. Alert all other personnel in the area.
5. Evacuate to a safe location.

Note

For leaks or fires involving heat directly impinging on the gas bullets, evacuation of all personnel to a distance of 1000 metres is mandatory until fire is extinguished or gas leak is controlled, and gas has been dispersed.

11.3 Tyre Fire (In the Mine)

11.3.1 Reporting Person

The person/ operator discovering a tyre fire shall complete the following steps:

In the event that the operator of a rubber tyre machine becomes aware of a tyre fire, or the potential for a tyre fire, the initial actions to be taken are:

1. The machine operator will call “Emergency, Emergency” as per the emergency procedure on radio channel 8 and advise the Supervisor of the incident.
2. Depending on the nature of the incident the Supervisor will advise the operator to stop in situ or advise that operator to proceed immediately to the nearest park up area where the machine should be parked on flat level ground. Preferably this will be at a 500-metre isolation area. Ensure there is adequate space around the machine and where an ERT Fire Truck and Mine Water Cart can access the fire safely.

11.3.2 Operator

The operator shall complete the following steps:

1. When the vehicle is in the mine, the vehicle shall be parked with the suspect tyre facing a solid wall. If possible, wheels shall be turned into the straight position.
2. Remain in the cabin of the vehicle unless imminent danger exists.
3. Where the presence of a fire is confirmed by visual or other senses the engine is to be shut down immediately and the fire suppression systems activated. In other instances, the vehicle shall be stopped, gear placed in neutral, and the park brake applied.

Warning

NO attempt to extinguish the fire with a portable extinguisher is to be made. Operators are reminded that under most conditions, they are safest whilst remaining in the cab until assistance arrives and a full assessment has been made of the situation.

11.3.3 Scene Controller - Mining Supervisor

The Mining Supervisor (Scene Controller shall complete the following steps:

1. Declare an emergency on mining radio channels 6, 8, 9 and 10.
2. The Supervisor will activate the Emergency Response Team as per the MRM Emergency Procedure and organise to have the nearest available Mine Water Cart travel towards the incident area.
3. Notify the Mill Control Emergency Operator on radio channel 5 or phone ext.222 / 8975 8222
4. Evacuate all personnel within 500 m radius.
5. Direct the affected vehicle to an isolated area if time permits and it is safe to do so.
6. Direct the operator of the affected vehicle to turn off the vehicle and carry out safe parking procedures.
7. If the affected vehicle is a haul truck, the safe extrication of the operator will be determined by the Mine Supervisor dependent on the severity of the fire and other conditions.

The preferred method of evacuating the operator is to drive a similar style of vehicle to the front of the vehicle involved. Evacuate the operator across a non-conductive platform placed between the two vehicles. The Fire Truck shall be driven in line with the front or back of the vehicle and if possible approaching from the end and side opposite to the compromised tyre in order to place a solid barrier to protect personnel.

If there is a need to evacuate on foot, the operator will descend the ladder or vehicle access as quickly as possible, but with regard to the conditions. The escape route shall be to the front of or to the opposite side of the vehicle to the compromised tyre.

Smaller tyres such as road train tyres, smaller loaders and even light vehicle tyres still carry an explosion risk and should be treated with caution. An exclusion zone shall be set up if it is deemed necessary by the relevant supervisor.

Large tyre explosions have been known to throw debris 300 metres. Therefore an exclusion zone distance of 500 metres radius from large wheeled equipment should be maintained. The demarcation area shall be clearly marked by erecting signage, barrier fencing, tape etc.

Except to evacuate the operator, no person other than Emergency Personnel shall enter the exclusion zone.

A vehicle that has an overheated tyre will remain isolated until a 24-hour period has elapsed since the time the overheating was discovered.

Exemption to an Isolation Period is when the Incident Manager in consultation with a tyre specialist deems it safe.

11.3.4 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. The Emergency Response Team Captain will activate the Emergency Response Team and take charge of the response at the incident scene. The emergency services captain in conjunction with the ERC will coordinate with the mining supervisor to manage the incident.
2. Follow the directions of the Emergency Response Team Captain and Coordinator.
3. Adhere to the training and procedures relating to Heavy Vehicle Tyre Fires and Extinguishment.

11.3.5 Fire Fighting Operations

Where a fire, smoke or elevated temperature is observed to be emitting from or near a wheel the ERT Captain will:

- Consider the evacuation method for the operator.
- For the protection of all emergency services personnel, where practicable, firefighting shall be carried out utilizing a Mine Water Cart coupled to the ERT Fire Truck Monitor or ERT Fire Trailer monitor.
- The ERT Captain will brief the Mine Water Cart operator to approach the ERT Fire Truck with caution and compatibility as per prior training.
- The ERT Captain will remain in constant contact with the Mine Water Cart on a designated channel throughout the operation.
- Where the ERT Captain is required to assist in directing the Mine Water Cart and ERT Fire Truck into position, communication should be by way of two-way radio. Training in this procedure shall be completed as part of the Mine Water Cart operator's assessment.
- In all cases a Risk Assessment should include the feasibility of personnel approaching from behind the protection of other machinery or other protective devices. The protection of life shall, at all times, take precedence over the protection of machinery.

11.3.6 Post Incident Actions and Quarantine Period

- A suspected fire shall be treated as an actual fire. Except for the purposes of firefighting or cooling, the vehicle shall not be approached for 24 hours except with the permission of the Mine Manager of the area, or their Deputy, in consultation with other relevant personnel.
- In the case of a known fire, except for the purposes of firefighting, the vehicle shall not be approached for 24 hours. In this case the 24 hour quarantine period commences only after the last signs of visible fire have been extinguished. Any variation to the quarantine period shall only be authorised by the Mine Manager of the area, or their Deputy, in consultation with other relevant personnel.
- The vehicle should then be approached by only one person for the purpose of ensuring that the tyre or tyres are at normal expected temperature, wherever practicable using a thermographic device (TIC). If normal readings are ascertained then the area may be declared safe and open with the permission of the Mine Manager of the area, or their Deputy.
- The area shall be barricaded and signage in place.

11.3.7 Checking Status of Fire

- Following the quarantine period, a Tyre specialist shall make an assessment of the status of the fire. If fire is observed, or suspected, the quarantine period shall be repeated.
- Where a fire has occurred with dual assemblies the Mechanical Supervisor must ensure that both tyres have been checked for the possibility of an internal, slow burn fire.
- If, in the opinion of the competent persons inspecting the area, the fire is considered out then, with the permission of the Mine Manager or Delegate, the area may be declared clear.

11.3.8 After Fire is out

Once the fire is out and the area has been cleared the following process will be completed by maintenance personnel:

- The tyre will be stripped as per normal procedures.

- The tyre should be returned to the manufacturer or supplier for investigation of the cause of the fire or overheating and to assess the tyres condition.
- For a dual assembly, both tyres shall be treated as suspect.
- Following a lightning strike or contact with power lines, all tyres on the vehicle shall be checked and assessed, by a competent person, before being returned to service.

11.4 Coveyor Belt Fire

11.4.1 Reporting Person

If the fire is small, notify their Supervisor and attempt to extinguish the fire if safe to do so, by attacking the fire with a fire extinguisher or by Fire Hose, whilst doing this care shall be taken to avoid inhaling fumes. Fire extinguishing should be applied from up wind. Whilst this fire-fighting is in progress, the plant operators shall complete the following steps:

1. Call Mil Control and declare an emergency.
2. DO NOT stop the conveyor.
3. Inform Mill Control of which conveyor is on fire.
4. Remove all vehicles from the area.
5. Evacuate all personnel from the area.

11.4.2 Emergency Response

The Emergency Response Team shall complete the following steps:

1. Respond to the Mill.
2. Check for danger and any hazards.
3. Ensure all relevant power isolation has been conducted.
4. Adhere to the training and procedures relating to Conveyor Belt Fires and Extinguishment.

11.4.3 Mill Superintendent

The Mill Superintendent shall complete the following steps:

1. Call the mine for assistance if required.
2. Check for danger and any hazards.
3. Ensure all relevant power isolation has been conducted.

11.5 Concentrate Haul Truck Fire

11.5.1 Reporting Person

The person discovering the fire shall complete the following steps:

1. Call Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.

11.5.2 Mill Emergency Control Operator

The Mill Emergency Control Operator shall complete the following steps:

1. Contact Emergency Response Team Captain.
2. Contact Scene Controller.
3. Contact other external personnel as directed by the Scene Controller and / or ERT Captain.
4. Evacuate personal in area.

11.5.3 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Check for danger and any hazards.
2. Adhere to the training and procedures relating to Concentrate Haul Truck Fires and Extinguishment.

11.6 Bulk Fuel Farm

11.6.1 Reporting Person

The person discovering the fire shall complete the following steps:

If the fire is small, notify their Mine Supervisor and attempt to extinguish the fire if safe to do so, by attacking the fire with a fire extinguisher, whilst doing this care shall be taken to avoid inhaling fumes. Fire extinguishing should be applied from up wind. Whilst this fire-fighting is in progress, plant operators shall:

- Call Mine Dispatch and declare an emergency.
- Inform Mine Dispatch of the Location i.e. Mine Bulk Fuel Farm
- Inform Mine Dispatch of Equipment involved, e.g. Fuel Farm Tanks, Haul Truck etc
- Request ERT Fire Trucks and Foam. Remember foam is the preferred method of fighting fuel fires
- Request Mine Water Carts to attend. Remember water alone is not the preferred method of fighting Class ‘B’ fuel fires
- Remove all other vehicles to a safe area of at least 50 m leaving sufficient space for the ERT Fire Trucks and Mine Water Carts.
- Evacuate all personnel from the area.

11.6.2 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Respond to the Mine Bulk Fuel Farm.
2. Check for danger, wind and any hazards.
3. Ensure all relevant isolation have been conducted. Electricity, Wheel Chocks etc
4. Adhere to the training and procedures relating to Fuel Fires.
5. Both the Aviation / Heavy Equipment Fire Truck and Suburban Fire Truck hold 600 litres of foam total.
6. Additional Bulk Foam is available on the ERT Bulk Foam Trailer.

11.6.3 Mine Superintendent

The Mine Superintendent shall complete the following steps:

1. Call the Mill for assistance if required.
2. Check for danger and any hazards.
3. Ensure all relevant isolations have been conducted.

11.7 Fire on a Surrounding Cattle Station

11.7.1 Reporting Person

The person discovering fire shall complete the following steps:

1. Call the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.

11.7.2 Mill Control Emergency Operator

The Mill Control Emergency Operator shall complete the following steps:

1. Contact Scene Controller (HSEC Manager) to determine course of action.
2. If required contact Emergency Response Team Captain.

11.7.3 Scene Controller

The Scene Controller shall complete the following steps:

1. Determine response required based on severity of the fire, requirements of neighbouring properties or vicinity to operational areas.

11.7.4 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Check for danger and any hazards.
2. Adhere to the training and procedures relating to Scrub Fires and Extinguishment.

11.8 Gas Pipeline Fire

11.8.1 Reporting Person

The person discovering the fire shall complete the following steps:

1. Call Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222 (if external).

11.8.2 Mill Control Emergency Operator

The Mill Control Emergency Operator shall complete the following steps:

1. Contact Scene Controller (HSEC Manager) to determine course of action.
2. Contact Emergency Response Team Captain.
3. Call the Gas Pipeline Emergency Contacts (refer to OSD Emergency Action Plan).

11.8.3 Scene Controller

The Scene Controller shall complete the following steps:

1. Determine response required based on severity of the fire, isolate all roadways for a distance of 1000 meters minimum distance depending on the location, the exclusion zone may need to be increased.
2. Do not attempt to fight the fire or dissipate gas build up.
3. Ensure naked flames or smoking are prohibited from the area.

11.8.4 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Access the OSD Emergency Manual.
2. Check for danger and any hazards.
3. Adhere to the training and procedures relating to Concentrate Haul Truck Fires and Extinguishment.

11.9 Tailing Storage Facility (Fires and Failure)

11.9.1 Reporting Person

The person discovering an issue shall complete the following steps:

1. Call Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222 (external).

11.9.2 Mill Control Emergency Operator

The Mille Control Emergency Operator shall complete the following steps:

1. Contact Scene Controller to determine course of action.
2. Call the Mill Manager / Superintendent to commence mobilisation of mining equipment.

11.9.3 Scene Controller

The Scene Controller shall complete the following steps:

1. Determine response required based on severity of the issue, isolate all roadways for a distance of 500 meters either side on the Carpentaria highway, the exclusion zone may need to be increased.
2. The Incident Manager and Management Team to be notified and formed.
3. In addition to the above, in the event of a Tailings Dam Wall Failure, the:

11.9.4 Environment Superintendent or representative

The Environment Superintendent or a representative shall complete the following steps:

1. Conduct immediate inspection to assess impact on environment.
2. Discuss with the Incident Manager.
3. Immediately notify relevant statutory authorities as required under legislation and/or site licenses and authorisations.
4. Consult with the Metallurgy Civil Engineer to align mitigation measures with the TSF Emergency Response Plans and TSF OMS Manual.

5. Consult with specialists to assist in the design and implementation of an emergency response sampling plan as necessary.
6. Consult with specialists and statutory authorities to assist with the design and endorsement of remediation plan as necessary.

11.9.5 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow instruction and provide assistance to environment team for any initial containment works, sampling or remediation works as directed by the HSEC Manager or Environmental Superintendent.

11.10 Accommodation (Village and Bing Bong Fire)

The person discovering fire shall complete the following steps:

1. Check the source of the fire and isolate the source if safe to do so.
2. Call the Mill Emergency Controller on radio channel 5, phone extension 222 or 89758222.
3. If you can safely extinguish the fire do so, otherwise clear the immediate area.
4. Alert other personnel in the area activate village evacuation siren if required.
5. Activate Village Lighting and follow evacuation procedures.
6. Evacuate personnel to the evacuation point or to an alternate position if smoke is in the evacuation area.
7. No personnel should be allowed to leave this point until advised to do so by the Scene Controller.

11.10.1 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Check for any danger or hazards.
2. Rescue any personnel overcome or threatened by the fire.
3. Exposures are to be protected such as LPG gas cylinders, buildings or vehicles.
4. Contain the fire and prevent it from spreading.
5. Extinguish the fire urgently and efficiently.
6. Overhaul the remnants of the fire and ensure all hot spots are extinguished thoroughly.

11.11 Ammonium Nitrate Storage Shed Fire

11.11.1 Reporting Person

The person discovering the fire shall complete the following steps:

If the fire is small, and not located in the defined ***RED ZONES*** an attempt to extinguish the fire can be made by attacking the fire with a heavy spray of water, whilst doing this care shall be taken to avoid inhaling fumes and be applied from up wind. Whilst this fire-fighting is in progress, plant operators should:

- Check the source of the fire and isolate the source if safe to do so.
- Notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.
- If you can safely extinguish the fire do so, otherwise clear the immediate area.

- Alert other personnel in the area.
- Isolate all electrical, hydraulic and pneumatic power.
- Remove palletised oxidiser (Ammonium Nitrate) from the vicinity of the fire if it is safe to do so.
- Remove all vehicles from the area if it is safe to do so.
- If these efforts are unsuccessful and the fire appears to be getting out of control, evacuate all personnel within one kilometre of the area.

11.11.2 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Refer to the SDS.
2. Check for danger and any hazards.
3. If an attempt is made to fight the fire, personnel should wear SCBA and protective clothing.
4. Water spray may be used to cool down heat-exposed containers.
5. Fight fire from a safe location (RED ZONEs – IMMEDIATE EVACUATION IS REQUIRED)
6. This product should be prevented from entering drains and watercourses.
7. If the fire is deemed out of control, evacuate of all personnel one kilometre.

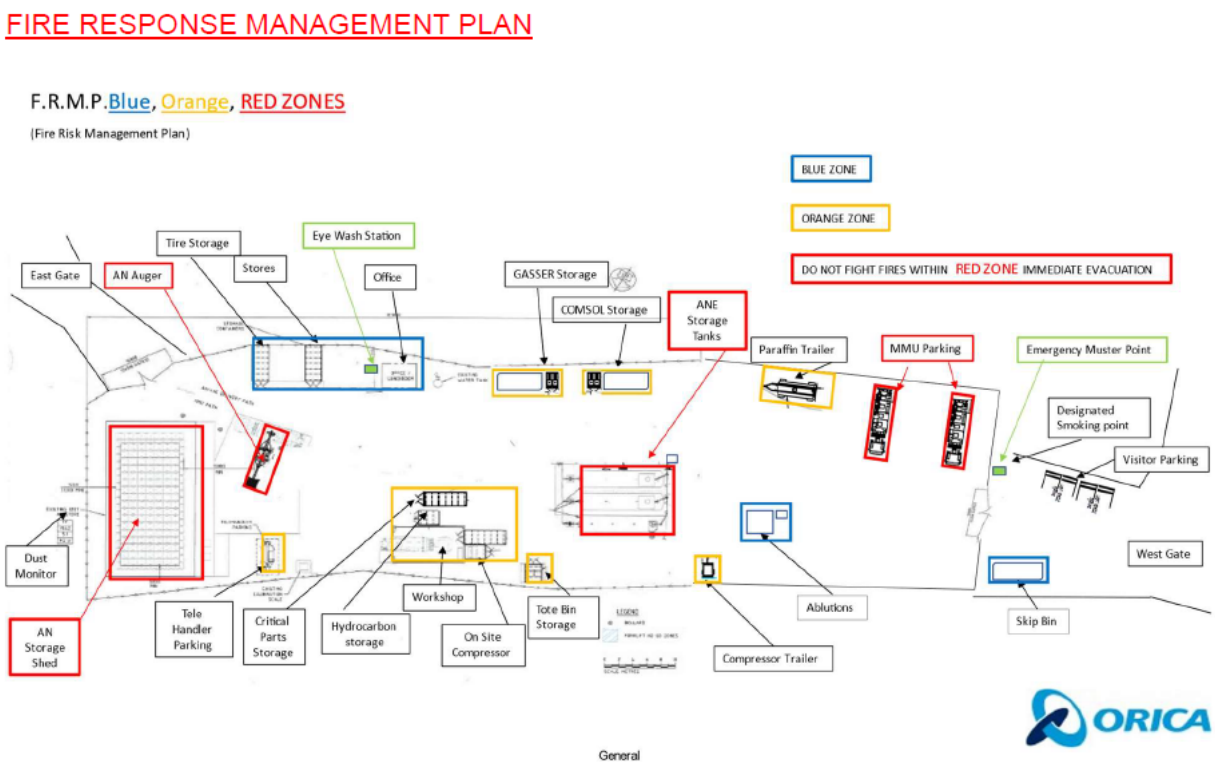

Figure 3 - Fire Response Management Plan

11.12 Explosives Truck Fire

Note

Refer - Dyno Nobel / MRM Emergency Response Plan.

11.12.1 Reporting Person

The person discovering fire shall complete the following steps:

- Trucks or vehicles carrying explosives will be identified with signage on the front rear and sides. Site vehicles also have a blue flashing light in addition to the orange flashing light.
- If the truck is carrying explosives and the fire is out of control do not attempt to put the fire out, stop the vehicle if it is travelling. Park it so that it will not block any roads and evacuate the area and notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222 and advise the requirement to evacuate within a one (1) Kilometre radius.
- If the truck, tyres or load is on fire, and the truck is not carrying any explosives notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222. Attempt to fight the fire with dry chemical extinguishers. If the fire appears to be increasing or getting out of control, evacuate to a safe distance away and wait for further instruction from the Scene Controller.

11.12.2 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow the relevant SDS / HB76.
2. Check for danger and any hazards.
3. Ensure all power isolation has been conducted.
4. Use water-fog to cool intact containers and nearby storage areas.
5. Use SCBA and protective clothing.
6. Be aware that this product has a risk of violent reaction or explosion and evacuate the scene when instructed to do so.

11.13 MIBC Tank Fire (Methyl Isobutyl Carbinol)

11.13.1 Reporting Person

The person discovering fire shall complete the following steps:

Notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.

An attempt to extinguish a small fire can be made by attacking the fire with a foam fire extinguisher. Whilst doing this care shall be taken to avoid inhaling fumes and the foam extinguisher shall be applied from up wind.

- If the fire is not able to be extinguished, then the Mill area evacuated.
- Isolate all electrical, hydraulic, and pneumatic power.

Evacuation to the Mill evacuation point will be via a route behind the flotation and filter cranes and then along the main access road (staying close to the water treatment plant fuel bowsers) to the Metallurgy offices. Evacuation route or point may be altered by the Scene Controller to ensure the safety of personnel.

11.13.2 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow the relevant SDS / HB76.
2. Check for danger and any hazards.
3. Ensure all power isolation has been conducted.
4. Use alcohol resistant firefighting foam.
5. Use Water-fog to cool intact containers and nearby storage areas.
6. Use SCBA and Protective Clothing.
7. Be aware that this product has a risk of violent reaction or explosion.

11.14 Xanthate

Note

Refer to MRM Xanthate Emergency Management Plan

11.14.1 Reporting Person

The person discovering a fire or smoke shall complete the following steps:

1. Notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.
2. There is a plan to handle Xanthates in a smoking or fire state.
3. Stay upwind.
4. Isolate all electrical, hydraulic, and pneumatic power.
5. Remove all vehicles from the area is safe to do so.
6. Evacuate all non-ERT personnel to the Mill Evacuation Point.

11.14.2 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow the MRM Xanthate Emergency Management Plan.

11.15 Flood Water Rescue

11.15.1 Reporting Person

Where there are personnel and or equipment in flood waters the reporting person shall complete the following steps:

1. Call Mill Control and declare an emergency.

11.15.2 Emergency Response

The Emergency Response Team shall complete the following steps:

1) Respond to the emergency scene.

2) Check for danger and any hazards.
3) Ensure they have called for the immediate delivery of a watercraft (boat) with oars and lifejackets. There may be a need for multiple watercrafts.
4) Develop and discuss an agreed rescue plan.
5) Rescuers shall wear life jackets and additional PPE.
6) Attach a rope to the boat before it is launched and assign a person to control the rope.
7) Ensure there is control over the watercraft at all times and when it is returning to land.
8) Where personnel need rescue ensure they are provided with life jackets.
9) Assign one person that controls all communications with the watercraft.
10) Place personnel downstream to monitor the safety of any person who may be dislodged from trees or be washed downstream.
11) Where possible, establish a grab line downstream.
12) If rescue personnel are walking into flood waters they shall have a life jacket, harness and be attached to a controlled rope or winching system.
13) Evacuate personnel from the incident scene and implement area controls.
14) Ensure any personnel that have been rescued are transferred to the Medical Centre immediately.

12. Environmental Incident

12.1 Waste Discharge with potential to cause Serious Environmental Harm

12.1.1 Reporting Person

The person discovering the issue shall complete the following steps:

1. Contact Environment Superintendent or on-site representative.
2. Contact Dewatering Leading Hand on 0429021800.
3. Follow instruction for any initial response or containment actions as directed by Environment Superintendent or on-site representative.

12.1.2 Environment Superintendent or representative

The Environmental Superintendent or representative shall complete the following steps:

1. Ensure no ongoing discharge or action that furthers environmental harm.
2. Notify the Senior Management Team.
3. Conduct immediate inspection to assess impact on environment.
4. Follow PRO-2600047 General Spill Response if applicable.
5. Immediately notify relevant statutory authorities as required under legislation and/or site licenses and authorisations.

6. Consult with specialists to assist in the design and implementation of an emergency response sampling plan as necessary.
7. Consult with specialists and statutory authorities to assist with the design and endorsement or remediation plan as necessary.
8. Follow Communication Plan Waste Discharge Licence (WDL174-16).

12.1.3 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow instruction and provide assistance to environment team for any initial containment works, sampling or remediation works as directed by HSEC Manager or Superintendent Environment and Community.

12.2 Major Concentrate Spill

12.2.1 Reporting Person

The person discovering the issue complete the following steps:

a) Notify the Mill Control Emergency Operator on radio channel 5, phone extension 222 or 89758222.

b) Follow the PRO-2200002 Major Concentrate Spill – Trucking Incident.

12.2.2 Environment Superintendent or Representative

The Environment Superintendent or Representative shall complete the following steps:

1. Notify the Senior Management Team.
2. Conduct immediate inspection to assess impact on environment.
3. Follow PRO-2200002 Major Concentrate Spill – Trucking Incident.
4. Immediately notify relevant statutory authorities as required under legislation and/or site licenses and authorisations.
5. Implementation of an emergency response sampling plan as necessary.
6. Consult with specialists and statutory authorities to assist with the design and endorsement or remediation plan as necessary.

12.2.3 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow instruction and provide assistance to environment team for any initial containment works, sampling or remediation works as directed by HSEC Manager or Environmental Superintendent.

12.3 Mass Fauna (Fish) Kill

12.3.1 Reporting Person

The person discovering the issue complete the following steps:

1. Contact Environment Superintendent or on-site representative.

2. Follow instruction for any initial response or containment actions as directed by Environment Superintendent or on-site representative.

12.3.2 Environment Superintendent or Representative

The Environmental Superintendent or representative shall complete the following steps:

1. Notify the Senior Management Team.
2. Conduct immediate inspection to assess impact on environment.
3. Immediately notify relevant statutory authorities as required under legislation and/or site licenses and authorisations.
4. Conduct initial investigation to determine possible causes of fish kill.
5. Implementation of an emergency response sampling plan as necessary.
6. Consult with specialists and statutory authorities to assist with the design and endorsement or remediation plan as necessary.

12.3.3 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow instruction and provide assistance to environment team for any initial investigation works, sampling or remediation works as directed by HSEC Manager or Environmental Superintendent.

12.4 Flood Waters Overtopping NOEF Flood Barriers

12.4.1 Reporting Person

The person discovering the issue shall complete the following steps:

1. Contact Manager - Projects and Water or on-site representative.
2. Follow instruction for any initial response as directed by Manager - Projects and Water or on-site representative.

12.4.2 Projects and Water Supervisor or delegate

The Projects and Water Supervisor or delegate shall complete the following steps:

1. Notify the Senior Management Team.
2. Notify the Environmental Superintendent or onsite representative.

12.4.3 Environmental Superintendent or representative

The Environmental Superintendent or representative shall complete the following steps:

1. Conduct immediate inspection to assess impact on environment.
2. Immediately notify relevant statutory authorities as required under legislation and/or site licenses and authorisations.
3. Implementation of an emergency response sampling plan as necessary.
4. Consult with specialists to assist with the design and endorsement of remediation plan as necessary.

5. Consult with statutory authorities to obtain approval for the remediation plan, including approval for any temporarily permitted releases.
6. Please note, the strategy shall be to release the water from the NOEF into the receding flood waters as soon as possible, to dilute the concentration of contaminates to acceptable WDL limits. This should involve:
7. Preparations to start releasing water from the NOEF area, once the water has receded below the crest of the flood barrier system.
8. This could be achieved by siphons, pumps and/or deliberately breaching the flood barrier system. (Note: The extraction or release points would be in the lower topographic areas around the dump, for example the original creek beds in the South East and North East of the NOEF).
9. Before the flow of flood waters decrease to levels where dilution of contaminates is reduced to unacceptable limits (as determined by the dilution calculator), cease releasing (if possible) and retain the remaining water in the contaminated water system.
10. If the breach method was used, the breach shall be repaired following the emergency release to reinstate the flood barrier.

12.4.4 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Follow instruction and provide assistance to environment team for any initial containment works, sampling or remediation works as directed by HSEC Manager or Environmental Superintendent.

13. Other Emergency Incidents

Other Emergency Incidents that may occur include:

- Earthquake / tsunami;
- Cyclone procedures;
- Storm surge;
- Hazardous substance;
- Exposure to sulphur dioxide (SO2);
- Medical Pandemic;
- Suspicious activities;
- Protestors;
- Unauthorised access;
- Bomb threat;
- Terror related;
- Electric shock;
- Mobile equipment in contact with power cables;
- External emergency;
- Missing persons;

a) Highwall or void failure;

b) Flooding in the Mine; and

c) Plane / helicopter crash.

14. Incident Management Control Room

The Incident Manager should determine the Incident Management Control Room location at the time of a Level 2 and Level 3 emergency or incident, depending on the location and other safety factors.

The preferred IM Control Room is the Main Administration Board Room. This room is specifically set-up for this occurrence.

In the event of a site evacuation the MST Office at the village can be utilised.

The Darwin Office will be the preferred IM Control Room offsite.

15. Fatalities

In the event of a fatality or fatalities, the body/s shall not be moved in any way, unless first aid treatment is ongoing or there is potential for a body to be damaged or destroyed.

Fatalities should be covered using Body Bags for the wellbeing of bystanders and the area around the scene isolated and barricaded to prevent unauthorised entry.

No personnel are permitted to disturb the scene, move equipment or remove objects until a police investigation has been completed or the Police have advised the body may be removed.

No persons, other than those directed by the Scene Controller, are permitted to take photographs of the scene or any deceased person/s.

All next of kin notifications shall be managed by the Incident Controller.

16. Media

No MRM employee, contractor, sub-contractor or visitors are to talk to the media.

If personnel are approached by a journalist or media representative asking questions, you are to take their name, type of media and company they represent and pass on to MRM Community Relations or your manager.

Make no comments or answer any questions to a reporter / journalist.

17. Recovery

Recovery after an emergency is a critical step in ensuring another emergency does not follow or is not caused by the residual effects of the initial emergency.

The following outlines the responsibilities for recovery of the site to normal condition:

17.1 Scene Controller

The Scene Controller shall complete the following steps:

1. Complete a comprehensive risk assessment of the area and emergency outcomes to ensure a safe system of work can be re-instated before a return to work is permitted.
2. Declare emergency over when satisfied that all personnel are accounted for & recovery operations can safely begin.
3. Ensure a debrief is held, documented and any corrective actions assigned.
4. Ensure lessons learned are communicated to the others sites as appropriate.
5. Ensure that evidence that may be required for investigation purposes are not disturbed by the recovery operation.
6. Hand control of operational areas back to Managers, Superintendents as applicable.
7. Ensure processes are in place for a safe resumption of normal operations.
8. Ensure the ERT and Nurse have returned to pre-emergency preparedness.

17.2 Nurse/s

The Nurse shall complete the following steps:

1. Ensure medical centre is restocked/ cleaned as required.
2. Ensure ambulance is restocked/ cleaned as required.
3. Attends debrief if applicable.

17.3 Emergency Response Team

The Emergency Response Team shall complete the following steps:

1. Ensure all emergency response equipment is replaced as required.
2. Ensure that all equipment is operationally ready.
3. Ensure emergency response team have been debriefed.
4. Ensure emergency response team fatigue levels are assessed, including the nurse prior to being allowed back to their respective work areas.

18. Service Agreements

Service Agreements, communication mechanisms and mutual assistance agreements with external emergency agencies and local authorities for the provision of aided rescue and support where available have been established.

19. Measurement and Evaluation

19.1 Review and Improvement

A review of the Emergency Response Management Plan will be conducted, as part of the MRM Safety Management System Review at five yearly intervals, and/or when triggered by any event or event finding(s).

In addition, the HSEC Manager will review the Plan on an annual basis or prior to the mine being extended into any new area.

Hazard Reporting, Planned Task Observations (PTO) and Critical Control Verifications (CCV) shall be completed by nominated MRM personnel in accordance with the schedule prepared for the site.

MRM has completed an audit to identify gaps against legal requirements, relevant international standards, and this protocol and treatment plans have been developed.

Should a review or audit of this Plan determine a deficiency, corrective action must be undertaken to rectify the deficiency as soon as practical.

Where possible new and emerging technical solutions are identified, tested and applied to reduce or eliminate emergency scenarios and associated risks to workers.

Any changes to the Emergency Management Plan are to be communicated to all personnel in line with the MRM *Change Management Procedure (PRO-GV-0002-2600069)*.

19.2 Reporting

Where an Emergency Response hazard or incident is identified, or incident has occurred it will be reported and investigated in accordance with the MRM *Incident Investigation Procedure (PRO-GV-0013-2600063)*.

Recommendations from investigations will be reviewed and actions will be assigned and entered into the HSEC Database (BSAFE). Statutory notifications will be made where required.

MRM receives safety alerts from GZAA, the Inspectorate and various other sources. Each of these safety alerts is reviewed by the Senior Leadership Team (SLT). Where a safety alert is applicable to MRM in relation to this Plan, the recommendations must be reviewed to determine if action is required to prevent a similar incident at site.

19.3 Record Keeping

Relevant records will be maintained in accordance with legislative requirements and the MRM Document Control Procedure and made available through the Intranet.

20. Emergency Response Equipment and Training

MRM has fully functional emergency response plant and equipment that is capable of responding to all known emergencies that may occur.

All emergency response equipment is located at facilities at the MRM Fire Station and the BBLF Fire Station.

Emergency Response plant and equipment testing schedules have been developed and are carried out by competent personnel.

Authentic exercises and drills support a comprehensive competency based ERT training program. There is also a program of high-level scenarios, generally every 6 months, to test the IMT and CMT functions.

Regular emergency response training, awareness and drills are provided for all personnel.

The provision of first response equipment including firefighting, first aid, trauma kits and defibrillators (based on risk assessment) are readily accessible and clearly signposted.

The identification, maintenance and sign posting of emergency evacuation points and processes to verify that all personnel have been accounted for have been established.

21. Testing of Emergency Equipment

Evacuation siren, Emergency phone, Emergency radio and Emergency procedure information in Mill Control must be tested every Wednesday at 0700 hrs. There should be a prompt message on the DCS to help remind people.

21.1 Evacuation Siren Testing

- Make a general call to all personnel on VHF radio ch. 7 stating that you are going to test the evacuation sirens.
- Activate the siren for about 30 seconds.
- Get conformation that the siren at the primary cyclone tower, process water tank and concentrate shed are working.

21.2 Emergency Phone Testing

- Dial 222 (use any phone other than the emergency phone)
- Check that the ring tone can be heard clearly in the control room.
- Let it ring out (7 rings) to check that it switches to ERT Coordinator phone 121. When answered confirm this is a phone test.

21.3 Emergency Radio Testing

- Use the dedicated channel 5 VHF radio and call for a “radio check on channel 5”.
- Make sure that the response is loud and clear. (The set volume must be loud enough to get attention in the control room.)

21.4 Emergency Procedure Information

- Check that the area around the Emergency radio and phone is clear of clutter.
- Check that the phone contact lists are current.
- Check that the Emergency Response Plan MPN-2600001 is present and there are spare Emergency Response Report Form FRM-2600130 forms.

22. Accountabilities

Roles and responsibilities required for the implementation of this Plan are outlined in below.

Table 4 - Accountabilities

ROLE	RESPONSIBILITIES
General Manager	Review the contents of the Plan and approve for the document to be added to the HSEC Document Management System. Provide resources to ensure compliance with this procedure. Authorise changes made to this document
MRM Management Team	Communicate the requirements of this document Ensure the requirements are implemented, reviewed and where possible improved Ensure personnel comply with relevant requirements
Superintendents and Supervisors	Communicate the requirements of this document and ensure workers are aware of relevant documents Ensure the requirements are implemented reviewed and where possible improved Ensure personnel comply with relevant requirements
ESP personnel	Assist personnel to comply with relevant requirements and provide support to key stakeholders
All employees	Comply with relevant requirements of this Plan

22.1 Incident Management Accountabilities

Table 5 - Incident Management Accountabilities

ROLE	RESPONSIBILITIES
General Manager	Field external enquires regarding the incident and personally contacts family members in the case of a serious injury or fatality.
Managers	When advised of a serious injury / fatality, check that the personal information on the casualty is correct and that the Human Resources department has been advised of all details. Verify that the General Manager has been informed of all details to hand; and follow up to ensure relevant family members have been contacted if necessary.

ROLE	RESPONSIBILITIES
Scene Controller Incident Manager	Retains overall responsibility in Emergency Response situations. Once notified of an emergency: • Confirm Emergency Response and Medical in underway. • Inform the General Manager and Area Manager. • Direct personnel to assist in emergency response as required. • Allocate resources; and Communicate with external parties/services. • Once the emergency is controlled, the Scene Controller / Incident Manager shall: • Declare emergency over; • Ensure the scene of the emergency has been barricaded off to allow an investigation into the incident to occur; • Signal return to work, if appropriate; • Assess emergency response, and conduct a debrief meeting; and • Prepare and collate reports as required.
Supervisors	Ensure an emergency call has been made. Check if the Scene Controller has been notified. Oversee the evacuation of the area if required, account for all personnel. Provide an escort for Emergency Response Vehicles as required. Assist the Scene Controller and ERT as required. Secure the incident scene and ensure it remains undisturbed until advised by the Scene Controller.
Nurse	Assume sole responsibility of the triage, treatment and repatriation of injured personnel. Report to the Scene Controller on additional assistance as required, e.g. Careflight. Participate in the emergency debrief and prepare reports as required.
Emergency Response Coordinator	Assist the Scene Controller and coordinate the Emergency Response Team. Ensure the ERT is in a state of readiness in the event of an emergency. Maintain and ensure adequate resourcing of Emergency Response Equipment. Ensure the Site Emergency Response Plan is reviewed and updated annually.
Emergency Response Duty Captain	Respond to instructions given by the EC. Assemble the ERT and report to the designated area as directed by the EC. Carry out instructions as directed by the EC. Participate in the emergency debrief. Prepare reports as required.
Emergency Response Team Members	Follow directions as instructed by the Emergency Response Duty Captain (EC). Not put yourself or others in danger.

ROLE	RESPONSIBILITIES
Employees	Follow all instructions as directed by the Scene Controller. Participate in any required activities relating to the emergency, e.g. assistance, investigations, and debriefings. Do not hinder any part of the emergency activity. Any person found guilty of hindering the Scene Controller or member of the Emergency Response Team in the performance of their duty during an emergency may be prosecuted under State and Federal law and will be subject to discipline under the MRM behaviour code.
Mill Control Room Operator	Receive the emergency call, obtain the relevant details, and brief the Emergency Response Captain / Coordinator and Incident Management Team if required. During an emergency, all communication relating to the emergency shall be conducted on the Emergency Channel i.e. Channel 5.

Table 6 - Incident Management Accountabilities

23. Document Information

Relevant legislation, standards and other reference information must be regularly reviewed and monitored for updates and should be included in the site management system. Related documents and reference information in this section provides the linkage and source to develop and maintain site compliance information.

23.1 Related Documents

Related documents, listed in Table 4 below, are documents directly related to or referenced from within this document.

Table 7 - Related Documents

NUMBER	TITLE
MPN-GV-0002-2600023	Risk Management Plan
MAN-IN-0001-2600017	Crisis Management Manual
MAN-IN-0013-2600001	Emergency Response Management Manual Part 1 - Incident Command and Control System
MAN-IN-0027-2600002	Emergency Response Part 2 - Duty Cards
MPN-3310001	Orica / MRM Emergency Response Management Plan
MPN-FH-0025-2600038	FHP 07 Emergency Response
MPN-EM-0039-2600003	Xanthate Emergency Management Plan
MPN-EM-0027-2300002	Aerodrome Emergency Plan
MPN-CH-0020-2600030	Catastrophic Hazards Management Plan

NUMBER	TITLE
MPN-EM-0027-2700002	Borroloola Local Emergency Plan
MPN-EM-2800-4300003	Tailings Storage Facility Emergency Preparedness and Response
MPN-2600027	OSD Power and Water Corporate Emergency Management Plan
MPN-EX-0013-2600029	BOKO Emergency Response For MRM
MPN-EM-0027-2600029	Emergency Response Plant and Equipment Register and Engineering Management Plan
PRO-GP-0027-2600103	McArthur River Mine Village Evacuation Procedure
PRO-GV-0002-2600060	Risk Management Procedure
PRO-GV-0002-2600069	Change Management Procedure
PRO-GP-0027-2600065	Emergency Crisis and Business Continuity Procedure
PRO-GP-0007-2800005	Medical Evacuation Procedure
PRO-2600047	General Spill Response Procedure
PRO-2200002	Major Concentrate Spill – Trucking Incident
PRO-2600061	Catastrophic Hazard Procedure
PRO-2700005	Communication and Engagement Procedure
PRO-OP-0026-2600033	Managing Electric Shock Procedure
PRO-OP-0027-2600044	Emergency Response - Local and Site Wide Evacuation
PRO-GV-0013-2600063	Incident Investigation Procedure
FRM-2600107	Terrorist / Bomb Threat Record
FRM-ER-0027-2600024	Emergency Response Report Form
FRM-CC-0027-2600214	Fatal Hazard Protocol 07 Emergency Response Critical Control Check
FRM-CC-0027-2600103	Fatal Hazard Protocol 07 Emergency Response Critical Control Verification Audit
	MRM Emergency Management Process Chart by Response Level
FRM-EM-0027-2600105	Emergency Response and Phone Communications Log Form
FRM-GF-0027-2600103	Emergency Response Debrief Record
TAR-DP-0027-2600126	Cyclonic Weather TARP
GDL-IN-0027-2600001	Emergency Response Duty Cards

NUMBER	TITLE
SHEC-AUS-FOR-EMG-001	ORICA (McArthur River Mine) Emergency Plan
MAP-2200001	MRM Fire Break Map
PPT-TR-0006-2600044	Bsafe Incident Management for Leaders

23.2 Reference Information

Reference information, listed in the table below, is information that is directly referred to for the development of this document.

Table 8 - Reference Information

REFERENCE	TITLE
	Work Health and Safety (National Uniform Legislation) Act 2011 (WHS (NUL) Act
	Work Health and Safety (National Uniform Legislation) Regulations 2011 (WHS (NUL) Regulations.
	Glencore Guideline for Catastrophic Hazards and Critical Controls Requirements
	Northern Territory of Australia Coroners Act
	Work Health and Safety Act (National Uniform Legislation) Act 2011
	Internet including Chemalert, Weatherzone, Google Earth Pro and Area Map
	AIIMS AIDES-MEMOIRE Incident Management Program
	Communication Plan Waste Discharge Licence (WDL174-16)
	TSF Domain Dam Safety Emergency Plan Rev 2
	TSF Domain OMS Manual Rev 3

23.3 Change Information

Full details of the document history are recorded in the document control register, by version. A summary of the current change is provided in the table below.

Table 9 - Change Information

VERSION	DATE	REVIEW TEAM	CHANGE DETAILS
1.0	2016		Refer to document archive for details
8.0	2020		MRM cross section of workers (refer to the FHP 01 Risk Management Report)

VERSION	DATE	REVIEW TEAM	CHANGE DETAILS
9.0	2022		Updated document
10.0	01/06/2023	K. Bendeich, B. Treasure	Document reviewed and updated
11.0	01/10/2023	C. Mills	
12.0	18/01/2024	K Bendeich	Document updated in Section 6 to reflect the introduction of new plant or equipment
13.0	20/05/2024	B. Treasure	Added 1.5 Flood Water Rescue
14.0	21/02/2025	M. Pie	Version control on reference documents.

Appendix A - Exclusion Zones

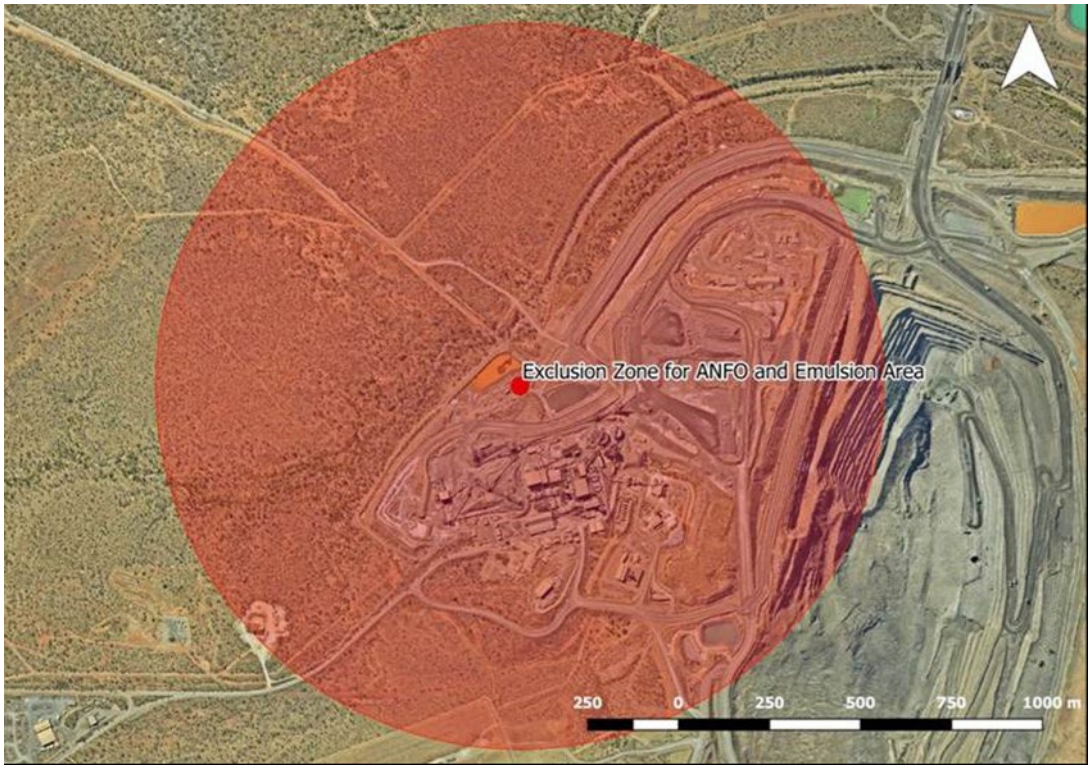

Figure 4 - Exclusion Zone for Dyno Storage Shed and Emulsion Storage

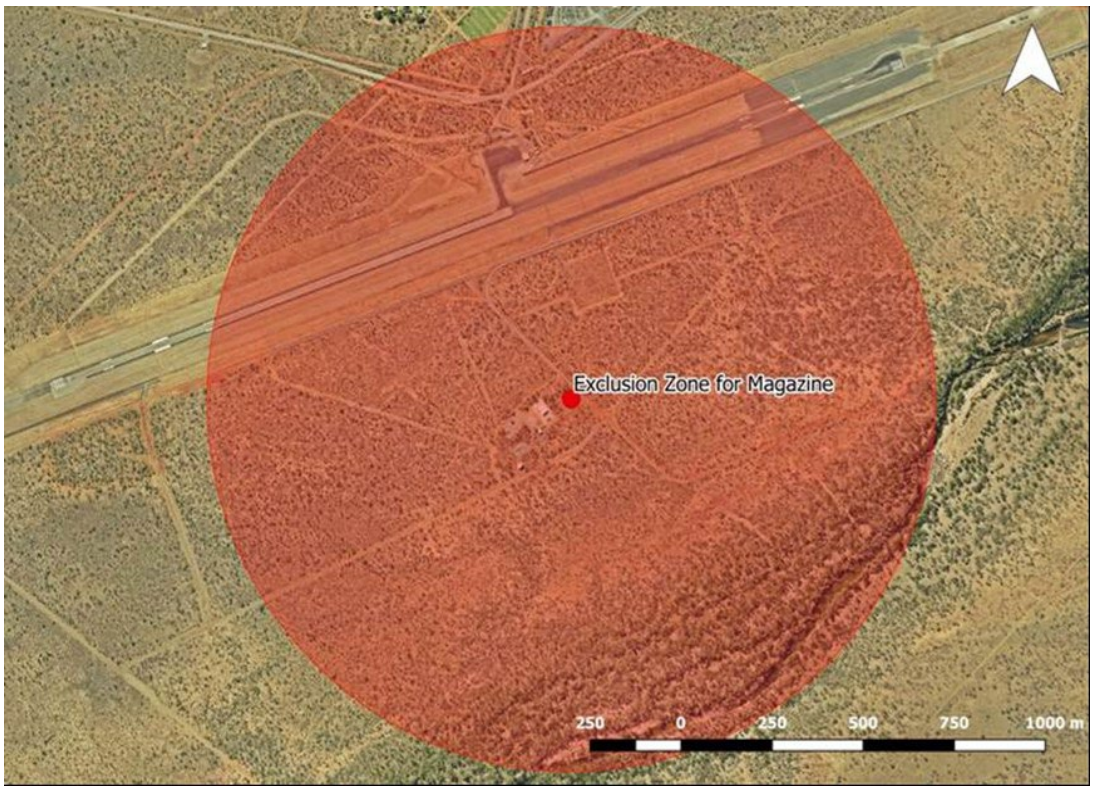

Figure 5 - Exclusion Zone for Explosives Magazines

Appendix B - Evacuation Points

Figure 6 - Evacuation Point Mine Village

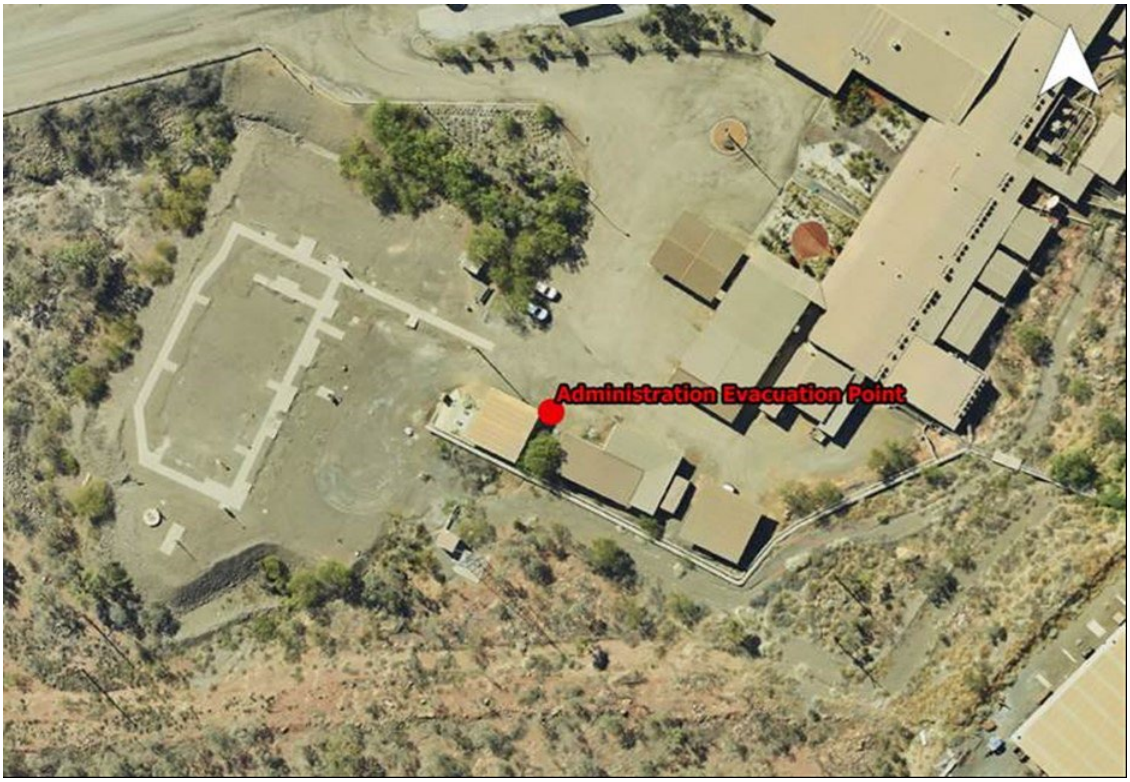

Figure 7 - Evacuation Point Mine Administration

Figure 8 - Evacuation Point Mill

Figure 9 - Evacuation Point Mining Office and L/V Workshop

Figure 10 - Evacuation Point Old Power Station

Figure 11 - Evacuation Point New Power Station

Figure 12 - Evacuation Point Heavy Medium Plant (HMP)

Figure 13 - Evacuation Point Airport

Figure 14 - Evacuation Point Go Line Crib Hut

Figure 15 - Evacuation Point ESPA Workshop

Figure 16 - Evacuation Point Stores and Ostijic

Figure 17 - Evacuation Point Bing Bong Plant and Village

Appendix C - Regional Maps

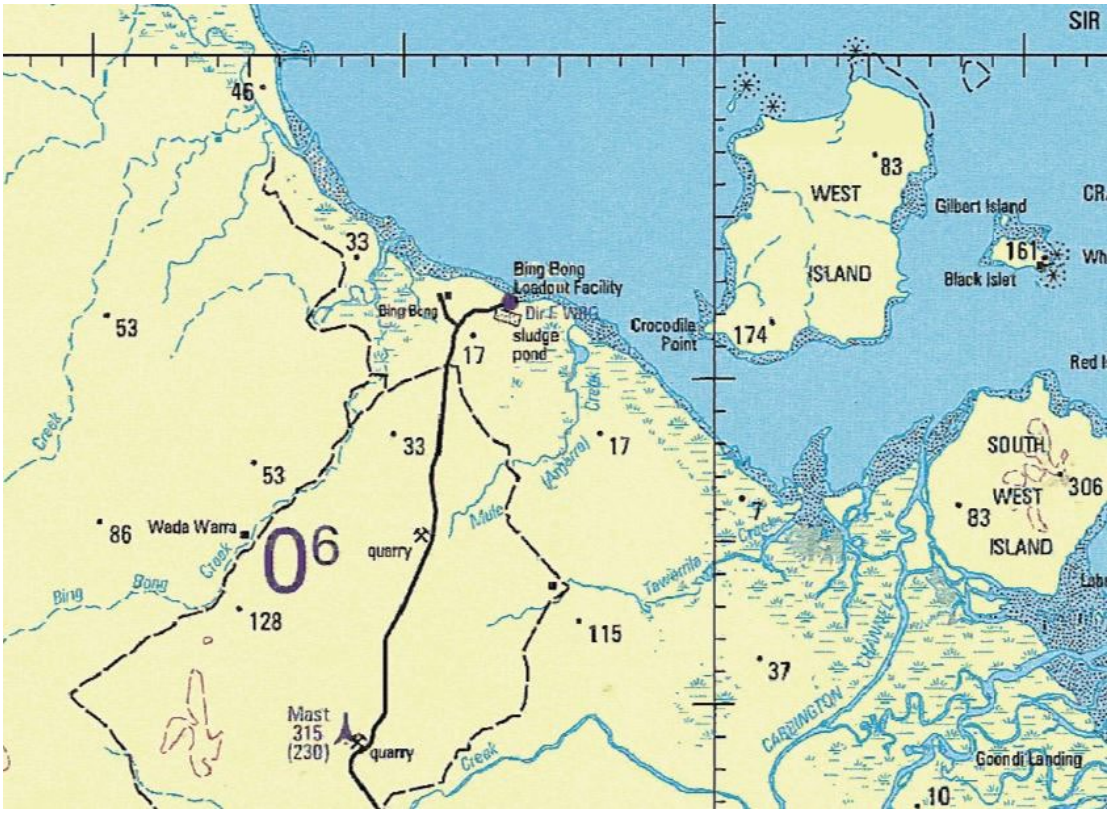

Figure 18 - Regional Map Bing Bong Loading Facility

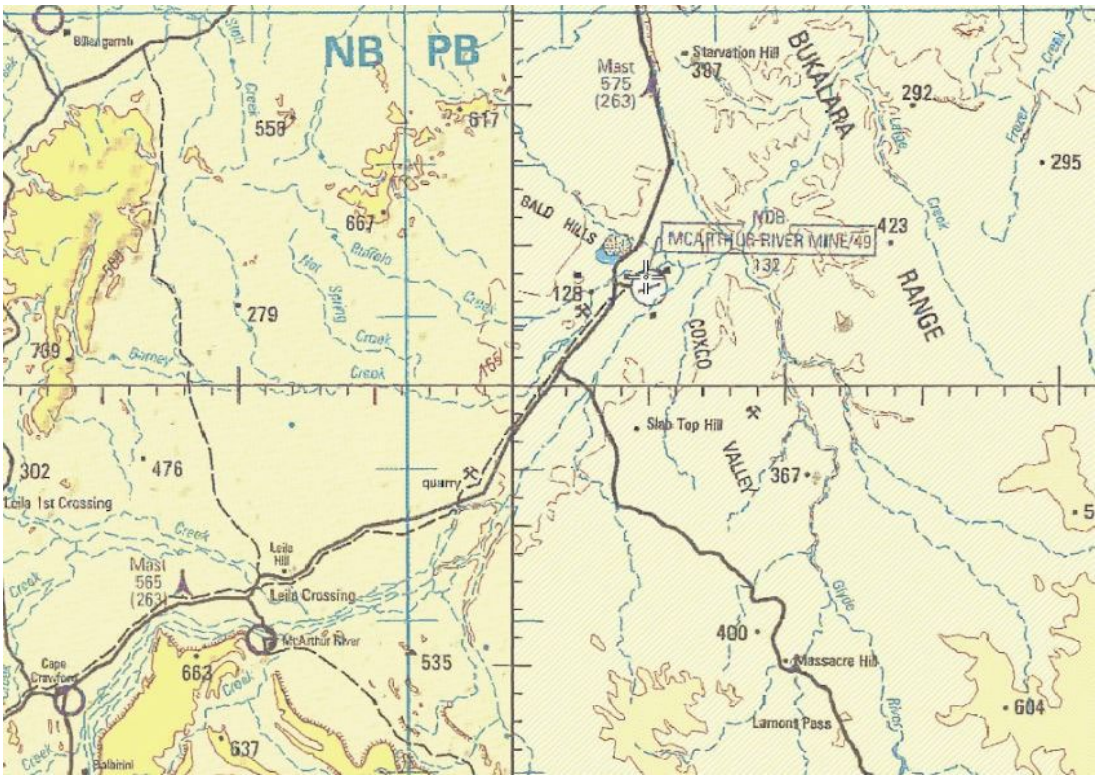

Figure 19 - Regional Map McArthur River Mine