

EMERGENCY AND DISASTER PROCEDURE FOR THE KMT PROJECT KOLWEZI

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1. OBJECTIVE

To ensure that through providing emergency procedures and guidelines that in the case of an emergency, personnel will be able to act swiftly and decisively. Such procedures and guidelines if followed will prepare staff to handle, rectify and/or minimise emergencies that will potentially affect construction activities, protect all employees and assets on the construction site.

2. SCOPE

This is the emergency plan for handling emergencies on the KMT Kolwezi Project that will affect or threaten to affect the health and safety of employees and assets.

3. INTRODUCTION

The Construction Manager and his associated staff are committed to the health and safety of personnel and assets on their construction sites. Without proper guidance and training it is almost certain that when employees are faced with a sudden threat, they will follow their own natural inclination which could result in chaos and panic. The effect of an uncontrolled emergency situation could be catastrophic and cause complete disruption of all construction activities, damage to property, serious injury or death.

It is essential that corrective action taken to cope with an emergency will be prompt, coordinated and disciplined in order to prevent disaster. Not all the aspects of this emergency plan will be applicable in every situation, as this plan suits local circumstances and only acts as a guideline. One essential common feature is the necessity for efficient communications. The Construction Manager or his nominee, the Project Safety Manager/Officer must be advised immediately of an emergency and be kept informed of all the developments.

4. DEFINITIONS

4.1 Disaster/Emergency

An uncontrolled, unplanned event that has the potential to result in the loss of life, serious injury or major damage to property.

There are normally three types of disasters or emergencies, namely:

- Natural disasters - earthquakes, lightning, storms, floods, etc.
- Man-made disasters - malfunctioning of equipment and or machinery, negligent behaviour resulting in explosions, fire, chemical spills, etc normally causes them.
- Disaster caused by deliberate actions of an individual or group of individuals such as sabotage, labour unrest, strikes, riots and bomb blast or bomb threats.

5. EMERGENCY COMMITTEE

- The emergency committee's main function is to ensure that in case of an emergency all individuals are certain what role they have to play to prevent, control and take corrective action. The committee will comprise of the following persons:
- KMT Construction Manager = (W.DuPlessis /D.Mallet)
- Emergency Controller = Project Safety Manager
- Emergency Coordinator = Project Managers
- Mine Health and Safety Act Regulation 2.6.1and 2.17.1 appointees of all contractors on the Construction Site.

6. PREVENTION OF EMERGENCIES

Apart from natural disasters, unavoidable incidents and deliberate attacks, all efforts must be directed at the prevention of any emergency prior to it occurring. This will require all personnel to stand up and be counted for in terms of taking responsibility as far as Safety and Health is concerned on the Construction Site.

Personnel must acquire a positive attitude towards safety that will recognise safety and health as the prime requirement for working efficiently. They must promote and foster this attitude with all staff on the Construction Site.

7. PREPAREDNESS

The success rate of containing any emergency will always depend on how well prepared a team is when an emergency occurs. It is thus extremely important that every emergency committee member and every single person on the Construction Site, as far as reasonably practicable, must be familiar with the contents of this emergency document.

Regular practice of evacuation drills must be conducted to ensure that all personnel are aware of evacuation routes and assembly points and what to do in case of an emergency.

8. RESPONSIBLE FOR IMPLEMENTATION

All Mine Health and Safety Act Regulation 2.6.1, 2.9.2 and 2.17.1 appointees of all contractors on site including management are responsible to ensure that their sub-ordinates are familiar with this procedure and implemented accordingly.

9. RESPONSIBLE FOR REVIEW

The Project Safety Manager/Officer in consultation with the emergency committee is responsible to review this procedure, depending on the change in construction activities or on an annual basis.

10. EMERGENCY CONTROL CENTRE

Emergency control centre will be the KMT Boardroom unless otherwise decided by the Construction Manager.

EMERGENCIES

11. PROCEDURE IN CASE OF FIRE

11.1 The person detecting a fire must inform and let other personnel evacuate the area immediately following the evacuation routes to the demarcated assembly points and sound the alarm.

11.2 Notify the most senior person available in the area where the fire has occurred and try to fight the fire with the nearest relevant fire fighting equipment. But only if it is safe to do so. The most senior person on the scene must notify the Safety Manager / Officer immediately.

Note: Prevailing winds to be taken into account in the selection of the assembly point.

At the assembly point:

- Take roll call.
- Assist and apply First Aid to the injured.
- Do not attempt to enter areas where there is an accumulation of smoke or possible accumulation of gasses.
- Notify the clinic sister and call out the ambulance.

11.3 The Construction Manager or his delegate, together with his associated staff is to help in attempting to extinguish the fire, but only if it is safe to do so.

11.4 Establish a control centre. Usually the KMT Board Room.

11.5 During the above mentioned process, the Construction Manager or his delegate must contact the fire team on +243999306714

or site fire fighters at the Safety Department and supply the following information:

- Exact location of fire.
 - Type of fire and material involved.
 - Magnitude of fire, example, (Volume of flammable liquid if applicable)
- 11.6 The Construction Manager or his delegate to decide whether to withdraw personnel if needed whilst waiting for the fire fighters to arrive.
- 11.7 Systematically shut down operations by isolating electrical power and fuel supplies to the effected area. **Lock out such sources.**
- 11.8 Take all possible safe measures to protect adjacent installations and property.
- 11.9 The fire team with the Safety Manager to take control / charge of all fire fighting activities on arrival at the fire scene. Security is to give immediate clearance at the entrance gate for fire fighting machinery and personnel who are called in to assist. The Construction Management to provide a supportive role.
- 11.10 Safety personnel to keep a log of all instructions and notes of events as they occur during the fire.
- 11.11 Full fire investigation to commence immediately after the fire has been extinguished and all evidence to be preserved.

12. PROCEDURE IN CASE OF EXPLOSIONS

- 12.1 In case of an explosion, the area must be evacuated immediately and the Construction Manager to be notified immediately.
- Sound the alarm.
 - All personnel to evacuate the area immediately and follow the evacuation routes to the demarcated assembly point.
 - Take roll call. (DSTI attendance register) **NB**
 - Assist and apply first aid to the injured. Do not attempt to enter areas where there is/or might be an accumulation of smoke or possible accumulation of gasses.
 - Notify the Project Safety Manager.
 - Call the ambulance/Paramedic.
 - Establish a control centre, usually the KMT Board Room.
 - Safety personnel to keep a log of all instructions and notes of events as they occur.
- 12.2 Injured personnel that require first aid to be treated whilst waiting for the ambulance
- 12.3 When under control, the Construction Manager and Safety Manager/officer to investigate and ensure that the area is safe and no chain reaction explosions will occur.

- 12.4** Systematically shut down operations by isolating electrical power and fuel supplies to the affected area. **Lock out such power sources.**
- 12.5** The Project Safety Manager must ensure to demarcate the area with yellow and black barrier tape and ensure that nobody enters the area and that no evidence is removed from the scene.
- 12.6** The Construction manager or his delegate must report the explosion through his chain of command (Mr.Mwapi Bernard) to the Mayor of Kolwezi and The Labour Inspector. Operations will only resume after consultation with the Mayor or Labour Inspector and permission granted by him/her
- 12.7** The emergency committee to launch a full investigation immediately and implement an action plan.

13. PROCEDURE IN CASE OF BOMB THREAT

13.1 The operator receiving the call must:

- Stay calm and not confront the caller.
- Note the time of the call.
- Try to recognise the voice. (Aggrieved or dismissed employee)
- Listen for any back ground noises.
- Should call identification/tracing be available, note the number and try to inform the security.
- Calmly ask where the bomb has been planted.
- Notify the Construction Manager immediately.

13.2 The Construction Manager must:

- Evacuate all the personnel immediately.
- Get the Security to conduct a plant search and take control of the situation.
- Demarcate any area containing suspect parcels with "black and yellow" barrier tape.
- The Safety department to assist the Security Personnel
- Security Personnel to defuse or remove any parcels.
- The Emergency Controller and coordinator, in consultation with the Security Staff to declare the affected area safe and allow employees to return to work.

14. PROCEDURE IN CASE OF NATURAL DISASTER

Natural disaster includes but not limited to the following:

- Earthquakes.
- Tornados.
- Storms & Lightning.
- Floods.

These are acts of providence and cannot be prevented, although impact of such acts may be reduced.

The nature and extent of the disaster will dictate the appropriate actions, but the following general rules may apply:

- 14.1** The person normally in charge of a section or department must take immediate control and decide on the action required, inter alia, a complete evacuation of the entire area and sending personnel home may be needed.
- 14.2** In case of a storm, close all windows, and isolate / switch off all electrical appliances that may be switched on.

As soon as possible after the disaster the emergency committee must assess firstly injury to personnel and then damage to buildings and equipment. The Construction Manager or his deputy after the assessment must declare the area safe and allow personnel to return to work.

15. LABOUR UNREST (Strikes & Riots)

- 15.1** When any confrontation exists, the Construction Manager or his nominee must inform the Security Personnel.
- 15.2** The Security Manager must attempt to contain the confrontation to the affected area. He must obtain a list of the grievances or reason for the labour unrest and communicate this to the Construction Manager. The services of a Human Resources Manager may be requested when required.
- 15.3** The Construction Manager will on receipt of any grievance(s) or demand(s) from employees consult with the emergency committee and decide on what action to take. The Construction Manager will have the full authority to:
 - Communicate with any aggrieved person(s).
 - Liaise with employee representative or trade union.
 - Liaise with the local department of manpower or the local Magistrate's office.

The Construction Manager may at his discretion also inform the Security Dept. or the local Police Services and ask them to remain at a distance and monitor proceedings.

- 15.4** The Construction Manager will now discuss the grievance(s) and attempt to resolve the issue(s) whilst the employees return to their working areas. If this cannot be done, all parties involved will be advised to follow the D.R.C. Labour Relation Act procedure in filing for dispute.

16. TERRORISM AND TERRORIST ATTACKS

In the case of a terrorist attack the following procedure must be followed:

- 16.1** The Construction Manager or his nominee must inform the Security Services and they should inform the local authorities in Kolwezi, immediately.
- 16.2** The Security Manager must keep the Construction Manager informed at all times.
- 16.3** If possible, the Safety personnel must assist with the evacuation of personnel from the affected area and assist the injured, if not possible, the evacuated personnel to be informed to remain calm and find cover.
- 16.4** All employees to co-operate and not try to attack any perpetrator.
- 16.5** Security Personnel to take charge on arrival.
- 16.6** The Construction Manager in consultation with the Security Manager to declare the construction site safe and allow personnel to return to work.
- 17. ROAD TRANSPORT INCIDENTS**
- 17.1** Any contractor/Employee involved in a company vehicle accident must report this to the Safety Manager / Officer immediately.
- 17.2** The Safety Manager/Officer must notify the Construction Manager immediately of the accident and commence an investigation.
- 17.3** Depending on the nature of injuries, the injured personnel must be treated as per the SITE emergency procedure.
- 17.4** A full investigation to be held with the Security Dept and relevant local Traffic/ Police Dept if the accident occurred on a public road in Kolwezi or any of the surrounding villages.

18. EMERGENCY TELEPHONE NUMBERS

DESIGNATION		NAME	TELEPHONE NUMBERS
SITE EMERGENCY TEAM MEMBERS			
Construction Manager	- KMT	W.DuPlessis	0999306701
Project Safety Manager	- KMT	Andy Roodt	099306714
Safety Officer	-KMT	Tavang Muzinga	0994941988
Assistant Construction Manager-	KMT	D.Mallet	0999306683

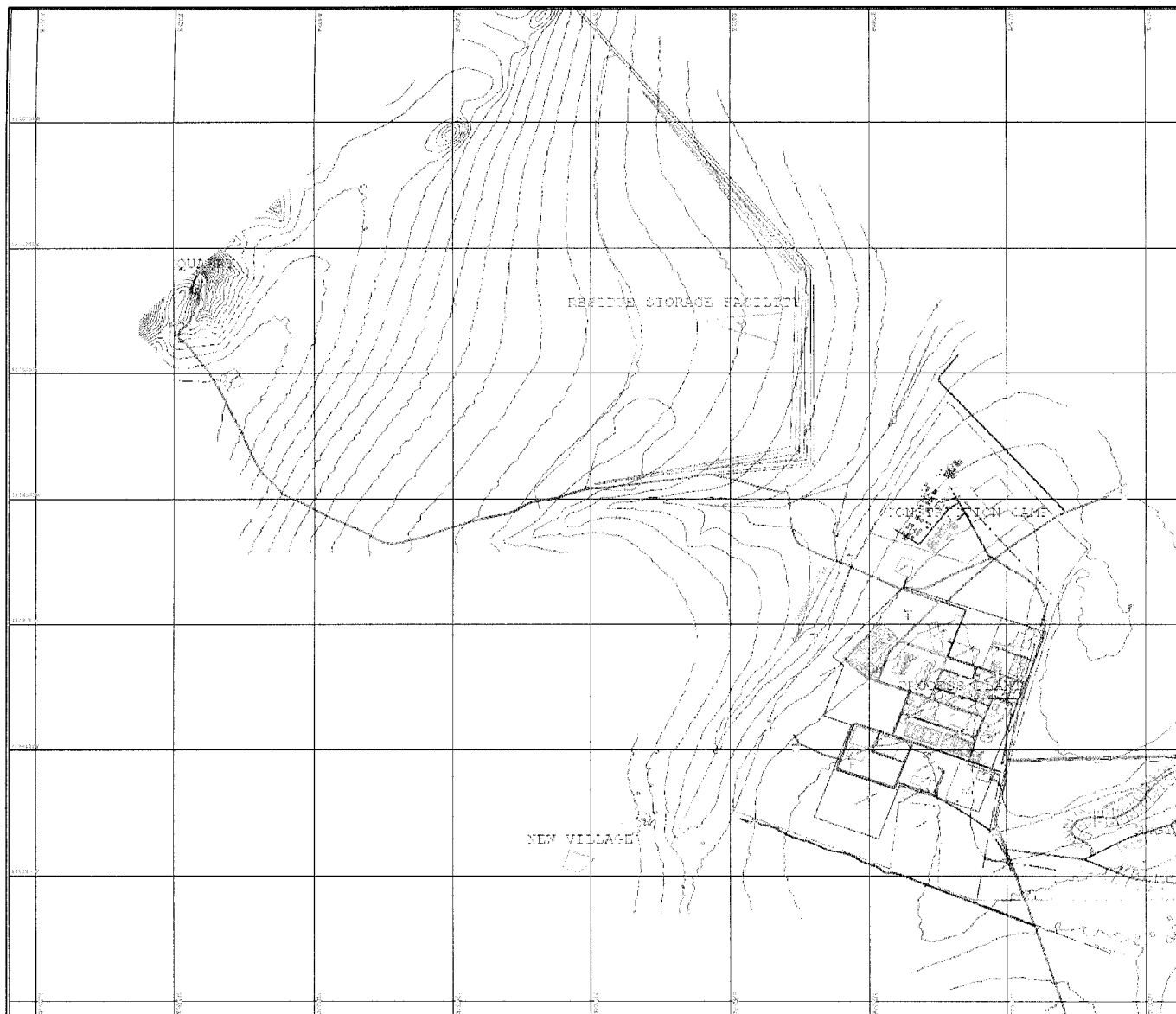
Project Manager	- KMT	David Urquhart	00610405536396
SERVICES			
Paramedic	-KMT	Johan Jacobs	0999306688
Security Manager	-KMT	Fred Phillipart	0999301002
Clinic Sister	-KMT	Jenine Mwenya	0994941985
H.R.Manager	-KMT	Cheikh Maiga	0999306699

ALARM SOUND

CONTINUES -----

Evacuate to ASSEMBLY points and wait for further instructions from Incident Commander.

Note: Before any Emergency Services are requested, confirmation from above emergency personnel must be granted upon assessment to ensure correct procedural compliance and control.



19. SKETCH OF EVENTS (EMERGENCY EVACUATION)

