


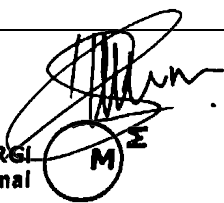



Prepared by: Andri & Merza		MEDCO IJEN PROJECT EMERGENCY MANAGEMENT PLAN	Ref.: IDS-IJEN-PM-DOC-000	
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MEDCO IJEN - EMERGENCY MANAGEMENT PLAN

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				 MEDCOENERGI Geothermal	 




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1. SCOPE

This document applies to all emergencies situation that will potentially happen during the activities of EPCC, Drilling, Rigless, Rig move, Rig mobilization and Rig Demobilization in the operations of Geothermal Drilling Development Well Blawan-Ijen Geothermal Project. The purpose of this EMP is to ensure that the Project is adequately prepared to deal with emergencies and to safeguard the lives and health of employees, clients and contractors. It will also include the Drilling Contractor & Services Company ERP (Emergency Response Plan) to cover the specific drilling operation activities emergency scenarios.

MCG EMERGENCY CONTACT NUMBER :


KTPB Aditya Negara : 08116004007
Vice KTPB M.Alhan : 081216338515
Vice KTPB Prima BS : 081322529901

Should an incident require the assistance of EPCC & Drilling Team MCG or develop into a potential crisis then the incident will be escalated by the EMT (Emergency Management Team) to MCG Management. At the same time all MCG contractor and its sub-contractors such as SDI and its Services Company (Directional Drilling, Solid Control) EMT; EPI (drilling contractor) and its Services Company (H2S Services Dyfco, Top drive services NOV, Medical services Klinik Pratama) ERT; Smith-NOV-Baker (Drilling Bit Company) EMT; Halliburton (Cementing) EMT; Alfa Pilar (Aerated Drilling Services) EMT; Baroid (Drilling Fluid) EMT will be activated for additional support.

2. PURPOSE

This document defines:

- The interfaces between the different organizations involved in the Blawan-Ijen Geothermal Development Project MCG (Medco Cahaya Geothermal) such as SDI and its sub-contractors; EPI and its sub-contractors; and other MCG 3rd parties but not limited also to other third party contractors who support the services in relation with geothermal drilling development well, so that appropriate support can be provided in case of emergency. Although this framework can be used for managing any emergency, it will specifically address the following emergencies:
 - Medical Emergency - Medivac (Serious injury or illness)
 - Hazardous substance spill
 - At Rig
 - At yards
 - H2S Release
 - Fire in Well Site Area / Base Camp Area
 - Political & Civil Unrest
 - Well Control Emergency
 - Natural Disaster – Earthquake
 - Natural Disaster – Volcanic Eruption
- Provide MCG staff and contractors with a clearly defined method to manage various types of emergencies which could potentially occur while undertaking drilling activities. The emergency management plan when implemented, also facilitates a state of readiness being maintained that will ultimately minimize the impact an emergency may have on the health and safety of worker and individuals the environment or local community;
- Ensure all required emergency equipment is properly located, installed, available and consistently maintained in good working order;

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4. To ensure people are aware of the location of, and can use emergency equipment, including those trained in the use of specialized emergency equipment;
5. Decrease the level of risk to life, property and the environment;
6. Define how company personnel located 'off-site' can provide assistance to site based personnel in the control and recovery of an emergency;
7. Ensure appropriate personnel in company and project organization are notified of an emergency; and
8. Define the responsibilities of personnel during an emergency.

The controlled copy of this EMP will be distributed to all MCG's 3rd Party as guidance. All emergencies will be communicated as part of Project Safety induction and Site Safety Induction process.

3. REFERENCE

References applied for this document:

1. Law no.1 year 1970 about Occupational Safety;
2. MCG Emergency Preparedness No. MCG-OH-HSE-DOC-001 rev.003, 05 January 2023
3. EPI - Bridging HSE Plan for Ijen Drilling 12 February 2023
4. Ijen Well Control Procedure

4. DEFINITIONS

Emergency

An emergency is a situation in which at least one of the following events has occurred (or the potential exists for it to occur):


1. For people: Fatality, serious injury, permanent or temporary disablement of people, or disease;
2. For equipment: Destruction of the equipment itself (an example would be a fire on a major piece of plant);
3. For the environment: A breach of statutory obligations, including license conditions, or significant or permanent damage to the environment; and/or
4. From the local Community: Threats (either verbally or physically) to MCG/3rd party contractor employees and/or company assets or infrastructure.

An emergency requires immediate action to limit the likelihood of:

1. People being harmed in any way;
2. Damage to the equipment or the environment which may lead to injury to persons, or further damage to the equipment or the environment; and/or
3. Consequences escalating to constitute a disaster.

The guidelines for establishing emergency response plans (ERP) are based on the following philosophy:

1. Preparedness - plans and/or procedures based on decisions and taking measures before an unwanted event to ensure effective response and recovery;
2. Activate - without delay, always considering the worst-case until proven otherwise;
3. Assess - gather all known information about the event;
4. Respond - as appropriate to the situation;
5. Stand down - proactively manage the scale of the response and teams;

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6. Recover and demobilize - actions taken to return to a normal or an even safer situation following an event

Muster Point

A location where personnel gather in the event of an emergency prior to moving to an Evacuation Assembly Areas should evacuation be deemed necessary. Required 2 muster point at each wellpad and rig basecamp.

Disaster

A disaster is considered an event that threatens:

1. People (either employees or the community); or
2. The environment; or
3. Property (either ours or that belonging to others); or
4. Company reputation;

The incident or event is considered a disaster given the extent that controlling the situation takes precedence over all other considerations.

Emergency Equipment

The equipment used to control emergencies includes firefighting equipment, first aid equipment, well control equipment, H2S equipment and emergency rescue vehicles and equipment.

Emergency Management Plan

A document that outlining the series of steps to be followed in an emergency.

Environmental Impact

Any change to the environment, whether wholly or partially resulting from activities, products or services that can cause adverse effects.

Emergency Management Team (EMT)


The emergency management team (EMT) is comprised of project based MCG and contractor's employees who have volunteered are tasked with controlling and coordinating activities during an emergency. Typically, the EMT will be comprised of MCG's KTPB, Drilling Superintendent, Company Man, 3rd party's contractor representative, and sub-contractor representatives.

Emergency Response Team (ERT)

The emergency response team (ERT) is the organization of worker that volunteered assigned as tasked to control the emergency situation systematic, safely and effectively.

Each Emergency Response Team Member is responsible for ensuring that they:

- a. Understand his/her role within the Emergency Management Team;
- b. Are familiar with current emergency response procedures associated with their role on the team;
- c. Maintain and improve the knowledge & skills regarding emergency response management which shall include but not limited to - Rescue Methods, First Aid, Fire Fighting Equipment, Breathing Apparatus etc. by participating in regular training/drill programs;
- d. Maintain the readiness of emergency equipment;

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In the event of emergency, the Emergency Section Team will:

- Perform appropriate tactical response based on the type of emergency at event scene;
- Update the status of emergency at scene to Emergency on Site Commander;
- Coordinate with security team & supervisors to manage employee during emergency condition.

5. EMERGENCY MANAGEMENT PLANNING

Emergencies shall be categorized into two category based on the seriousness of the event and the potential impact it will have on individuals, communities, the environment, and the business.

Classification of Incidents/Emergencies:

5.1. MAJOR EMERGENCY

An emergency requiring ERT support, which can be handled by a single member of the EMT such as:

- Life threatening bodily injury or life-threatening illness.
- Medical evacuation from or within Indonesia which medical assistance is required
- Major environmental or property damage.
- An injury to a person resulting in the person being unable to attend work for a period greater than one day;
- An uncontrolled fire which has the potential to compromise the safety of personnel, 3rd party's personnel and MCGs business interests in the area;
- Gas released/ occurrence;
- Mechanical / Natural Structural failure, (Poses risk to employees and impairs production);
- Moderate chemical spill, (Spill contained on lease);
- Threats of Violent Protest / Civil Unrest;

It is necessary in addition to the technical, human, and material resources existing in the area of occurrence of the emergency. Also, the other resources which available in the facilities and areas of interest, operational unit, or site.

The Emergency Management Leader-Drilling Superintendent/KTPB-Vice KTPB is required to decide regarding the notification and engagement of external resources.


The KTPB or Vice KTPB must be notified of the emergency in the first instance.

5.2. CATASTROPHIC EMERGENCY

An emergency event is one event which threatens people, the environment, property and or the company's reputation. Until the situation is brought under control, all other priorities are rendered secondary. When the emergency situation occur where the technical, human, and material resources which available in the operational unit are judged as insufficient to attend the emergency situation. In this case, external aid such as Mutual Aid Plan and Integrated Emergency Network and external agencies such as: Fire Brigade/ Fire Department, Civil Defence, Police Dept., Search and Rescue etc. should be activated.

Events that may require the expertise of all or part of the EMT such as:


- Single or multiple fatalities.
- Major fire on a drilling rig.
- Surface steam blowout/steam kick.

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- Catastrophic environmental damage.
- Tier 1 & 2 Oil Spills
- Catastrophic property damage.
- Severe weather conditions affecting the stability of an onshore rig.
- Political or civil unrest, such as war/protest/demonstration.
- Unplanned evacuation of a rig or location.
- Epidemic
- Emergencies with Ionizing Radiation Sources
- Earthquake
- Volcanic Eruption

5.3. EMERGENCY ROLES AND RESPONSIBILITIES

Role	Description
Emergency Management Commander (KTPB)	<p>The Emergency Management Commander is responsible for ensuring that:</p> <ol style="list-style-type: none"> 1. Ensure all personnel who carry out work for or on behalf of MCG at the Ijen-Blawan Geothermal Development Project fully understand and can comply with the requirements defined within this document; 2. Project based staff review and update the sites emergency management plan on a regular basis to ensure its suitability and effectiveness; and 3. Emergency management training is provided to all personnel engaged in the project. 4. His/her position is delegated to an appointed person if he/she is not available at project site. 5. Inform and communicate to local villager / local community <p>In the event of an emergency the KTPB or Vice KTPB that persons delegate will:</p> <ol style="list-style-type: none"> 1. Undertake the role of Emergency Management Commander; 2. Take strategic decisions in responding the emergency situation by considering advise and feedbacks from relevant section chief; 3. Determine and Initiate an appropriate emergency response which may extend to the evacuation of personnel from the region; 4. Coordinate the response during an emergency by utilising all available resources. 5. Ensure all drilling and other activities cease until the emergency has been effectively concluded; 6. Notify the Crisis Management Team as the Sponsor of the emergency at the earliest opportunity and then provide regular updates; 7. Ensure all personnel have been accounted for; 8. Ensure emergency contact numbers are displayed in prominent places and are communicated to the work force; and

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Rig Site Doctor and Medic	<p>Designated Medical response leader (first line of response) during any medical emergency incident at the site. Maintains, at all times, adequate supplies and ensure all the medical equipment is in good working condition. Provides first aid treatment and other primary care in which he/she is qualified in the event of a medical emergency</p> <p>Stabilizes IP and prepares him/her for evacuation, if necessary, responsible party to define if the IP requires medivac from the Rig Site.</p> <p>For any medivac case, coordinate and making contact with the approved Hospital medics regarding treatment, evacuation, timing etc. to ensure ready to accept the evacuated IP.</p>
Drilling Superintendent /Rigless	<p>Coordinate all communications regarding the incident and provide incident notification data and, in liaison with the Operations Teams in Office. Support in Arranging medevac from the site to appropriate medical facility if required. Coordinate and notify KTPB or Vice KTPB & Notifies Contractor Management.</p>
Company man Drilling/Rigless	<p>Conducts initial severity assessment. Activates the site ERP</p> <p>Company man notifies the Superintendent, Communicate with Rig Site Doctor, Rig Supt., and MCG Site Doctor/Medical Advisor (at site office by phone) and then follows with appropriate incident notifications with Drilling superintendent and KTPB/Vice KTPB. Liaises with the Rig Superintendent and Site Doctor, MCG Site Doctor/Medical Advisor to coordinate medevac if required. Coordinates with Rig Site Doctor to mobilize any required site resources, including personnel, in response to emergency treatment of IP(s)</p> <p>Activates any other required ERPs and coordinates this activation with the Drilling Superintendent.</p> <ol style="list-style-type: none"> 1. Periodic emergency drills are conducted to test the effectiveness of the sites emergency management plan and relevant procedures; 2. Ensuring the personnel who are assigned specific roles in the event of an emergency are trained to the level needed to efficiently fulfil their responsibilities.
Rig Supt. (RS)- On Site Commander	<p>Inform and coordinate with Company man of any emergency case. Initiates a controlled shut down of operations within the immediate vicinity of medical incident if needed. Coordinates with Company man for any resources needed for emergency response. As on site commander to activate of any rescue team needed to recover the emergency situation at drill site or rig basecamp area.</p>


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MCG Site Doctor/Medical Advisor	MCG Site Doctor is to advise Rig Site doctor for any medical emergency case at site or medivac case.
MCG PM and Drilling Manager	Provide any MCG management support needed to site emergency management team. Notify and instruct other contractor for any action needed if the emergency case in the drilling operation impacted to another project activities.
MCG 3rd Party Contractors	If 3rd Party Contractor employees require emergency medical treatment, response should follow the Site ERP but responsibility for patient care may be transferred to third party contractors.

5.4. ALARMS AND SIGNALS

5.4.1. ALARM SIGNALS

There are specific alarm signals requiring specific emergency responses on each facility. Examples of the various emergency alarms as described in the facility specific Station Bill are as follows:


EMERGENCY CODE			<i>EPI</i>
 EMERGENCY STATION BILL BUNYI DAN ARTI ALARM SAAT DARURAT			
MEANING/ ARTI.	RIG ALARM AUDIBLE/ BUNYI ALARM RIG	REMARK / KETERANGAN	
FIRE/ KEBAKARAN	1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI 1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI	INTERMITTEN TERPUTUS-PUTUS	
GAS, BOP KICK GAS/ SEMBURAN GAS	1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI 1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI	INTERMITTEN TERPUTUS-PUTUS	
H2S	1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI 1 SECOND ON 3 DETIK HIDUP 1 SECOND OFF 3 DETIK MATI	INTERMITTEN TERPUTUS-PUTUS	
ABANDON/ MENINGGALKAN LOKASI	CONTINUOUS TERUS-MENERUS	TERUS - MENERUS	

NOTE : Whatever the sound of the alarm that you can not ensure what is meaning, stop the work and proceed to muster point
 Apapun bunyi alarm jika Anda ragu-ragu, hentikan pekerjaan dan menuju master point

Figure1. EPI RIG AR#09 Alarm Standard

5.4.2. GENERAL ALARMS

The general alarm system has been installed to alert personnel on board to existing (real or simulated) emergency situations. In the case of a simulated activation, the authorized person will activate the alarm system for the emergency drill. This will be followed by an announcement on the P.A. system advising that this is a drill. During a real emergency, the observer of the emergency situation will sound the general alarm from the nearest alarm point.

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It is critical that all personnel clearly understand that their first responsibility in any emergency is to immediately raise the alarm in order that emergency response can be initiated, allowing the greatest possible chance (and time) to rectify or contain a situation before it becomes unsalvageable.

Upon full headcount being achieved at muster points and an accounting of all Emergency team personnel, this alarm can be muted, while response activities are undertaken.

Note: All on-board emergency situations shall be notified to on-board personnel by the ringing of General Alarm (intermittent ringing) and a PA system announcement, which will initiate the muster of personnel and complete all necessary preliminaries prior to any abandonment activity.

Should circumstances dictate that no fire team response is required; those emergency teams shall be stood down and directed by the On-Scene Team Leader to their muster stations.

5.5. OTHER ALARM SIGNALS

All Clear: 3 short rings of the General Alarm followed by a PA Announcement (advising return to normal status).

Manual Call Point Alarm Activation

- All personnel are required to muster immediately and follow station bill responsibilities.
- No attempts are permitted to try and identify the source of the activation prior to activating the fire teams (presume a real event until proven otherwise by fire team). Verbal Report of Emergency Situation
- After sounding the general alarm, the person in charge will relay the reported emergency information as received.

5.6. MUSTER STATION

The Primary muster station is located next to the main gate and a secondary one on the opposite side of the well pad. The T card system will be placed near the Primary muster point.

In case of any incident and evacuation is required, everyone is required to observe the windsocks installed at the site and proceed towards the muster point which is at the upwind direction.

The following is the procedure upon sounding Alarm for evacuation

- 1) Any personnel identify fire and calls for "Fire, Fire, Fire" and rushes towards the fire call point and notifies the safety team for raising the alarm
- 2) The alarm is rung for evacuation of the site personnel
- 3) All the personnel looks for the wind socks installed
- 4) All the personnel evacuates to the upwind direction of the wind
- 5) In case the upwind muster station is the secondary muster station the board needs to be taken to the secondary muster station or T cards needs to send to the secondary Muster Station.
- 6) All the personnel should remove their T cards and stand in a line of 5
- 7) The HSE coordinator/Radio Operator checks for any one missing from the T card
- 8) If anyone is found missing at the muster station then the rescue team starts the search and rescue for the left alone members with the correct PPE for the search and rescue.
- 9) After finding the IP the Med Vac. is initiated
- 10) At the same time the ERT is activated.


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Figure2. Wellpad Ijen #2 Escape Route and Muster Stations



Figure3. Curah Macan Village #3 Escape Route and Muster Stations

5.7. EMERGENCY RESPONSE EQUIPMENT


All site base operations already have an identified muster point location where emergency equipment is to be stored if required and stand by paramedic must be assigned in operation sites. Emergency equipment is including but not limited to:

- 1) Firefighting equipment;
- 2) Responder Bag;
- 3) Automatic External Deliberator (AED)
- 4) Basket Stretcher & Spinal Board
- 5) Life Support Port (LSP)
- 6) Spill control equipment
- 7) Blow Out Preventer System
- 8) Ambulance; and
- 9) SCBA and working line unit.

Emergency equipment is located in easily accessible locations.

5.8. SITE MEDICAL FACILITY

RIG SITE / RIG BASECAMP - MEDICAL/ILLNESS/INJURY EMERGENCY FACILITIES

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Rig contractor (EPI) will manage the medical services at rig site by their 3rd party medical service provider; emergency facility requirement will refer to EPI - Bridging HSE Plan for Ijen drilling 12 February 2023 Section 3 Emergency Preparedness.

The minimum facilities that should be provided by EPI sub-contractor medic is:

- **RIG CLINIC & REQUIRED MINIMUM STOCK OF MEDICINES**
As part of Rig Contract, Rig contractor (EPI) is providing Rig Clinic and placed in Rig Site area. This Rig Clinic is medical facility for primary assessment and treatment facility of patient/IP. The facility requirement will refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Section 7 page 27-29 and its appendices.
- **AMBULANCE**
For Medical Evacuation purpose, EPI is providing Ambulance with minimum requirements as refer to EPI - Bridging HSE Plan for Ijen drilling 12 February 2023 Section 3 Emergency Preparedness and Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Section 7 page 29 and its appendices document. Ambulance will be placed at Rig Site area.
- **RIG PARAMEDIC**
For primary Medical assessment and treatment, Paramedic that will be deployed at Rig Site area 24 hour a day (Medical team will be assessed and approved by MCG Site Doctor/Medical Advisor) minimum requirement as refer to Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Section 7 page 25-27 and its appendices document.
- **First Aid Kit**
Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Section 7 page 29 and its appendices.
- **COMPANY EMERGENCY MANAGEMENT Medivac/Medical Emergency Drill**
Rig Contractor should be frequent conduct Medivac/Medical Emergency drills at the Rig Site to ensure everyone know his duties in case of a real emergency.

6. TEAM BLAWAN-IJEN GEOTHERMAL DEVELOPMENT DRILLING PROJECT

The main objective of the Company Emergency Management Team (EMT) is to:

- Provide managerial support in an emergency.
- Effectively coordinate between MCG, Drilling Company, Contractor and External parties Managements
- Provide updated company policy management and corrective action of emergency situation and HSE related the emergency situation that occurred.

The EMT is composed of the following personnel:


Medco Energi Group:

- MPI VP of HSESS Manager
- MCG President Director
- MCG General Manager
- MCG Drilling Manager
- MCG Project Manager
- MPI Medical Services Sp.


IDS, Rig Contractor & 3rd Party Services Company:

- Drilling Supt.
- President Director of Rig Contractor and Services Company


JAKARTA HEAD OFFICE

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Rian Monterry	NMS - Master Valve, Liner Adapter, and Wellhead Reps.	+6281315784099	rian@pt-nms.co.id
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6.1. EMERGENCY SERVICES CONTACT LIST

Location	Address	Contact
POLICE ASSISTANCE		
Sempol	Polsek Sempol, Sempol, Kec. Ijen, Kabupaten Bondowoso, Jawa Timur 68288	(0332) 421990
Bondowoso	Polres Bondowoso, Jl. Veteran No.1, Mandaluki, Dabasah, Kec. Bondowoso, Kabupaten Bondowoso, Jawa Timur 68211	(0332) 420991
Banyuwangi	Polres Banyuwangi, Kepatihan, Kec. Banyuwangi, Kabupaten Banyuwangi, Jawa Timur 68145	(0333) 417316
SEARCH AND RESCUE ASSISTANCE		
Bondowoso	BPBD, SAR Bondowoso Jl. Mastrip No.237, Griyakembang Permai, Kembang, Kec. Bondowoso, Kabupaten Bondowoso, Jawa Timur 68219	0812-3933-913
FIRE FIGHTER ASSISTANCE		
Bondowoso	Regency Fire Fighter Dept. Jl. Mastrip, Sentong, Sukowiryo, Kec. Bondowoso, Kabupaten Bondowoso, Jawa Timur 68219	0812-3933-913
MEDICAL ASSISTANCE AND HEALTHCARE SERVICES		
Sempol	Puskesmas Sempol, Jl. Raya Kawah Ijen No. 1 Ds Sempol, Kec. Sempol, Kab Bondowoso, Jawa Timur	08113511431
Banyuwangi	RS Fatimah Banyuwangi, Jl. Raya Jember No.25, Dusun Krajan, Kalirejo, Kec. Kabat, Kabupaten Banyuwangi, Jawa Timur 68461	(0333) 421451
Bondowoso	RS Mitra Medika Bondowoso, Jl. HOS Cokroaminoto No.98, Kademangan Kulon, Kademangan, Kec. Bondowoso, Kabupaten Bondowoso, Jawa Timur 68217	(0332) 421981

6.2. EMERGENCY RESPONSE TEAM (ERT)

The main objective of the Emergency Response Team (ERT) is to:

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- Provide tactical/action support in an emergency situation.
- Effectively coordinate with member of the team to directly response of the emergency situation.

The ERT is composed of the following personnel:

Drilling Ijen Geothermal Project:

- Drilling Supervisor (Rig or/and Rig less inside Wellpad)
- MCG Field HSE
- MCG Material man (Outside Wellpad/Logistic Yard/Drilling Support Operation)
- Rig Superintendent of Drilling Contractor – Onsite Commander
- Rig Doctor
- Service company / 3rd parties contractor Field Leader
- Field Security
- Camp boss
- Fire fighter
- First Aider
- H2S Engineer

All incidents and emergencies must be reported to the Medco EMT as soon as possible.

7. EMERGENCY RESPONSE PLAN

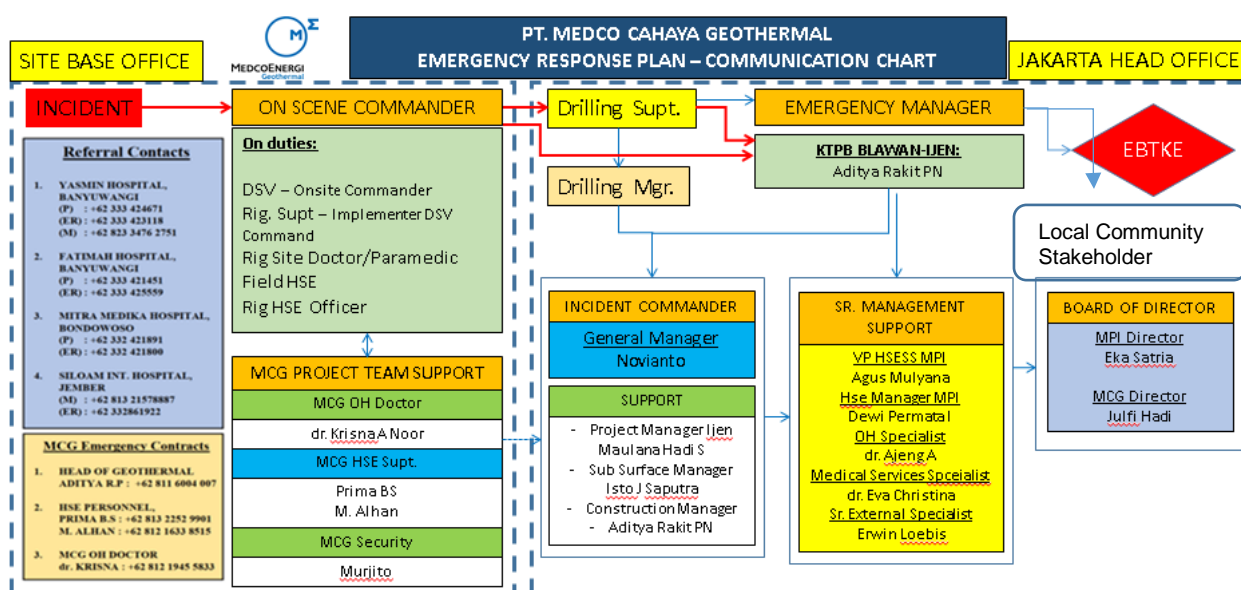



Figure3. EMT Ijen Project (Emergency Management Plan Communication Chart)

7.1. MEDICAL EMERGENCY RESPONSE PLAN

7.1.1. ACCIDENT/INCIDENT (INJURY OR ILLNESS OF PERSONNEL)

Initial actions on accident, stay calm, assess the situation - what exactly has happened?

- Ensure that the area is safe for yourself and others, stop all operations in the area, if it is accident caused H2S, Natural disaster and Fire follow the specific Emergency Response Plan standard or follow ERT Leader instruction. Inform the ERT Leader that there is injured personnel at the specific location.

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- If the accident caused other activity or situation, prevent further injuries - be aware of fire, flood, electricity, gas, falling debris, blood borne pathogens, moving machinery etc.
- Do not move the IP - unless the situation is immediately life threatening.
- Immediately notify Drilling Supervisor and Rig Doctor or Administer First Aider, and/or assist.
- Ensure that spectators are kept at some distance from the IP.
- Rig Doctor shall give the immediate medical attention to the patient at site as soon as possible after the incident.
- Rig Doctor informs the Drilling Supervisor and MCG Doctor/Medical Advisor of all injuries. The Drilling Supervisor will notify the MCG Drilling Superintendent, and MCG Drilling Manager of all personnel injuries using the 8 minimum facts.
- IP (Injured Personnel) should be evaluated by Rig Doctor and MCG Doctor/Medical Advisor who will determine classification of injury is first aid, non-life threatening or life-threatening.
- If first aid is administered (mild medical case), IP can be treated on-site by Rig Doctor and returned to work and / or assigned of alternate duty.
- If non-life-threatening (mild to medium medical case), injured party will be treated by the Rig Doctor. Rig Doctor in-coordination with MCG Site Doctor/Medical Advisor will evaluate of injuries and determine if evacuation to an additional medical facility is required.
- If life threatening (severe medical case): MCG Site Doctor/Medical Advisor will advise Rig Doctor to arrange for Medivac to Fatimah Hospital Banyuwangi.
- Contact MCG Drilling Superintendent to get Project EMT support as necessary. Transport injured person via land ambulance.
- MCG Drilling Superintendent will inform Blawan-Ijen KTPB-Vice KTPB and 3rd party company management for further action needed.
- Rig Medic shall give his continuous attention to the patient until the patient assessed and treated by doctor in hospital.

7.1.2. STEPS TO BE TAKEN AFTER AN INCIDENT

- 1) Immediately STOP the operations, Drilling Supervisor with Rig Supt./Rig HSE, Material man (Outside Wellpad/Logistic Yard/Drilling Support Operation), Service company / 3rd parties contractor Field Leader shall ensuring all the thing in the safe condition before shut down the equipment and STOP the operation.
- 2) Barricade the work area of causing injury
- 3) Click necessary pictures of the site
- 4) Have a safety inspection of the site of injury by Drilling Supervisor with Rig HSE Coordinator, Material Man (Outside Wellpad/Logistic Yard/Drilling Support Operation), Service company / 3rd parties contractor Field.
- 5) Take steps to fix the area to ensure safe proceed of operations of site
- 6) Then after the HSE action points are closed, the area can be opened for operations
- 7) The operations can be re-commenced once corrective action has been completed, Ambulance and Rig Doctor reached back to the location and approved by MCG Drilling Manager and KTPB, Vice KTPB Blawan-Ijen.
- 8) Have a safety stand-down with the crew to discuss the incident that had happened

7.1.3. MEDEVAC

MCG KTPB must immediately be notified of the incident that requires an Evacuation from site.

Medevac is the emergency evacuation of an injured or sick person or the transportation of a medical officer to an injured or sick person, by land transport.

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Basic response policy of this situation is:

- 1) Medic shall give immediate examination and treatment at site to patient.
- 2) Hospital is in principle place to go for patient for further consultation.
- 3) In case of serious flu is suspected, specialist will be invited to the rig location and carried out medical examination for entire crew.

A. PRIMARY ACTION

- With regard to the condition of patient and Medic's consultation, the evacuation method will be advised. The patient will be evacuated by the stand by rig ambulance directly to Fatimah or Yasmin Hospital Banyuwangi, which will take minimum 2 hours from rig site to the hospital. Alternatively, and in special cases where recommended by MCG Site Doctor/Medical Advisor.
- Liaison between Company man, Rig Doctor, Rig Superintendent, MCG Site Doctor/Medical Advisor, the hospital, Drilling Superintendent, MCG Drilling Manager and Rig Medical services will be necessary as indicated in Medical Emergencies response flow chart.
- Drilling Supervisor, in consultation with the Rig Doctor and MCG Site Doctor/Medical Advisor, shall have the authority to order a Medivac to be carried out.
- The Drilling Superintendent shall notify the 3rd party management for the plan for their patient.
- Contact with next of kin will be dependent on various circumstances but shall be discussed and determined by the MCG Project manager and the relevant Contractor Management.
- Drilling Supervisor shall keep the on duty MCG Drilling Superintendent and KTPB/Vice KTPB informed of the patient's progress.

B. RESPONSE SEQUENCE


EMERGENCY DETERMINED:

- Rig Medic shall classify the situation and condition of the patient(s) and advice Drilling Supervisor and Rig Superintendent accordingly.
- Rig Medic, in consultation with Drilling Supervisor/ Rig Superintendent and MCG Doctor/Medical Advisor shall determine the proper evacuation route and procedure. In principle, Medevac, Hospital is the place to go for further consultation, at the minimum can refer to document MCG-OH-HSE-001-DOC- Emergency Preparedness Rev.003 05 January 2023.
- Prepare MERP.

IMMEDIATE MEDICAL EVACUATION IS REQUIRED:

If Medivac is necessary (based on communication between EPI Rig Site Doctor, Drilling Supervisor and MCG OH Doctor/Medical Advisor), Rig Site Doctor will arrange to transfer IP to hospital. IP conditionally would be assessed and categorized as follow:

- (1) Light to moderate cases, or when medical case that no need advance medical scanning equipment (MRI, CT scan, etc.) Yasmin hospital in Banyuwangi would be the first priority considering that can be reached within 2 hour driving from Rig Site.
- (2) For severe medical cases or at situation where Health Specialist or more advanced medical equipment are forecasted would be needed, IP would be referred to transfer to Fatimah hospital in Banyuwangi 2 hours driving from Rig Site. Fatimah hospital

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Banyuwangi has a rapid response mobile hospital (ambulance) that equipped with advance lifesaving medical equipment and operated by GP or anesthetist. Final decision of the Medical evacuations as per the scenarios above will be taken by Rig Doctor in consultation with MCG Site Doctor/Medical Advisor.

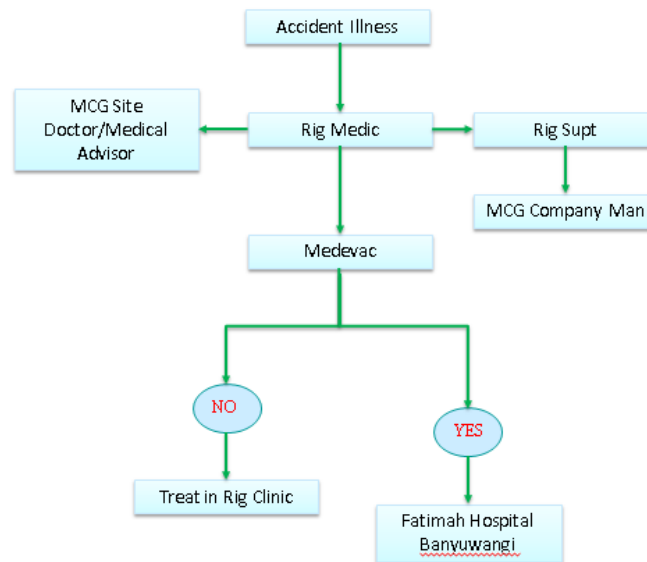


Figure4. MERP Ijen Project

MCG 3rd party's contractor or others: for Medevac to Jakarta or any other city will depend on each company policy.

7.1.4. MAP OF HOSPITAL INTERMEDIATE MEDICAL TREATMENT

1. FATIMAH HOSPITAL FOR MILD AND MODERATE MEDICAL CASE

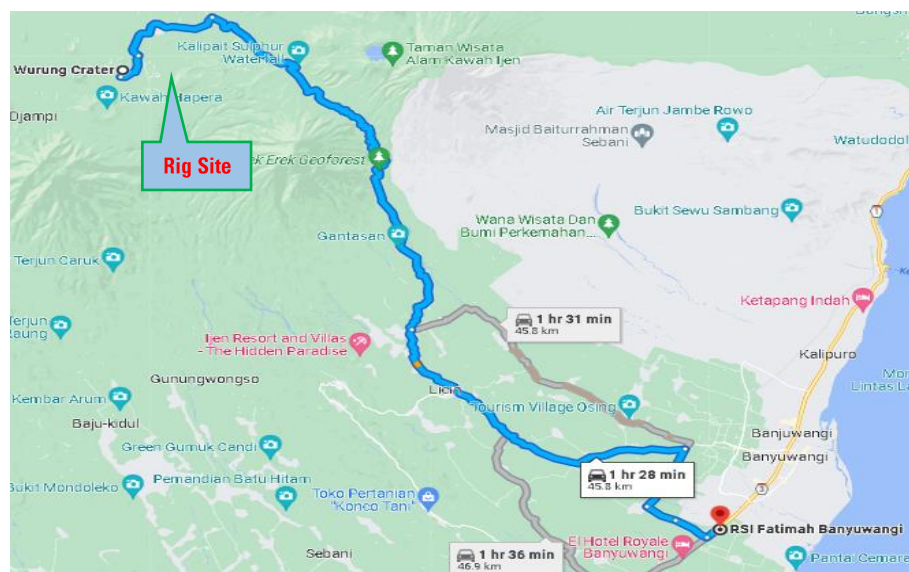

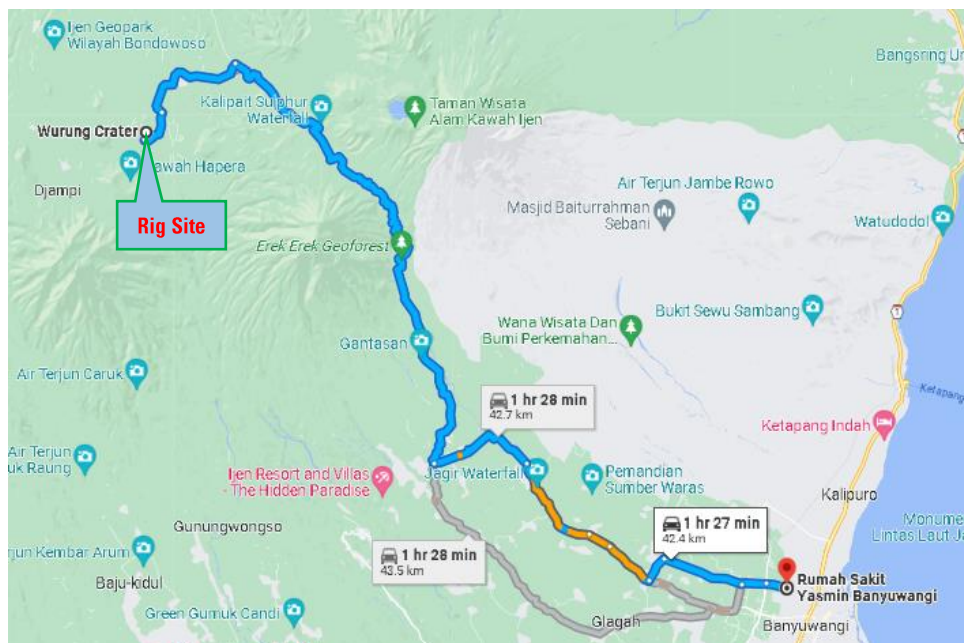


Figure5. Map of the Emergency Evacuation Route from Ijen Field to Fatimah Hospital Banyuwangi

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First Option for Mild to Moderate Case – Fatimah Hospital Banyuwangi	
Fatimah Hospital Banyuwangi Address : Jl. Raya Jember No.25, Dusun Krajan, Kalirejo, Kec. Kabat, Kabupaten Banyuwangi, Jawa Timur 68461 Telp : (0333) 421451 HP: +62 823 35448458 Email : -	<ul style="list-style-type: none"> ♣ Located at down town of Banyuwangi 2 Hours from Ijen Geothermal Field ♣ Hygiene is acceptable ♣ Medical facilities : ER (8 bed, defibrillator, lifesaving equipment), ICU 4 bed with ventilator(2), surgery room (2), lab, pharmacy, CT scan ♣ Specialists available as pediatrician (2), obsgyn (2), surgeon (general surgeon (2), orthopedic (1), urology (1), internist (2), neurologist(2), anesthesia, pulmonologist (1), dermatologist (1), ophthalmologist (1), radiologist, clinic pathologist, ENT (1), cardiologist (1), physiotherapist (1), dentist (1) ♣ This hospital only able to handle minor to moderate medical cases, or to stabilize for severe cases.

2. YASMIN HOSPITAL FOR MILD AND MODERATE MEDICAL CASE





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Figure5. Map of the Emergency Evacuation Route from Ijen Field to Fatimah Hospital Banyuwangi

First Option for Mild to Moderate Case – Fatimah Hospital Banyuwangi	
Yasmin Hospital Banyuwangi Address : Jl. Letkol Istiqlah No.80-84, Singonegaran, Kec. Banyuwangi, Kabupaten Banyuwangi, Jawa Timur 68415 Telp : (0333) 424671 HP: - Email : -	<ul style="list-style-type: none"> ♣ Located at down town of Banyuwangi 2 Hours from Ijen Geothermal Field ♣ Hygiene is acceptable ♣ Medical facilities : ER (8 bed, defibrillator, lifesaving equipment), ICU 4 bed with ventilator(2), surgery room (2), lab, pharmacy, CT scan ♣ Specialists available as pediatrician (2), obsgyn (2), surgeon (general surgeon (2), orthopedic (1), urology (1), internist (2), neurologist(2), anesthesia, pulmonologist (1), dermatologist (1), ophthalmologist (1), radiologist, clinic pathologist, ENT (1), cardiologist (1), physiotherapist (1), dentist (1) ♣ This hospital only able to handle minor to moderate medical cases, or to stabilize for severe cases.

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Medco Ijen Medical Emergency Response Plan Flow Chart

MCG Blawan-Ijen Drilling Medical Emergency Plan

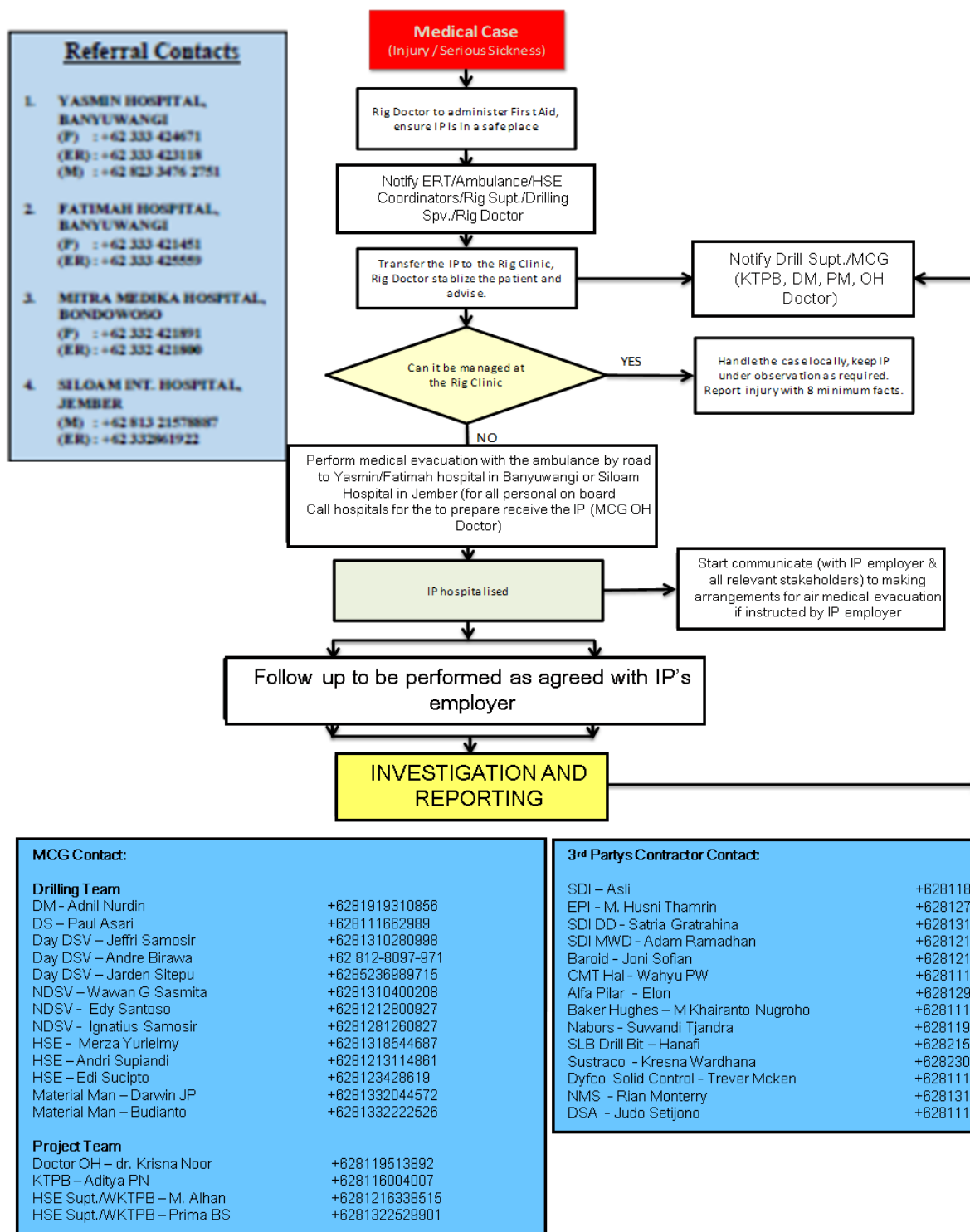



Figure6. Flowchart MERP

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7.1.5. DETAIL MEDICAL EMERGENCY EVACUATION PLAN

Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Section 7 page 30 and its appendices.

7.2. FIRE

An outbreak of fire at the site is a possibility that represents a major risk to people, equipment and the environment and every person on the site must be constantly on the alert. Site fires can be caused in many ways, including welding, oxy cutting, using flammable liquids, electrical faults, etc. Drilling Contractors procedures for the prevention of fire must be observed.

Contractor's personnel must be familiar with the potential fire risks associated with their area of responsibility at the rig and support base and what to do in the event of a fire.

The Rig Superintendent is in charge of the emergency response and safety of all personnel on location. The Rig Superintendent has the authority to call. Rig Superintendent shall coordinate well control/well security with the Drilling Supervisor and the drilling team in field.


Drilling Supervisor to make all efforts to communicate to the Drilling Superintendent and KTPB, providing a situation report on the emergency situation and details of any assistance required external to resources controlled from the rig site.

Basic response policy of this situation is:

- Incipient fire shall be combated properly as swiftly as possible by finder(s).
- Firefighting team and/or rescue team immediately after the occurrence of the fire to undertake the necessary countermeasures.

7.2.1. PRIMARY ACTION

- For the drilling project, the drilling contractors will provide a fire alarm clearly audible at all parts on the Rig.
- The person who first sees the fire should raise an immediate alarm in the local area by shouting "fire, fire", using the mechanical alarm and direct attention to the area concerned.
- Immediately inform to the rig floor, report to Drilling Supervisor and Rig Superintendent.
- Crew(s) finding fire shall set the alarm regardless of the extent of the fire and report to Rig Superintendent & Drilling Supervisor.
- Rig HSE/Rig Superintendent initiate of Rig ERT
- Upon hearing the alarm, all personnel must take out the T-Card and proceed to the Muster Point without attempting to recover any personal belongings.
- On becoming aware of a fire, the Drilling Supervisor and Rig Supt. or his alternate must take immediate control of the situation and take all necessary actions to ensure the safety of employees and the protection of rig and equipment.
- The ERT shall rescue human life at risk if any and fight the fire.
- Drilling Supervisor shall report to Drilling Superintendent on the situation and request for any assistance such as materials/equipment supply.
- The Site Doctor / First Aider and Ambulance stand by at the Muster Point with Responder bag, Trauma Kit and fire blankets.
- If a fire breaks out at Rig Site / Basecamp :

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- The HSE Supervisors, or in charge personnel, should Checking the T-Card board and POB List. The HSE Supervisor, or designate, must then notify the Rig Superintendent & Drilling Supervisor of any missing persons.

7.2.2. FIRE FIGHTING

- All trained personals as far as is safe and practicable use the nearest available fire extinguisher to extinguish a fire.
- Members of firefighting team shall be calm and exercise with caution. Rig ERT shall find out details of the fire Find out Origin/location of fire and Cause and type of fire
- Any crew shall give priority to the rescue of human life at risk and rescue & evacuation route over firefighting.
- Exercise the weather condition such as wind direction & speed
- Assess extent/force of fire
- Assist appropriate fire extinguishing measures and fire extinguisher type
- Firefighting team shall fight according to the instructions of Rig Superintendent.
- Rig ERT shall evaluate/monitor the condition and determine whether any assistance from the ERT and/or outside is required or not.
- Rig ERT shall consider recharge/replace firefighting equipment such as extinguishers.
- Rig fire pump shall pump a water spray over the Rig if necessary.

7.2.3. PREVENTIVE ACTION

The following basic requirements apply:

- Personnel who assigned as Fire Fighter or Fire Emergency Response Team should be deployed before spud. Drilling Supervisor shall initiate rig ERT including Rig Superintendent, Tool Pusher, Rig Doctor, Rig Medic, Rig Crews and 3rd parties personnel as members for Fire Fighting Team.
- Fire drills must be held at regular intervals to familiarize personnel with their responsibilities in case of a fire.
- Personnel must be trained in the use of portable extinguishers and other designated equipment if they are expected to use those devices in responding to a fire.
- Only designated and trained personnel should attempt to extinguish a fire that has advanced beyond the incipient stage.
- Inspect regularly (monthly) the expiration of fire extinguisher
- Re-fill or replace the used fire extinguisher

Note: All fire extinguishers must be returned to original locations. All used fire extinguishers MUST be replaced!


7.3. HAZARDOUS SUBSTANCE SPILL

Any hazardous substance spill considered greater than 5 litres shall be reported to Drilling Supervisor and activate Emergency Response Group.

On Duty Security and ER Coordinator will evaluate the emergency for further communication to authorities and external relations group in case of spill to the communities.

The initial spill report should cover as many of the following points as possible:

- Date Spill Sighted
- Time
- Location (Well pad, road, facilities etc.)
- Type of incident

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- Type of substance (crude oil, distillate, cement chemical etc.)
- Volume of Spill
- Rate of Spill (if not stopped)
- Wind Speed and Direction
- Current Speed and Direction
- Weather Conditions (rain, fog, clear, etc.)
- Temperature
- Actions Taken or Planned to Control Spill and Slick Time and date
- Details of any personal injuries or fatalities

7.3.1. PRIMARY ACTION

The first action Drilling Supervisor will take is to ensure the safety of on-site personnel and then to take immediate steps to contain or close the source of discharge.

- Close the valves, pipe or any facilities concerned with discharge;
- Attempt to isolate the source of discharge; and
- Shut-down system.

All necessary steps will be taken to accomplish this objective including cessation of normal operations if necessary. After appropriate safety measures have been taken, the Drilling Supervisor will attempt to determine the cause and magnitude of the discharge and active Rig Emergency Response Team.

7.3.2. HAZARDOUS MATERIAL SPILL RESPONSE


The Spill Control Plan addresses pollution prevention by identifying spill scenarios and procedures to prevent and control them.

There are two tier spill response. Spill response arrangements will be dependent upon the rating of the spills:

- Tier I: Within capability of site resources. Refers to a spill involving a quantity small enough such that the emergency spill kit materials available are sufficient to contain and clean-up the spill.
- Tier II: Exceeds site resources – Initiate the local pollution Control Board for additional resources. Refers to a spill involving quantities that cannot be contained safely with the spill kit materials on site and/or it threaten the building or the environment (e.g. discharge into sewer). Depending on the materials involved, major spills may pose significant fire, health or environmental hazard that require prompt clean-up by a qualified emergency spill response company.

In the event of hazardous material spill involving Contractors services, the Field Leader employee will attempt to contain the spill and isolate the area and ignition sources. The Field Leader will contact the Drilling Supervisor / Rig Less Drilling Supervisor, and MCG Drilling Supt./Manager and advise them of the situation, what hazardous material is involved with the spill, if it is in secondary containment, estimated volume, and if the spill can be contained. The field lead will consult the MSDS for proper PPE, handling, and disposal procedures and advise others responding to the spill.

Any environmental spill to be initially handled as per above. The ERT should be kept informed. It is the responsibility of respective locations to maintain enough spill kits as needed based on operations. Disposal afterwards of the waste to be done through approved vendor.

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The steps below outline the procedures to manage and mitigate the environmental, health, and safety impact of a hazardous material spill:


- Determine the type of spill (Level 1 or Level 2).
- Refer to Safety Data Sheet for applicable spill response materials and procedures.
- Report all spills to the person in charge of MCG, or responsible for the area.

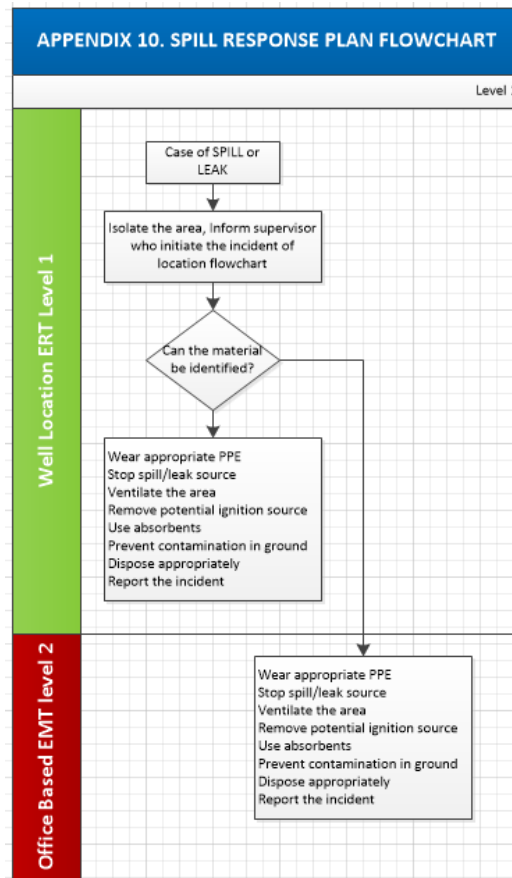
1. Level-1 Minor Spills

- Promptly stop or shut off the source of the spill.
- Shut down activities and isolate the spill.
- Eliminate all sources of ignition (e.g. electrical equipment, sparks, flames etc.).
- Ventilate the area using natural or mechanical ventilation (e.g. fume hood, open doors, windows etc.).
- Contain spills by placing a dam around them using absorbent socks or inert absorbent material. Prevent material from entering drains or sewers.
- Place absorbent or neutralizing material on the material (refer to SDS for proper procedure).
- Pick up the material with a scoop or shovel made of non-sparking and non-reactive material and place in a compatible container, label and dispose as hazardous waste.

2. Level-2 Major Spills

- Promptly stop or shut off the source of the spill.
- Shut down activities and isolate the spill, if possible and safe to do so.
- Eliminate all sources of ignition (e.g. electrical equipment, sparks, flames etc.) if possible and safe to do so.
- Evacuate the area and restrict further access.
- Notify the person in charge of, or responsible for the area.
- Notify Security Services.
- Pull the fire alarm if necessary.
- Evacuate the personnel if the fire alarm is activated.

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7.4. ROAD TRAFFIC INCIDENT


Road Traffic Accidents (RTA) presents the highest risk to personnel on journeys both directly, on impact, and indirectly, from violent acts against the vehicle, driver and employees, following impact. The most senior employee present is directly responsible to the company for the 'safe passage' of the journey. The driver is directly responsible to this person, to ensure he maintains his vehicle to a high standard, carries out his routine duties as instructed and drives at all the times.

In the event of an accident the driver is to carry out the following actions:

- Ensure the safety and wellbeing of all passengers. In the event of a potentially hostile crowd gathering he should attempt to:
- If vehicle is still able to move, drive to the nearest Police station, or armed police post and report the incident to uniformed officer.
- If vehicle is not able to move and still can walk, walk as quickly as possible to the nearest police station or armed police post if close and visible or into a nearby house/shop and by telephone report incident to field HSE, Field Leader and emergency services.
- Administer first aid and assist emergency services, as necessary.

7.5. RELEASE OF H2S

The operations are expecting H2S content in the formation and steam. A comprehensive H2S Contingency Plan is in place. Refer to EPI Bridging HSE Plan Emergency Preparedness Emergency Response Plan H2S, If H2S is detected on surface, the system will automatically alarm and all personnel will follow steps as practice during the H2S Drills. An evacuation plan is also in place if it becomes necessary for everyone to evacuate.

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MCG KTPB /Vice KTPB with related team ensure the H2S on the nearest village at Curah Macan, if there is H2S detected, MCG will support evacuation process on the Curah Macan village and evacuating to the dedicated muster point on Curah Macan Village.

7.6. NATURAL DISASTER - EARTHQUAKE

Java Indonesia is on the tectonic plate where the latest major earthquake occurs in September 2009. There is a possibility that during the drilling campaign a minor earthquake may happen in Ijen area. All equipment is secured as firm as possible to prevent falling down and create damages to the existing production pipe line, personnel, other equipment, etc. This includes the arrangement in the office container, catering, camp and vehicles. Earthquakes can seriously damage structures. Some of the greatest dangers to people in an earthquake is when equipment and non-structural elements such as ceilings, partitions, windows, lighting fixtures shake loose.


7.6.1. PRIMARY ACTION

- **Rig Superintendent or his designate will sound the general alarm**
- **Remain clam**
- **Secure the equipment, tools in safe place**
- **Get out of the office container, rig floor**
- **Go to Muster point**
- **Account for personnel**
- **Drilling Supervisor consults the on Duty ER Coordinator for further instruction**
- **MCG KTPB /Vice KTPB with related team ensure the Disaster impact on the nearest village at Curah Macan, if there is critical impact, MCG will support evacuation process on the Curah Macan village and evacuating to the dedicated muster point on Curah Macan Village.**

7.6.2. MITIGATION MEASURES

- **Inspect facility for objectives that could fall, spill, break, and move during an earthquake and secure**
- **Drops audit and register needs to be done to identify and track requirements**
- **Move large heavy objects to lower shelves or floor**
- **Hang heavy objects away from where people work**
- **Secure shelves, filing cabinets, tall furniture, desktop equipment, computers, printers, light fixtures**
- **Secure fixed equipment and heavy machinery to floor. Larger equipment can be placed on casters and attached to tethers and secured to walls**
- **Establish procedures to determine whether evacuation is necessary**
- **Designate areas away for exterior walls and windows for occupants to gather if an evacuation is not required**
- **High center of gravity tanks such as bulk tanks and upright liquid storage tanks should be level and on a solid compacted base.**
- **Chock pipe on pipe rack tightly to prevent unexpected rolling around and injury to personnel.**
- **Maintain wheel chocks on large vehicles such as wireline units Response**
- **If indoors, stay there, take cover under sturdy piece of furniture or counter, and brace yourself against inside wall. Protect you head and neck.**
- **If outdoors, move into the open, away from standing structures and objects**
- **If at the rig, stay where you are until the shaking stops, then move to the muster point**

After earthquake, move to muster point and await further instructions. The below instructions should be done after an earthquake.

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Do's	Dont's
Check for fire water and electrical lines for defects, if any, have it controlled. Leave a message stating where you are going if you must evacuate your Office Building/residence.	Don't enter partially damaged buildings. Strong aftershocks can cause further damage to the buildings and weak structures may collapse
If you are in elevator, please aware that it will automatically stop at the nearest floor. If an elevator is old and does not have an earthquake sensor, press all buttons. Once it stops, get out of it	Don't use your two-wheeler/car to drive around the areas of damage. Rescue and relief operations need the road for mobility
Clean up Kitchen/Canteen/household chemical spills, toxic and flammable materials to avoid any chain of unwanted events	Do not use the lift until it has been checked and certified by the lift company
If you are outside the building, Move to open area away from building, roofs, trees, electric poles and others that may collapse	If you are trapped in collapsed building. DO NOT shout or cry when no help is around. Save your energy

7.7. NATURAL DISASTER – VOLCANIC ERUPTION


Since the project area is located in the old crater and flanked within 2 active volcanic mountains (Mount Raung and Mount Ijen), there is a possibility that during the drilling campaign a volcanic eruption may occur in Ijen area. Eruption can seriously damage the equipment and threatens the safety of human life. The greatest dangers to people in a volcanic eruption are when hot material, toxic gas, hot steam blown out from the point of eruption.

7.7.1. PRIMARY ACTION

- Remain clam
- Secure the well, equipment, tools in safe place
- Get out of the office container, rig floor
- Go to Muster point
- Account for personnel
- Drilling Supervisor consults the on KTPB-Vice KTPB for further instruction
- Evacuate all personnel as soon as possible to outside impacted areas of volcanic eruptions.
- Coordinate with local Search and Rescue-SAR/BPBD Bondowoso.
- MCG KTPB /Vice KTPB with related team ensure the Disaster impact on the nearest village at Curah Macan, if there is critical impact, MCG will support evacuation process on the Curah Macan village and evacuating to the dedicated muster point on Curah Macan Village.

7.7.2. MITIGATION MEASURES

- Care and pay attention/awareness of the signs of a volcanic eruption
- Drill all the crews how to evacuate of any volcanic eruption

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7.8. POLITICAL OR CIVIL UNREST & SECURITY INCIDENTS

7.8.1. POLITICAL OR CIVIL UNREST

The term of civil disturbances / unrest / demonstration here means a situation involving a group of people expressing a desire or complaint to the Company. When dealing with this situation, negotiation is preferred rather than confrontation. The event usually does not happen suddenly. Therefore, the security usually receives the information and is prepared for.

In the event of social unrest (Political, regional or by any reason) around the area of operations, awareness of one's surroundings must be maintained at all times. Though acts of aggression specifically targeted towards project employees and contractors are not common occurrences, acts of sabotage on drilling contractors, and MCG-owned facilities, Pads and equipment can pose a significant safety concern to personnel. Such an incident may require the activation of one or more of the site's ERPs including radiation and explosives. Whenever criminal activity or acts of sabotage are observed, discovered, or suspected the witnessing party must immediately inform the Drilling Superintendent whom will escalate to the MCG PM and Drilling MCG Manager.

We need to gather information about the possible security threats and treat it as per the severity.

Below are the Key points to minimize exposure to danger:

- Avoid confrontation at all cost
- Objectives are to assure no further harm to people, the environment, and / or property and to preserve evidence.
- Consider shutting down the task or the entire job depending on the incident severity
- Once the area is secure, mobilize emergency response resources as appropriate
- Resume work only when it is safe to do so


The Drilling Superintendent / Rig less Superintendent and Drilling Supervisor will record any security incident in the incident category that caused the most serious consequences.

In the event of any intruder/theft situation:

- Immediately notify the Drilling Superintendent / Rig less Superintendent. Provide details of location, number of intruders, type (do intruders seem peaceful or hostile) and of any noticeable weapons present. If intruder incident is clearly a demonstration, take note of the overall message of the demonstration (slogans, chants and contents of picket signs). All personnel will make every attempt to avoid contact with intruders, unless preventing access to critical areas/processes
- An Incident Severity Assessment will be conducted to assist in determining response procedures; a controlled shut down of operations may need to be conducted to preserve the safety of both facility personnel and intruders. The SSA will assist in all security responses
- The On-Site ERT Leader will liaison with Drilling Supt. to resource security support at the affected site
- Drilling Superintendent / Rig less Superintendent will establish alternate routes of entry and egress to and from the area if possible

7.8.2. EMERGENCY MANAGEMENT – SECURITY EVENT

In the event of a security related event occurring in any area where project personnel are present, it is vital that we respond in a positive and timely manner.

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When an event occurs, any personnel who are in the location or aware that an event has occurred, should contact their manager / base to report the event and to confirm whether they are safe or require assistance.

In response to a security / terrorist related event, field personnel will:

- Inform Drilling Superintendent / Rig less Superintendent of the nature of the event and the location of the event.
- Confirm if they are safe or if they require assistance leave a telephone contact number.
- It is recommended that personnel involved in a security / terrorist related event:
- Leave the location of the event and go to a safe location
- Avoid any un-necessary travel, until the situation is clarified

MCG will respond to security / terrorist related event by:

- Checking on the safety of all personnel via "AlertFind"
- Ascertaining the nature and location of any event
- Providing assistance to personnel where it is safe to do so
- Developing an event specific response plan
- Inform the MCG KTPB-Vice KTPB of the nature and location of the event
- Liaise with MCG Management if applicable

7.8.3. DO AND DON'T

- DO NOT say things that may upset their sensitivities
- DO Use plain, Polite and simple language
- DO Treat the demonstrators politely and with respect
- DO NOT panic and stay calm
- DO Show a constructive understanding, to increase the possibility that we can influence them
- DO NOT insult their representatives
- DO Secure your vehicle, Equipment and Properties


7.9. WELL CONTROL EMERGENCY

A well control incident in drilling & completion and live well intervention is defined as a failure of barrier(s) or failure to activate barrier(s), resulting in an uncontrollable flow of formation:

1. Into the well
2. Into another formation or
3. To the external environment.

In the event of well control situation a security related event occurring in any area where project personnel are present, it is vital that we respond in a positive and timely manner. Non-essential personals are gathering to muster point by considering to the opposite direction of wind sock.

When an event occurs, the essential personnel (Drilling Supervisor, Rig Supt., Tool Pusher, Driller, Assistant Driller, Mud Engineer, Floor man, H2S Engineer, Rescue Team) under Drilling Supervisor commander is control the situation. For detail sequence of well control is referring to MCG-DRL-PROC-Well Control, March 2023.

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8. EMERGENCY DRILLS

Preparation for the emergency is critical. Each type of preparation needs to have regular drills. Drill schedule will be supervised and ensured by Drilling Supervisor as per HSE Plan.

During the drills, Rig HSE officer will observe and report to Drilling Supervisor and debrief with HSE coordinator.

9. ALLOCATION OF RESPONSIBILITY MATRIX IN CASE OF EMERGENCY

Response Element	MCG	Services Company	Rig Contractor
Drilling Supervisor (On Site commander)	X		
First Line of Intervention			X
Notification to MEDCO Office	X		
Notification to contractor office	X	X	X
Ambulance Medivac			X
Air Medivac			
Equipment		X	X
Materials		X	
Medical Advice And Support	X		X
Media Response	X		
Government Relation	X		

APPENDIX 1. MEDICAL EMERGENCY RESPONSE PLAN - EVACUATION FORM

Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Appendices 6, 7 and 8 pages 58, 59 and 60.

APPENDIX 2. MINIMUM FACTS

8 Minimum Facts:

- What kind of accident? How severe is the accident?
- Place of the accident occur?
- Time of accident / incident happen?
- Name of injured person? Employee or contractor?
- Job Title of injured person?
- What first aid have been given?
- Current condition of injured person?
- Any asset or environment loss? Contact details in location?

APPENDIX 3. EMERGENCY RESPONSE DRILL EVALUATION FORM

Refer to MCG-OH-HSE-001-DOC-Emergency Preparedness Rev.003 05 January 2023, Appendices 9 pages 61, 62 and 63.