

จ. สรุปแผนรองรับเหตุฉุกเฉินของบริษัทยูโนแคลไทยแลนด์ จำกัด

ภาคผนวก จ

สรุปแผนรองรับเหตุฉุกเฉินของบริษัทยูโนแคลไทยแลนด์

จำกัด

E.1 INTRODUCTION

Unocal Thailand has prepared Emergency Procedures and manuals that describe the procedures for onshore and offshore operations. Separate and facility-specific Emergency Procedures have been developed for each area of operation or facility of Unocal's activities. Emergency Procedure Manuals have been prepared for facilities in:

- Bangkok
- Songkhla
- Erawan Floating Storage and Off-loading tanker

Emergency Procedure Manuals have also been prepared for specific activities that occur on different facilities. These include:

- Offshore Drilling
- Offshore Production
- Construction Onshore and Offshore

E.2 EMERGENCY PLANNING

The categories covered by the Emergency Procedures include:

- Fire/Explosion
- Well Problem/Blowout
- Leak/Spill/Hazmat
- Medical/Missing Person/Man Overboard
- Aircraft/Vessel Incident
- Collision/Interference By Shipping
- Bomb Threat/Civil Disorder
- Abnormal Weather/Natural Disaster
- Equipment/Structural Failure
- Facility Evacuation

Unocal Thailand Emergency Procedures provide for the following:

1. Emergency Equipment Layout Diagram

This is a prominently displayed poster (wall mounted) having a diagram in plan view of the work area or facility, showing its boundaries and subdivide areas along with escape routes from each. It also shows the location of emergency and personal protection equipment along with indicating the types and areas with hazards.

2. Emergency Station Bill

The Emergency Station Bill is a prominently displayed poster (wall mounted) indicating methods by which emergencies are announced and detailing the actions and emergency duties of each person, along with where visitors should report when an emergency occurs.

3. Command Point

The Command Point is the designated location equipped to handle the logistics and coordination of an emergency. This is the radio/telephone equipped emergency station for the OIM/Drillsite Manager or “Person In Charge” and must have available an Emergency Procedures Manual and other emergency references and resources.

4. Site Specific Emergency Procedures Manual

This is the manual for the specific field/facility or operation that contains the preplanned Emergency Checklist for the Unocal Emergency Organization formed by the staff along with details on training, communications, external notification, and resources.

5. Bangkok Emergency Control Center

The Emergency Control Center is the Bangkok SCB (East) Conference Room 351 which is equipped to handle the logistics and coordination of an emergency from a remote position. Using the Bangkok Office will allow the normal staff to utilize their normal resources to support the emergency and expedite decisions.

6. Bangkok Family Information Center (FIC)

When considered necessary, the Family Information Center is set up and manned in the Bangkok Office SCB (East) Conference Room 301 to provide information and answer questions from families and employees during an emergency. A recorded message may be used to provide initial information and when necessary, personnel will answer and provide “live” information and log caller requests. Separate FIC Procedures Manuals are provided for the operation of the FIC.

7. Bangkok Emergency Control Center Emergency Procedures Manual

This is the manual for the personnel of the Bangkok Emergency Control Center. It contains the preplanned Emergency Checklists for the Unocal Thailand Emergency Support Organization formed by the Bangkok staff along with details on training, communications, external notification, aid and resources.

8. Manned 24 Hour Call Out Centers

This is the Bangkok and alternatively the Songkhla Radio Rooms that are manned 24 hours per day with personnel to handle the requests and any necessary call outs of Duty or Emergency Support Personnel.

9. Emergency Duty Roster

This is a predesignated assignment list of Unocal Thailand Duty Personnel charged with supporting and coordinating an emergency, they are "on 24 hour call" and are provided with pagers and cellular phones. This list is issued weekly and assigns a person and an alternate to, "on-call status" from the Asset Teams, Drilling, Logistics and other departments as required.

10. Songkhla Emergency Support Center

The Songkhla Emergency Support Center will be established if deemed necessary at the Unocal Thailand Songkhla Production Warehouse when and if necessary additional staff from Bangkok will be provided. This will be done so that resident Songkhla Personnel can be relieved to perform their normal duties and utilize their normal resources to support the emergency.

11. Remobilization Coordinators

Remobilization Coordinators will be assigned and will work at Songkhla or at a remote location if necessary. The Remobilization Coordinators handle the arrangements necessary for receiving, housing and scheduling the return to work of persons during and after an evacuation.

12. Songkhla Support Center Emergency Procedures Manual

This is the manual with procedures and guidance for the personnel of Songkhla and the Functional Positions that will handle the operations of the Songkhla Support Center routinely and during an emergency.

E.3 TRAINING FOR EMERGENCIES

The essential elements of emergency preparedness is training and the assignment of personnel with specific duties and responsibilities, followed by continued drills or exercises such that necessary actions become "second nature" when a real emergency condition occurs.

Preparatory emergency training is mandatory and as appropriate includes the following:

- Key Individual Emergency Procedures Training
- Pre-Emergency Planning Requirements
- Emergency Evacuation Planning
- Spill Prevention Control & Counter Measure Procedures Training*
- On-site MSDS's And Their Use
- Hazmat Response Training
- React/Back-up Team Leader Training
- Personnel Accounting Procedures
- Fire Response Training
- Rescue Training (Man Overboard)
- Sea Survival Training
- Search and Rescue Training
- Accident/Incident Reporting Procedures

Training and periodic drills will also identify and allow for the correction of deficiencies in the procedures and allow improvement of the Checklists and Procedures.

E.4 EMERGENCY PROCEDURE MANUALS

The Unocal Thailand Emergency Procedures Manuals (EPMs) are arranged in two parts. The sections of Part I provide specific details on the responsibilities of the key individuals and provides resource guidance which may be helpful during an incident, e.g., telephone directory references, details or forms with guidance on required notifications and reporting, and the Unocal Thailand Emergency Organization provided in a condensed format. The sections of the EPMs are divided with tabs for easy reference.

The Checklists of Part I of the Manuals are the heart of the procedure as they provide a systematic approach to the actions necessary during an emergency or spill. The basic premise is that, if each key person follows their

Checklist, most necessary activities will be considered and performed without a duplication of effort. There are, however, items within the Checklists to confirm important actions or to "coach" another key individual. This is to ensure no actions are overlooked and they are designed to be a double check, not a duplication of effort.

Each numbered line of the Checklist is a brief action statement designed to refresh the person's memory about a particular action each statement should be considered for its applicability then either performed if the action is relevant to the present emergency or skipped and the action on next line then carried out.

The remainder of Part 1 contains resource guidance which may be helpful during an emergency, i.e. telephone directory reference, and details or forms for notifying third parties.

Part 2 contains the training materials of the manual, these sections provide more specific details on the responsibilities of the key individuals and present background information on the Unocal Thailand emergency procedures and the duties of both the Offshore, Onshore and Emergency Control Center staff during an emergency.

Emergency Drill Report Forms are located in the Training Exercises Section of the Emergency Procedures Manuals. These are designed to aid in planning training exercises and drills. The forms are completed and distributed after each training drill or exercise to benefit from the lessons learned.