L.1 **PURPOSE**

The purpose of this Emergency Response Procedure is to provide measures and guidance for the establishment and implementation of emergency preparedness plans for the Nam Ngiep 1 Hydropower Project. The aim of the Emergency Response Procedure is to:

1) Ensure all personnel and visitors to the office/job sites are given the maximum protection from unforeseen events.
2) Ensure all personnel are aware of the importance of this procedure to protection of life and property.

L.2 **EMERGENCY PREPARATION AND RESPONSE MEASURES**

The emergency management program is applied to all Project elements and intend for use throughout the Project life cycle. The following are some emergencies which may require coordinated response.

1) Construction Accident
2) Road & Traffic Accident
3) Hazardous material spills
4) Structure collapse or failure
5) Trauma or serious illness
6) Sabotage
7) Fire
8) Environmental Pollution
9) Loss of person
10) Community Accident

L.3 **RESPONSIBILITIES**

The roles and responsibilities detail of certain key members of the Emergency Response Team available to assist in emergency.

*Table L.1 Emergency Response Team*

<table>
<thead>
<tr>
<th>Action Group</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Coordinator</td>
<td>• Overall control of personnel and resources.</td>
</tr>
<tr>
<td></td>
<td>• The Emergency Coordinator will support and advise the Site Safety Supervision as necessary.</td>
</tr>
<tr>
<td></td>
<td>• Serves as public relations spokes persons, or delegates to some staff member the responsibility for working with news media regarding any disaster or emergency. Also assure proper coordination of news release with appropriate corporate staff or other designated people.</td>
</tr>
<tr>
<td>Action Group</td>
<td>Responsibility</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Site Safety Supervision (Emergency Commander) | - Overall responsibility for activating emergency plan and for terminating emergency actions.  
- Be alternative of emergency response chairpersons.  
- Disseminates warnings and information as required to ensure all people in the immediate area have been warned and evacuated either by alarms or by word of mouth.  
- Supervise the actions of the Emergency Response Team to ensure all persons are safe from the danger.  
- Notify outside authorities if assistance required.  
- Carries the responsibility for coordinating actions including other organizations in accordance with the needs of the situation.  
- Ensure maximum Co-operation and assistance is given to any outside groups called to respond to an emergency.  
- Establish and appoint all emergency organization structure and team.  
- Assures adequate delegation of responsibilities for all key positions of assistants on the Project to assist with any foreseeable emergency.  
- Ensure resources available to purchase needed emergency response equipment and supplies.  
- Assures that all persons on the Emergency Response Team aware and fully understand their individual responsibilities for implementing and supporting the emergency plan.  
- Establish the emergency drill schedule of all identified emergency scenarios, track the status and evaluate the emergency.  
- The Emergency Commander shall ensure that senior management personnel have been reported of the emergency as soon as practical after the event. |
| Security Team                        | - Ensure that the exit route is regularly tested and maintained in good working order.  
- Maintain station at the security gate or most suitable location to secure the area during any emergency such that only authorized personnel and equipment may enter, prevent access to the site of unauthorized personnel.  
- Assist with strong/activation of services during an emergency.  
- Ensure vehicles and obstructions are moved to give incoming emergency vehicles access to the scene, if ambulance or emergency services are attending the site, ensure clear access and personnel are located to direct any incoming emergency service to the site of emergency. |
| Rescue & Medical Team                | - Protect the injured from further danger and weather.  
- Provide treatment to the victim(s) to the best of their ability by first aid and then transfer to hospital.  
- Remain familiar with the rescue activities and rescue apparatus.  
- Assist outside medical services personnel when they arrive |
<p>| General Administration Team         | Response to support any requested general facilities for assist Emergency Response Team in their work. |</p>
<table>
<thead>
<tr>
<th>Action Group</th>
<th>Responsibility</th>
</tr>
</thead>
</table>
| Government Relation Team     | · Coordinate with local government on a matter of concerned in the emergency response plan to liaise with local officers in their affair for support Emergency Response Team.  
                               · Coordinate emergency plan with the government authorities, local community.                                                                   |
| Environment Team             | In case of emergency related to the environmental pollution such as the chemical spill, oil spill into the ambient, the environment team will support the technical advice to control and mitigate the pollution until return to the normal situation |
| Department Heads             | · Call up of personnel into the safe location for protective life and property.  
                               · Take immediate and appropriate action while Emergency Response Team is being mobilized.  
                               · Keep in touch with the Emergency Commander  
                               · Control and supervise operators and contractors on the implementation of this procedure, with consultation with Safety Team as necessary.  
                               · Provide and maintain emergency equipment of their responsible areas.                                                                           |
| Other Staff and Employees    | · All other staff and employees will remain at their workstations or assembly point unless directed otherwise from Emergency Response Team.  
                               · Each supervisor will ensure that all members of his work group are accounted for and keep in touch with each of their Department Head. |

**L.4 PROCEDURE**

Emergency situation and injuries to person can occur at any time or place either on Project site or elsewhere. The most two common types of emergencies on site are fire and serious accident.
In the event of injuries of persons, the first person on the scene should take the following action:

1) If a hazard exists consider your own safety then if possible remove the hazard or the injured person.
2) Assess the patient by checking for Airway, Breathing, Pulse and obvious injuries
3) Report directly to First Aid or Security Centers, when raising the alarm you must clearly give the following in formation; 
   - Your name and the detail of accident
   - The location of the injured person(s)
   - The number of persons injured
   - The extent of the injuries, if known
   - What known hazards are in the area
4) Make the injured person as comfortable as possible
5) Treat the obvious injuries
6) Reassure the injured person
**L.5 COMMUNICATION WITH AUTHORITIES/PRESS AT SITE**

In the event of an accident or incident, only senior staff is permitted to give factual information to the authorities for resource of liability exposure. The press must be avoiding politely, at all costs, with the terse comment that “the matter is under investigation and relevant information when available will be provided by our Head Office” Do not ever give your opinion or story.

**First Aid Persons**

Upon advice of medical emergency, make immediate assessment to response required and if necessary, advise security to summon ambulance or medical assistance, the qualified first aid attendant should also,

- Provide treatment to the victim(s) to the best of his/her ability.
- Ensure the safety of victims by ceasing any work activity in the area.
- Protect the injured from further danger and weather.
- Assist medical services personnel when they arrive.

**General Administration Team**

Upon advice of medical emergency, maintain contact with first aid personnel and summon ambulance if required.

**Security Team**

- If ambulance or emergency services are attending the site, ensure clear access and personnel are located to direct vehicle closest to the scene.
- Prevent access to the site of unauthorized personnel (press, etc.).

**Emergency Coordinator**

- The Emergency Coordinator shall assist emergency personnel at the scene as required through allocation of company resources.
- The Emergency Coordinator shall ensure next-of-kin are properly notified as soon as possible and give whatever company support and assistance is necessary to assist them bundle the situation
- The Emergency Coordinator shall ensure that senior management personnel are advised of the emergency as soon as practical after the event.
EMERGENCY ORGANIZATION CHART

Note: Name of contact person and call number from Owner/Contractor to be determined.
NAM NGIEP 1 HYDROPOWER PROJECT INCIDENT & ACCIDENT REPORT

Section A: Identification Data

Report No: 
Date of Reported: 
Reporter: 
Sign: 
Job Title: 
Company Name: 

Section B: Violence Rate

Accident Violence: 
- 01-Death 
- 02-Serious Injury 
- 03-Lost Time Injury 
- 04-First Aid 
- 05- Not Injury 
- 06-Near Miss

Property Damage Cost: 
- 1-2,000 USD 
- 2,001-10,000 USD 
- 10,001-50,000 USD 
- > 50,001 USD

Section C: Environmental Impact

<table>
<thead>
<tr>
<th>Affected area</th>
<th>Construction area</th>
<th>Public area</th>
<th>Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptor</td>
<td>None</td>
<td>Workers</td>
<td>Biological</td>
</tr>
<tr>
<td>Type of pollution</td>
<td>Physical</td>
<td>Chemical</td>
<td>Biological</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Non-toxic</td>
<td>Low - toxic</td>
<td>High - toxic</td>
</tr>
<tr>
<td>Return to Normal</td>
<td>1 day</td>
<td>1 day to 1 week</td>
<td>≥ 1 week</td>
</tr>
<tr>
<td>Cumulative impact</td>
<td>Non-cumulative</td>
<td>Cumulative</td>
<td></td>
</tr>
</tbody>
</table>

Section D: Injured/Illness Employee

1. Name: 
   Sex: Male, Female
   Date of Birth: Month, Day, Year
   Age: 
   Regular Job Title: 
   Experience: In this job title, Years, Weeks
   In this Project, Years, Weeks
   Site: 
   Company: 
   Reference: 
   Phone No: 
   Social Security Number
   Part of Body Injured or Affected: Head, Hands, Face, Nose, Eyes, Legs, Teeth, Neck, Trunk, Toes, Elbow, Shoulder, Back, Ankle, Wrist, Foot, Arms, Thump, Fingers, Internal
   Nature of Injury or Illness: Laceration, Amputation, Puncture, Fracture, Strain & Sprain, Burns, Contusion, Dry Heat Friction, Hernia, Foreign Body, Chemical, Contamination, Skin (Occupational), Rash, Irritation
   Remark: ............................

2. Name: 
   Sex: Male, Female
   Date of Birth: Month, Day, Year
   Age: 
   Regular Job Title: 
   Experience: In this job title, Years, Weeks
   In this Project, Years, Weeks
   Site: 
   Company: 
   Reference: 
   Phone No: 
   Social Security Number
   Part of Body Injured or Affected: Head, Hands, Face, Nose, Eyes, Legs, Teeth, Neck, Trunk, Toes, Elbow, Shoulder, Back, Ankle, Wrist, Foot, Arms, Thump, Fingers, Internal
   Nature of Injury or Illness: Laceration, Amputation, Puncture, Fracture, Strain & Sprain, Burns, Contusion, Dry Heat Friction, Hernia, Foreign Body, Chemical, Contamination, Skin (Occupational), Rash, Irritation
   Remark: ............................

Section E: Accidents/incident Details

Date Accident/Incident Occurred: 
Time Accident/Incident Occurred: 
Exact Location of the Accident / Incident: 

Remark: .............................
## NAM NGIEP 1 HYDROPOWER PROJECT INCIDENT & ACCIDENT REPORT

### Details of the actual Job Being done at the time:

### Details of Accident / Incident / What actually happened?

### Section F: Accident Cause (Basic cause mark X / Contributing cause, if any mark O)

<table>
<thead>
<tr>
<th>UNSAFE CONDITIONS</th>
<th>UNSAFE ACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Inadequately Guarded</td>
<td>1  Operating Without Authority / Training</td>
</tr>
<tr>
<td>2  Unguarded</td>
<td>2  Operating at Unsafe Speed</td>
</tr>
<tr>
<td>3  Defective Tools, Equipment, or Substance</td>
<td>3  Marking SHE Device Inoperative</td>
</tr>
<tr>
<td>4  Unsafe Design or Construction</td>
<td>4  Using Unsafe Equipment or Equipment Unsaftely</td>
</tr>
<tr>
<td>5  Hazardous Arrangement</td>
<td>5  Unsafe Loading, Placing, Mixing</td>
</tr>
<tr>
<td>6  Unsafe Illumination</td>
<td>6  Taking Unsafe Position</td>
</tr>
<tr>
<td>7  Unsafe Ventilation</td>
<td>7  Working on Moving or Dangerous Equipment</td>
</tr>
<tr>
<td>8  Unsafe Clothing</td>
<td>8  Distraction, Teasing, Horse Play</td>
</tr>
<tr>
<td>9  Insufficient Instruction</td>
<td>9  Failure to use Personal Protective Devices</td>
</tr>
<tr>
<td>10 Lack of system of work</td>
<td>10 Lack of effective instruction or supervision</td>
</tr>
</tbody>
</table>

Why was the unsafe act committed? | Why did the unsafe condition exist?

### Section G: Guide to Corrective Action (Base on the cause checked above, I am taking the following corrective action)

<table>
<thead>
<tr>
<th>UNSAFE ACT</th>
<th>UNSAFE CONDITION</th>
<th>If Supervisor can’t handle, then recommend to</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Stop the Behaviour</td>
<td>☐ Remove</td>
<td>☐ Site Engineer, or</td>
</tr>
<tr>
<td>☐ Study the job</td>
<td>☐ Guard</td>
<td>☐ Site Manager, or</td>
</tr>
<tr>
<td>☐ Instruct (tell-show-try-check)</td>
<td>☐ Warn</td>
<td>☐ Project Manager, or</td>
</tr>
<tr>
<td>☐ Follow Up</td>
<td>☐ Supervisory Training</td>
<td>☐ Safety Committee</td>
</tr>
<tr>
<td>☐ Enforce</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Detail below any immediate remedial actions that have been taken:

Detail below any corrective and preventative actions that could be taken to prevent future re-occurrence:
## Section H: Witness Statement

<table>
<thead>
<tr>
<th>Witness Name</th>
<th>Interviewer Name</th>
</tr>
</thead>
</table>

## Section I: Reviewed & Recommend by

Recommendation:

Reviewed By:  
Position:  
Signature:  
Date:

Remarks: If Accident or Incident happened with lost time injury and affected to the publicity must further report to Safety Department;  
First Aid Cases will not applicable to this form;  
The accident report shall submit to Safety Department within 3 days  
Attached the photograph or sketch the location of accident/incident;
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ERM's Bangkok Office

179 Bangkok City Tower
24th Floor, South Sathom Road
Tungmahamek, Sathorn
Bangkok 10120, Thailand
Tel: +66 2 679 5200
Fax: +66 2 679 5209

www.erm.com