Emergency Management

Luay Salih  FIIRSM CMIOSH

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Remember this?
Main benefits of good emergency management

- Less harm and higher chances of survival;
- Faster recovery;
- Improved standing among suppliers and partners;
- Better reputation for corporate responsibility among investors, customers, and communities;
- Increased productivity;
- Legal compliance;
- Lower risk of lawsuits.
Emergency Management

Sources of Emergency
Emergency Management

Sources of Emergency

- Location
  - Adjacent activities
  - Remoteness
  - Local threats
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Sources of Emergency

Activities/Methods

- Normal operations
- Outsourced work
- Maintenance Activities
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Sources of Emergency

- Usage
- Storage
- Transportation
- Disposal
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Sources of Emergency

- Installation
- Use
- Storage
- Transportation
- Maintenance
- Removal

Equipment

www.iirsm.org
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Sources of Emergency

- Numbers
- Maturity
- Competency
- Communication
- Human Factors
- Accessibility
- Other Restrictions
- Behavioural Risks

Workforce

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Sources of Emergency

- Nature
- Climate
- Habitat
- Natural Disasters
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To Consider

- MSDS/COSH/HIRA
- Legal & Other Requirements
- H&S Policy & Procedures
- Previous Incidents
- Risk Register

- Closeness to facilities
- Local Culture
- Restrictions
- Proximity and accessibility of emergency services
- Audit findings
## Emergency Management

### Emergency Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>How</th>
<th>What</th>
<th>Who</th>
<th>When</th>
<th>Where</th>
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</thead>
<tbody>
<tr>
<td>Fire / Explosion</td>
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<tr>
<td>Collapse</td>
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<td>Serious H&amp;S Incident</td>
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<td>Environmental Incident</td>
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<td>Security Incident</td>
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<td>Natural Disaster</td>
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<td>Release of hazardous substances</td>
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<td>Other</td>
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</table>
Emergency Management

- Main Plan Components

- Arrangements
- Organisation
- Responsibilities
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➤ Arrangements

Facilities
- First Aid Room
- Assembly Area
- Refuge
- Access etc.

Equipment
- First Aid Kits
- Fire Extinguishers
- Lights
- Vehicles etc.

Manpower
- Own staff
- Outsourced

Communications
- Internal
- External
- Vertical & Horizontal

Training & Competency
- 3rd Party
- In House
- Refresher
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» Organisation

- Plan Executive
  - UHH Chancellor
- Plan Director/Incident Commander
  - UHH Vice-Chancellor for Administrative Affairs

Public Information Officer/Webmaster
Environmental Health & Safety Office
Outside Agency Liaison
Director of Security

Operations
- Safety & Security
- Facilities & Grounds
- Mobilization
- Demobilization
- Animal Care

Logistics
- Facilities & Grounds
- Auxiliary Services
- Transportation/Parking
- Communications

Planning
- Plan Implementation
- Intelligence
- Documentation
- Demobilization

Finance/Human Resources
- Contract Negotiation & Monitoring
- Timekeeping
- Cost Analysis
- Human Resources

Personal Support
- Student Housing
- Food Services
- Medical Services
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- General Responsibilities

  - Every duty holder
  - All emergency-related responsibilities
    - Responsibilities during normal times (procurement, training, audits etc.)
    - Responsibilities during emergency situations (may be included in individual scenarios)
  - Realistic, practical & achievable
  - To be communicated effectively
  - Accountability is very vital.
Emergency Management

➢ Check Arrangements

• Drills
• Fire alarm tests
• Detector checks
• Audits & Inspections
• Lessons Learned etc.
Any questions?

Thank you