Welcome to MJV programme on inspection under Seveso III directive

Workshop on Explosives and Pyrotechnics

Torill Tandberg, DSB  9th November 2016
The Norwegian Directorate for Civil protection

- Established in 2003
- A merger between two former directorates
- One of the directorates moved from Oslo to Tønsberg in 2004 – new Head Office
- DSB works under the jurisdiction of the Norwegian Ministry of Justice and Public Security
Vision

A safe and robust society
where everyone takes responsibility
Areas of responsibility

- National Civil protection
- Local and regional civil protection
- National fire protection authority
- Civil Defence
- Electrical safety authority
- Handling of Hazardous substances
  - Industrial safety
  - Explosives safety and security
  - Transport of dangerous goods
  - Seveso III directive - National coordination body
  - National Authority to the CWC
- Individual Safety
  - Safety in the everyday life
  - Product- and consumers safety
DSB consists of

- Approximately 600 employees, 230 of which are stationed at Head Office in Tønsberg
  - 20 Civil Defence districts including 1 training centre
  - The Norwegian Fire Protection Training Institute
  - The National Emergency Planning College
  - 5 regional electrical safety inspectorates
Legislation

- The Act relating to the Prevention of Fire, Explosion and Accidents involving Hazardous Substances and the Fire Services’ Duties connected with Rescue Operations
- The Act relating to Inspection and Control of Electrical Plants and Equipment
- The Act on the Control of Products and Consumer Services
- The Act relating to Civil protection and civil defence
Some policy instruments

- Laws and regulations
- Inspections and approvals/licencing
- Guidelines
- Sharing information and knowledge
- Coordination
- Analysis and research
- Education and training
- Exercises
NORWEGIAN DIRECTORATE FOR CIVIL PROTECTION ORGANIZATION (per 2018)

Director General

- Senior Staff
- Administration
- Communications
- Human Resources (HR)

<table>
<thead>
<tr>
<th>Analysis and National Preparedness</th>
<th>Civil Defence</th>
<th>Fire and Rescue</th>
<th>Electrical Safety</th>
<th>Industry, Products and Hazardous Substances</th>
<th>Administration</th>
<th>Communications</th>
<th>Human Resources (HR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Relations</td>
<td>Operation, Planning and Coordination</td>
<td>Competence, Training and Reporting</td>
<td>Electrical Products</td>
<td>Industrial Safety</td>
<td>Archives and Library</td>
<td>ICT</td>
<td>Property, Procurement and General Services</td>
</tr>
<tr>
<td>Analysis</td>
<td>Logistics and Protection</td>
<td>Preparedness, Rescue and Alarms</td>
<td>Electrical Installations</td>
<td>Transport of Dangerous Goods</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Documentation</td>
<td>Conscription and Training</td>
<td>Fire Prevention</td>
<td>Regional Office East-Norway</td>
<td>Explosives Safety and Security</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Preparedness and Crisis Management</td>
<td>Civil Defence Districts</td>
<td>Emergency Communication Network Project - Fire</td>
<td>Regional Office South-Norway</td>
<td>Consumer Safety</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regional and Local Risk Management</td>
<td>Norwegian Fire Academy</td>
<td></td>
<td>Regional Office West-Norway</td>
<td>Norwegian Industrial Safety and Security Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Emergency Planning College</td>
<td>Local Fire and Rescue Services</td>
<td></td>
<td>Regional Office Central-Norway</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Regional Office North-Norway</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Local Electrical Inspectors</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Our efforts and initiatives must lead to

- The legal handling of explosives must be performed without accidents, and in a way that the surrounding area is protected. (Safety)

- Explosives must not «follow the wrong paths» or coming into the «wrong hands». This to avoid them for being misused by criminals or terrorists. (Security)
Seveso sites in Norway

- For the time being 327 Seveso sites
  - Upper tier 89
  - Lower tier 238
- Number of explosives sites
  - Upper tier 14
  - Lower tier 119
- Number of pyrotechnics sites.
  - Upper tier 4
  - Lower tier 4
- 165 municipalities have at least one Seveso site
- DSB – responsible for national coordination
Control of hazardous installations
Policy and Legislation

- Norway has a long history of industrial safety, and has established necessary legislative instruments, control arrangements and co-operation mechanisms.
- Scale of hazardous industry in Norway relatively modest.
- Policy on risk is based on the ALARP principle, i.e. that risk shall be reduced as low as reasonably practicable.
- Prevention of accidents is the main focus, and authorities put considerable emphasis on inherent safety of installations.
Explosives safety and security

- Regulated from «cradle to grave»
  - Permits, certificate for blasting,
- No production site of explosives (dynamite) or detonators for civil use
- Mobile Explosives Manufacturing Units (MEMU)
- Six licensed manufacturers of bulk emulsion
- Appr 60-70.000 t/year
  - 300-400 blasts each day
  - Civil construction
Challenges

- Competence
- Raise awareness
- Land use planning
- «Housekeeping»
- Reduce the amount of accidents, learn from them and avoid thefts
- Inspections
- Revision of the national legislation on explosives and explosive substances
  - Storage of ammonium nitrate
  - Mobile production
  - EU 2014/28