

CoP 7 Stockholm 2012

Preparedness and response

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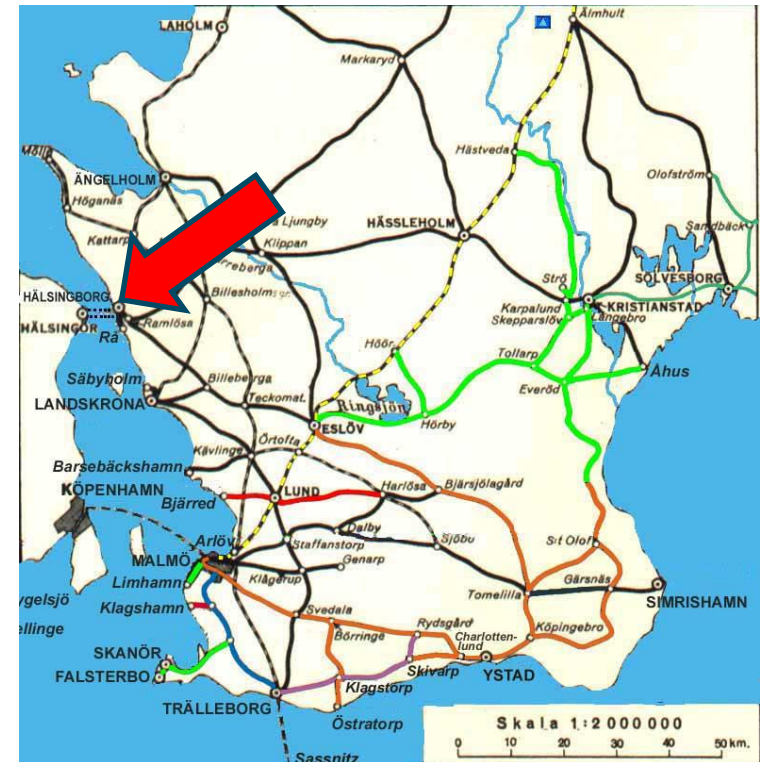
Development of Rescue Service and
Emergency Management Section

Swedish Civil Contingencies Agency (MSB)



Myndigheten för
samhällsskydd
och beredskap

Swedish site under the convention



Helsingborg 2005



Picture: FOI report

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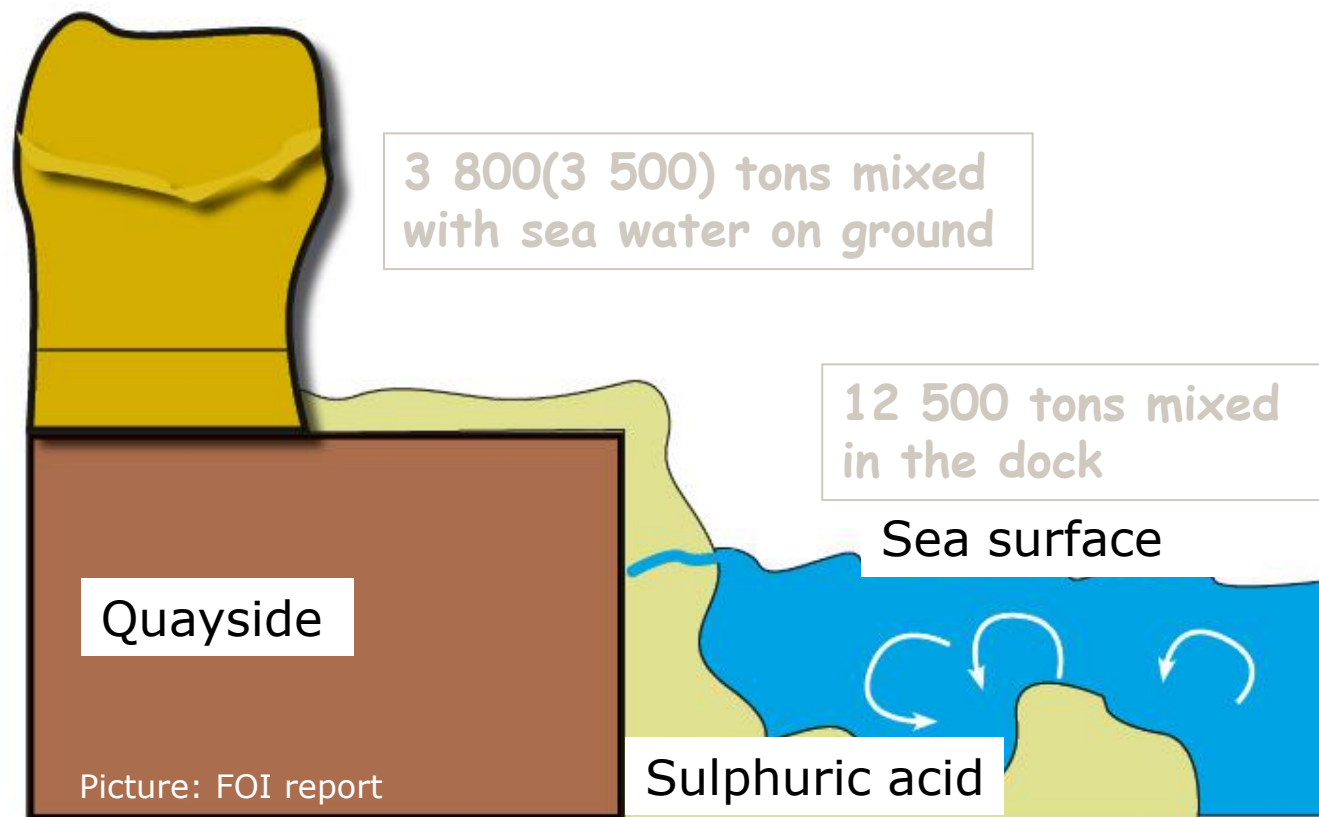


Picture: FOI report

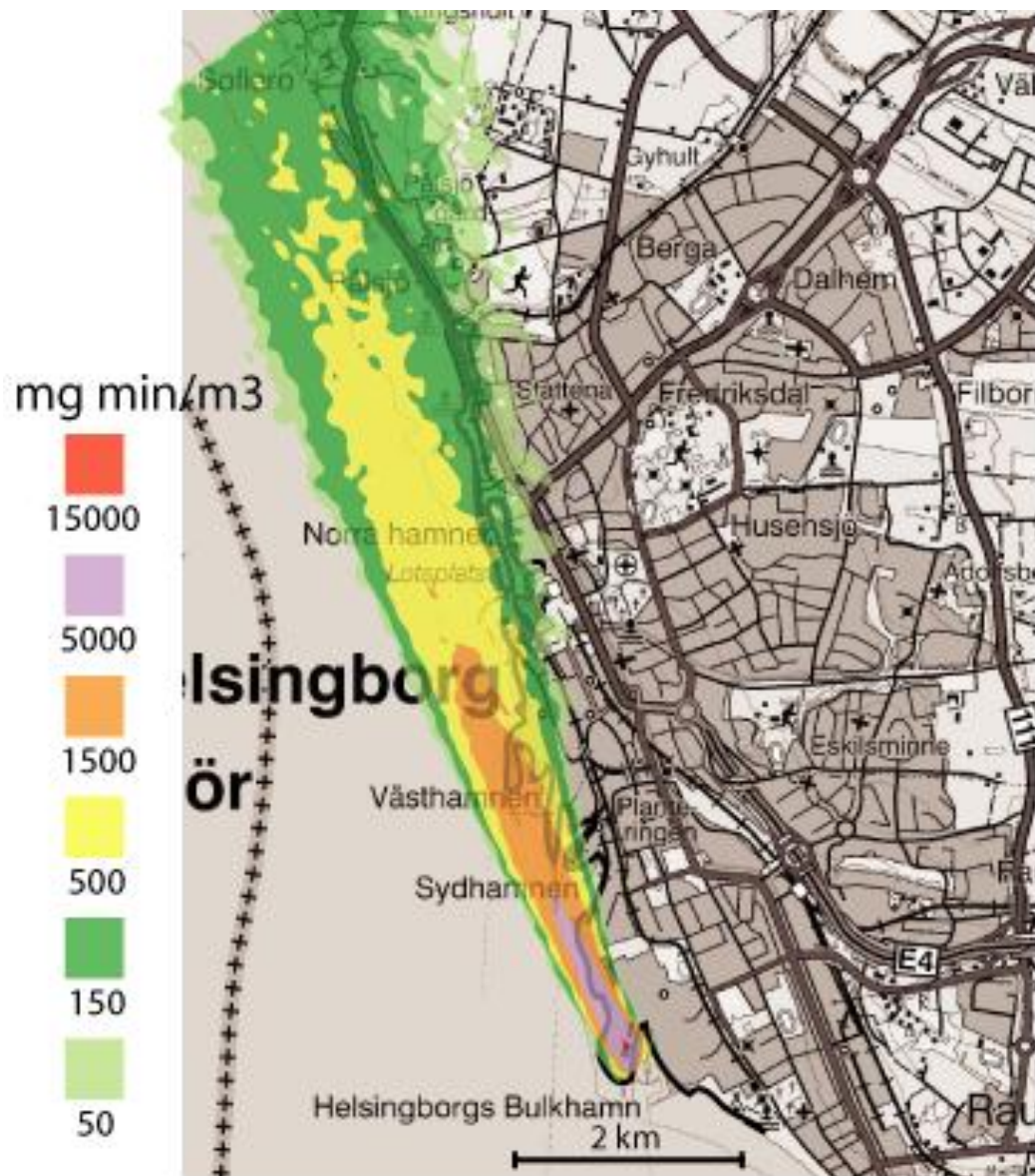


Picture: FOI report

Sulphuric acid and sea water



Dispersion modelling



Picture: FOI report

Operation during the first 3 hours

- The accident occurred at 04:40
- First unit on site at 04:47
- Tactical hazmat officer from regional hazmat cooperation on site at 06:10
- One national hazmat response teams was alarmed during the first hour and later on also a national decontamination team.

Sweden

- 450 000 km²
- 9,5 million inhabitants
- Stockholm
- Constitutional monarchy
- Parliamentary democracy
- Prime Minister
- 21 Counties
- 290 Municipalities



Kiruna municipality



= 1/Km²

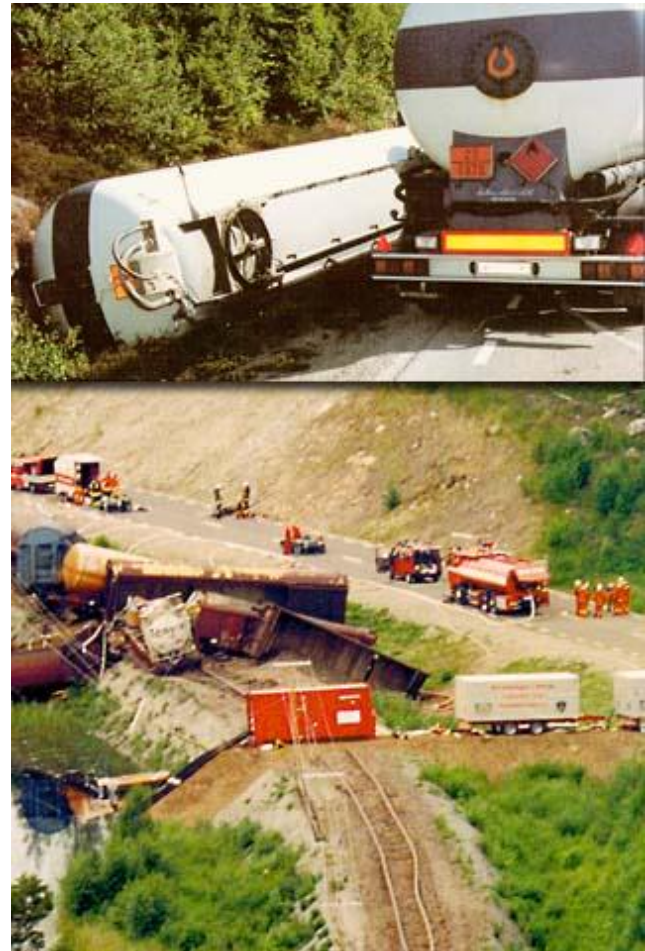


= 2,5/Km²



Municipality responsibilities

- Regardless of their size and population the municipalities are responsible for civil protection and fire and rescue services



Municipal Fire Brigades – facts and figures - 2010



- 5 000 professionals
- 11 000 part time
- 11 300 fire in buildings
- 2400 involving hazardous materials

Responsibilities on all levels



National reinforcement resources maintained by MSB

Resources for...

- Accidents with hazmat
- Oil spills
- Flooding
- Forest fires
- SNAM



Hazmat response teams and depots



- Six regional teams and depots located to allow a response time less than three hours
- Based at appointed fire brigades
- Costs and responsibilities regulated through an agreement between MSB and the appointed fire brigades

Hazmat response team



Picture: FOI report



Decontamination teams



- Four regional depots
- Based at appointed fire brigades
- Regulated through an agreement between MSB and the fire brigades.

Decontamination teams





Detection teams



- Three teams located in the three major cities
- Based at appointed fire brigades
- Regulated through an agreement between MSB and the fire brigades.

Detection teams





Alerting and financing



International support

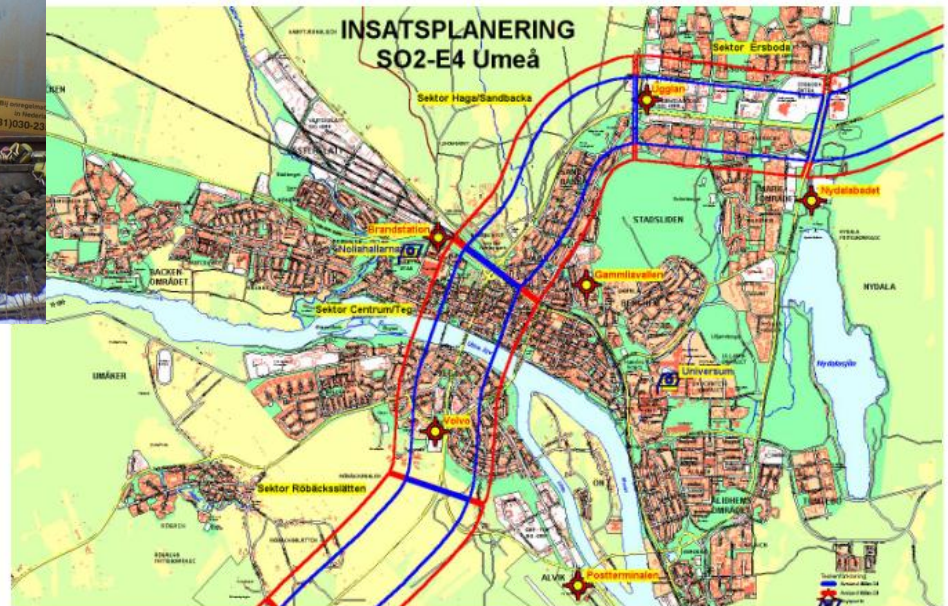


Preparedness



Picture: Kjell Collstedt

Hazmat coordinator assignments



Training and exercises on regional level



Themes



INSATSKORT- Vågolycka svaveldioxid - UMEÅ kommun – Tekniska åtgärder

268

1079

BEGRÄNSNINGSMETOD

Vätskeläckage

Impaktion (återkondensering):
I första hand med **strut**, i andra hand med
presenning. **Samla upp** i behållare.

Tätning: Mjuka tråkarlar.

Gasläckage (endast vid små läckor)
Vattendimma mot utsläppspunkt.

Värmeöverkärnad cistern

Kyning: 1200 minuttiter/kylpunkt.
I första hand på värmeöverkärnade delar på
toppen av cisternen.

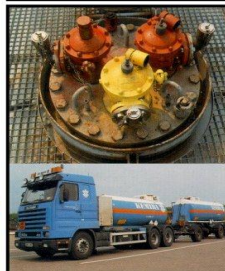
PERSONLIG SKYDDSTRUSTNING

Inom inre avspärning — **HET zon** :
Kemskyddsdräkt med köldskydd.

Inom inre avspärning — **VARM zon** :
Branddräkt och **filtermask** kan användas vid
servicejobb och sanering av skadade med
vinden i ryggen.

Inom yttre avspärning — **KALL zon** :
Branddräkt, **filtermask** i beredskap.

Se även Farligt Gods-pärm
kort nr 27.



TANKSTORLEKAR (maximala mängder)

Bitank: 13,5 ton - 10 m³
Stäpvagn: 24,5 ton - 18 m³
Semitrailer: 33 ton - 24 m³

AKUTSJUKVÅRD

Första hjälpen till
svårt skadade

- ☐ Frisk luft
- ☐ 100% oxygen
- ☐ Avklädning
- ☐ Sanering i varmt vatten

OBS!

Enbart personer som exponerats
för **vätska** eller **mycket höga**
gaskoncentrationer har behov av
sanering.
Övriga avklädning eller vädring.

MILJÖÅTGÄRDER

Umeå tätort: Tätta brunnar. Samla
upp i behållare.

Vattendrag: Förbered kalktillsats
250 kg släckt kalk per ton utsläppt
svaveldioxid nedströms utsläppet.
Övriga miljöfrågor handläggs av
CB 189.

Risks from radioactive sources 2010/2011

- Support with inventory of radioactive sources in the municipalities
- 2-4 hours lecture on risks with radiation for officers
- Support with methods for emergency planning



Upcoming themes

- 2012/2013:
Environmental effects
of accidents
- 2014/2015:
Emergency planning –
dangerous substances



Thank you for listening!

