

Learning from the Fukushima accident and July 22nd 2011 in Oslo

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Contents

- Organization and planning
- Prepared for what?
- Response to the Fukushima accident
- July 22nd 2011, Oslo
- Lessons learned

Emergency preparedness organization



Planning



Threat assessment
Roles and responsibility

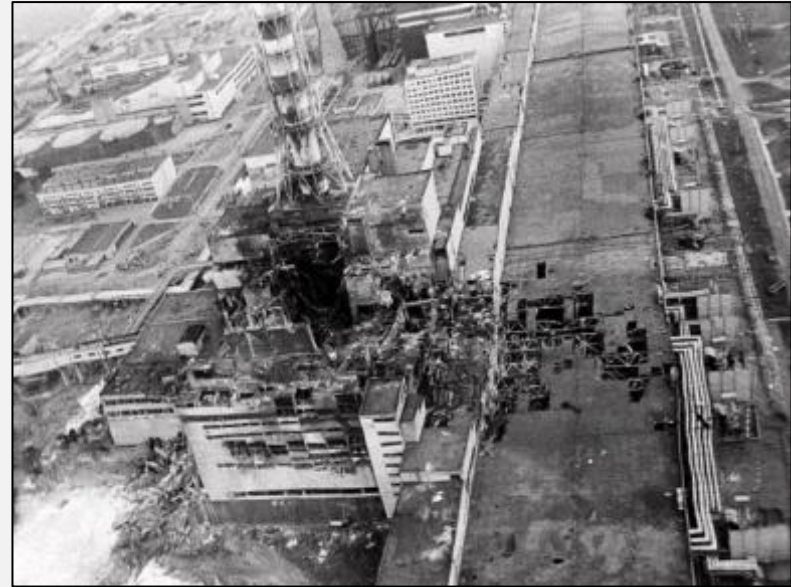
Consequence analyses
Sellafeld
Leningrad NPP

What should we prepare for?



Scenario I

Large airborne release from foreign facility



Scenario II

Large airborne release from domestic facility



Scenario III

Local event with mobile source



Scenario IV

Local event that develops over time



Scenario V

Release to marine environment



Scenario VI

Serious accident abroad that can affect Norwegian interests but not our territory



Terrorism and nuclear warfare

Terrorism:

- Possible for all six scenarios

Nuclear weapons:

- Unlikely used against Norway
- Norway and it's interests can however be affected

International meeting in Oslo 4 - 5. March 2013: "Humanitarian Impact of Nuclear Weapons"



Response to the Fukushima accident

11. March 2011, 09:45

Informed during a table top exercise at NRPA

11. March 2012, 11:40

Formal contact point with Ministry of foreign affairs

12. March 2012, 12:00

Information meeting for the Crisis committee

Actions

Equipment and Iodine tablets
sent to the Embassy in Japan

NRPA experts to Japan

Travel advice

Returning individuals

Media

- Huge interest the first week
- 13:50 - Anne Marit Skjold

The collage consists of three main parts:

- Left:** A newspaper article from Aftenposten with the headline "JORDSKJELV-KATASTROFEN" and a sub-headline "Nå bruker han ordet katastrofe". It features a portrait of Ole Harbitz, the director of Statens strålevern.
- Middle:** A still from a video recording of a press conference. Two men, Ole Harbitz and another official, are seated at a table with microphones. The headline below reads "Statens strålevern: – Situasjonen fremdeles uavklart".
- Right:** A screenshot of a news website (ABC Nyheter) with the headline "Radioaktivitet i Norge" and a sub-headline "Radioaktivitet fra kjernekraftverket Fukushima Daiichi har nådd Norge". It includes a map of Europe showing radiation levels and a "SE VIDEO" button.

July 22nd 2011, Oslo



July 22nd 2011, Oslo

15:25 A bomb killed 8 and destroyed 6 governmental buildings, Oslo

17:21- 18:34 Shooting at a Political youth camp killed 69 and injured 66

Behring Breivik's manifesto



50+ pages describes:

- Tactical nuclear weapons
- Attacks on nuclear facilities
- Use of Radiological Dispersion Device
- CBRN-contaminated ammunition

Lessons learned

NOU Norges offentlige utredninger 2012: 14

Rapport fra
22. juli-kommisjonen



Commission report:



- The ability to acknowledge risk and learn from exercises has not been sufficient
- The ability to implement decisions that have been made, and to use the plans that have been developed, has been ineffectual

Commission report:



- The ability to coordinate and work together has been deficient
- The potential inherent in information and communications technology has not been exploited well enough

Commission report:



- Leadership's willingness and ability to clarify responsibility, set goals and adopt measures to achieve results have been insufficient

In an emergency we need:

In an emergency we need:
To act, quickly

In an emergency we need:
Authority to act

In an emergency we need:
To act according to plan

In an emergency we need:
To have exercised

In an emergency we need:
Information – information – information

In an emergency we need:
Coordinated communication

In an emergency we need:
Technological infrastructure

In an emergency we need:
To know our weaknesses

In an emergency we need:
Help

In an emergency we need:
To act, quickly

**“It is even better to act quickly and err than to hesitate until the time of action is past.”
Carl von Clausewitz**

White paper (public security)



Meld. St. 29

(2011–2012)

Melding til Stortinget

Samfunnssikkerhet



Focus on:

- Emergency preparedness
- Cooperation and interaction

