

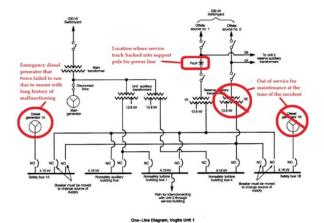
Ongoing work to enhance post-accident radiation protection at Swedish Nuclear Power Plants - RPFA Working group

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General – New landscape

Prepared to cope with emergencies at all reactor units simultaneously Planning conditions based on two different scenarios:

- 1. Station Black Out (SBO)
 - no warning
 - no external support within 72 h
- 2. Slowly developing situation
 - warning given some day before
 - severe weather conditions
 - The site isolated 24 h when the situation actually occurs

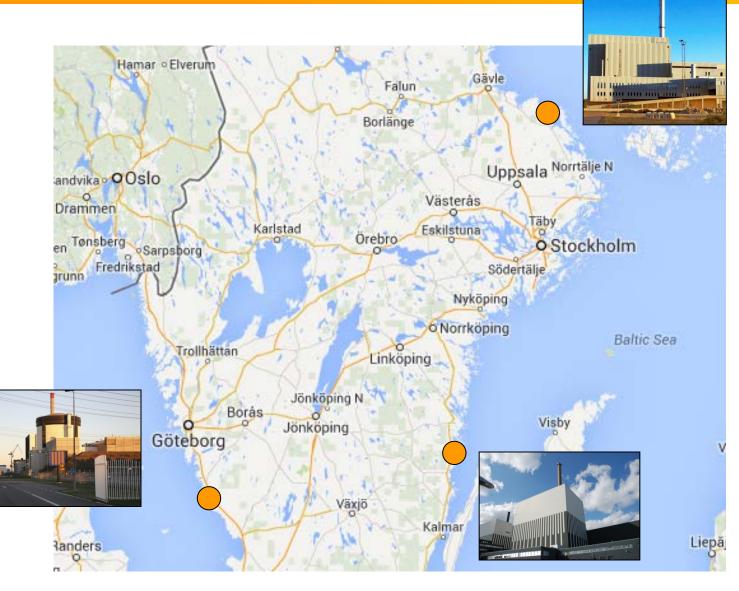




The EP organization must be operational for several weeks!



NPP in Sweden





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Post-Fukushima Radiation Protection Working Group

- Working group
 - Swedish NPPs & CLAB (spent fuel interim storage / SKB, Swedish Nuclear Fuel and Waste Management Co)
 - Coordinated by Vattenfall AB
 - Report to be issued summer 2014

Purpose

 Identify areas for improvement and develop strategies and procedures for RP during severe accidents following a SBO

• Goal

- A common approach will facilitate the assistance from the others and the communication and interaction with relevant authorities
- Harmonize strategies & procedures within post-accident RP between the nuclear facilities







Harmonize strategies & procedures



EP center

- Operational intervention Levels
- Assessment radiological cons. In environment
- "Evacuation" of site







Intervention affected unit(s)

- Assess Radiological situation →
 Accessibility
- Ref. levels emergency workers
- PJB, RP procedure and PJdB

Logistic center

- Decontamination
- Personal dosimetry (internal-external)
- Interaction with other preparedness bodies

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Additional collaboration

Agreement on assistance – RP – personnel (within 24 h after request)

 Agreement on assistance – Personal Protective Equipment (within 3 days after request) – well defined content in container

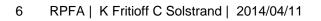
Common understanding about

- Contracts with external suppliers RP technicians & equipment
- Mobile equipment for radiation monitoring

Training & Exercises

- More practical and theoretical exercises
- Monitoring exercises

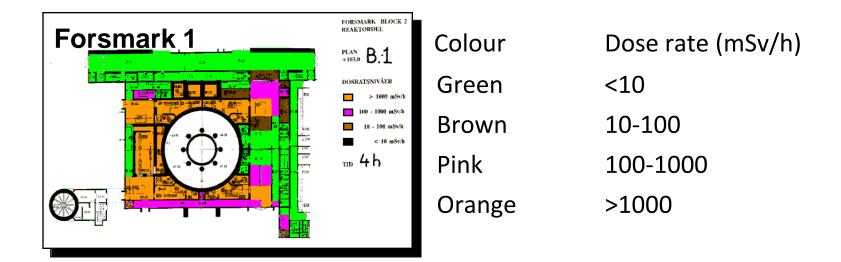






Ongoing activities – site specific

- Availability of areas within the NPP
- Updating of post-accident dosrate layouts
- Location and amount of radiation monitors in the reactor buildings







Thank you for your attention!

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