Feedback on Regulatory Arrangements and Current Developments in Sweden
Anders Hallman
Dept. of Nuclear Power Plant Safety
About the Swedish Radiation Safety Authority

- under the Ministry of the Environment
- DG Ann-Louise Eksborg
- budget approx. 400 million SEK
- 260 employees
- office in Solna
Department for Nuclear Power Plant Safety

For safety at the nuclear power plants

- supervision at reactor plants;
- following-up of incidents at Swedish reactor plants;
- safety cases;
- reviews applications for increases in power.
Department for Radioactive Materials

For the safe handling of radioactive materials in society

- regulations and supervision of radioactive waste
- security at the nuclear power plants
- rules and supervision concerning emissions of radioactive materials
- supervision of transportation of radioactive materials
- ensures ultimate storage of spent nuclear fuel and calculates costs

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Department for Radiation Protection

For radiation protection, emergency preparedness and environmental monitoring

- maintains the Authority's preparedness
- UV, solariums, radon, radiation from wireless technology and magnetic fields
- patient and personnel radiation protection in healthcare
- supervision of all activities involving radiation outside of nuclear power
- calibrates instruments within nursing and industry
- educational activities

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International Affairs Department

Co-ordinates the Authority's international activities

- radiation safety in Eastern Europe and Russia
- nuclear non-proliferation issues

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Hierarchy of laws and regulation

- Act on Nuclear activities
- Government ordinances
- SSM’s regulation in SSMFS
- SSM’s general recommendations in SSMFS

Legally binding for both the Licensees and SSM

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Regulatory Processes at SSM

- Plant Surveillance
- Inspections
- Notification of Plant Modification
- Safety Review
- Safety Evaluation
- Integrated Safety Assessment
- Planning and budgeting/Prioritisation
- Regulatory Actions: Decisions Enforcements
- Event analysis and operational feed-back
- Indicators
- Risk contribution - PSA
- Experience and skills of SSM-staff for example International co-operation

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Political change in the view on nuclear power

- A conservative-led coalition of four parties came to power in the September 2006 elections
  - The coalition was more positive about nuclear power than its predecessor
  - On 11 December 2008 the Government decided to appoint an inquiry to chair a review of the legislation in the area of nuclear technology and radiation protection

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The Inquiry and new legislation

The Inquiry’s remit was extended through supplementary terms of reference adopted on 8 April 2009. Under them the Inquiry was

- to draft proposals for new legislation for the public examination of new nuclear power reactors that will make controlled generational shifts possible
- The Inquiry was also charged with drafting proposals to make it possible to abolish the Nuclear Power Phase-Out Act (1997:1320) and remove the ban in the Nuclear Activities Act (1984:3) on the construction of new nuclear power reactors.

Based on the results of the Inquiry the Parliament narrowly (174-172) approved on 17 June 2010 the new legislation

- which will enter into force 1 January 2011

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