

Russian legislation system and Norwegian experience from cooperation on radioactive waste management in Russia

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Responsibilities in Russian Federation in radioactive waste management

- **Minatom**
- **Gosatomnadzor**
- **Ministry of Natural Resources
(Goscomecology)**
- **Gossannadzor**

Relevant Russian Federal Laws

- On The Environmental Protection;
- On Sanitary-Epidemiological Well-Being of Population;
- On Radiation Protection of Population;
- On The Use of Nuclear Energy;
- On Especially Protected Natural Territories;
- On Ecological Review (Expertise);

Conclusions

- **Avoid delay in the implementation of industry projects because of an unclear process**
- **Avoid misunderstanding over the criteria and norms being applied to the industry projects**
- **Provide good communication between and within different groups (regulators, operators and stakeholders) during whole process**

Conclusions

- **International co-operation**
- **A pilot project for cooperation**
- **Involving civilian and military issues**
- **Co-operation between different countries**
- **Co-operation between authorities**

Introduction

- **Norwegian Plan of Action within four areas:**
 - Safety measures at Nuclear facilities
 - Management of radioactive waste and spent fuel
 - Radioactive pollution of northern area
 - Arms related environmental hazards
- **NRPA involvement**
 - Adviser for Ministry of Foreign Affairs
 - Project management
 - Authority co-operation (*Safety, Environmental and Health authorities*)

Problem of the “Lepse” project

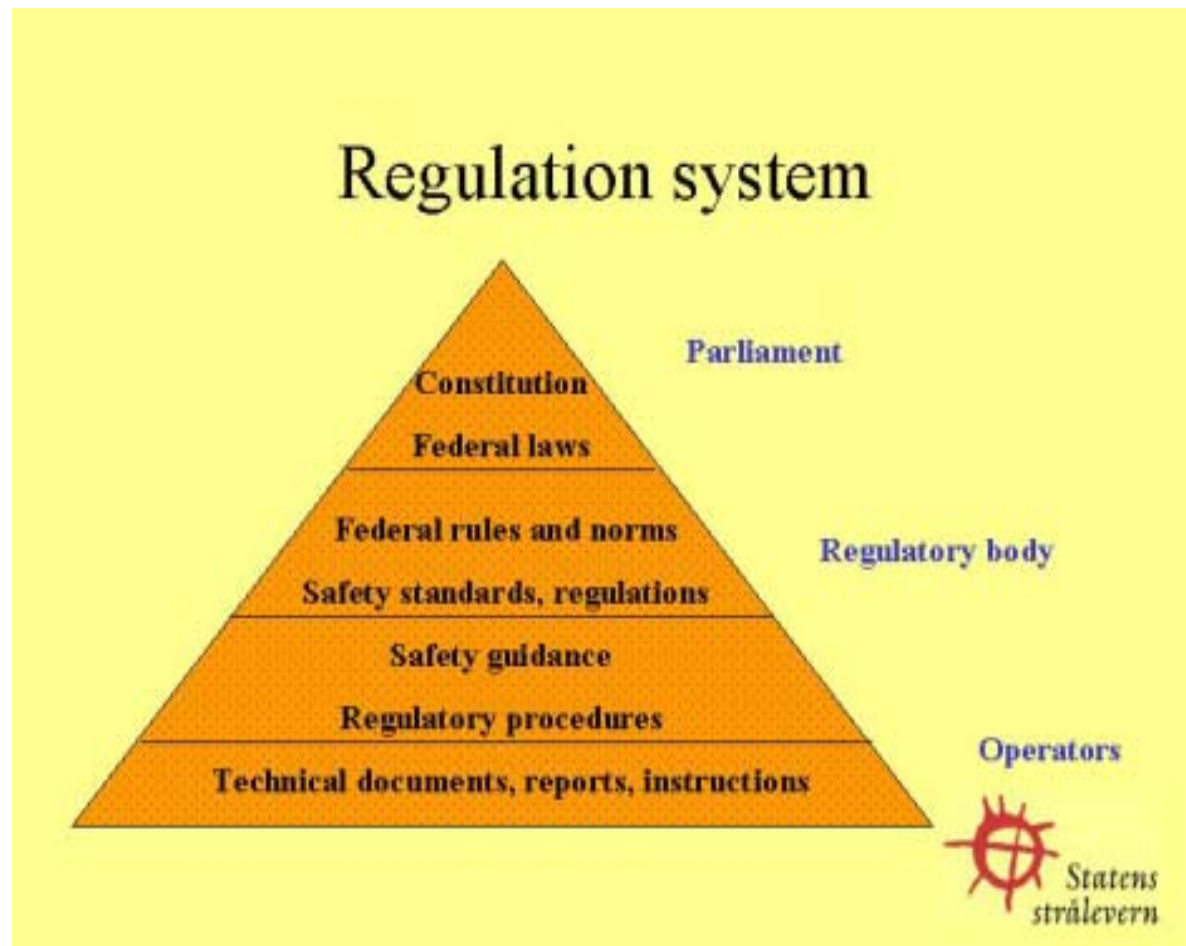


- **Storage barge for 639 damage fuel assemblies in very poor condition**
- **International willingness for supporting the solution of the problem**
- **Licensing requirements and procedures did not exist before**

Basic Documents

Russian legislation and regulations:

- Standards
- Guidance
- Procedures



Regulatory requirements and guidance

- Protection of human health
- Protection of the environment
- Protection beyond national borders
- Protection of future generations
- Burdens of future generations
- National legal framework
- Control of radioactive waste generation
- Radioactive waste generation and management interdependencies
- Safety of facilities

Three regulatory documents approved

- **Requirements for the set and content of documents** substantiating nuclear and radiation safety assurance to be submitted by the operators and other involved organisations with the purpose to get a licence.
- **Requirements for a Safety Analysis Report** for management of SNF within the framework of the industrial “Lepse” Project.
- **Requirements for a Quality Assurance Program** for activities carried out in implementation of the industrial “Lepse” Project.

Nuclear Safety, Environmental and Human Health Protection Requirements

- **Interaction between nuclear safety, environmental and human health protection issues**
- **Importance and difficulties of co-ordination of overlap between nuclear safety, environmental and human health protection**
- **Interaction between engineering, environmental, radio-hygiene and non-radiological impact, and corresponding regulatory frameworks**

Conclusions

- **All authorities and operators and stakeholders should be encouraged to take a holistic view of these difficult problems, and not to manage them on the basis of one issue**
- **Western support supposed to promote the open dialog between different authorities and stakeholders in Russian Federation**

Gosatomnadzor

- **regulation** of nuclear safety and radiation protection
- **licensing** of all activities in the use of nuclear energy, nuclear materials and radioactive substances
- **legislative and regulatory work**
- **methods for evaluating the risk** related to nuclear material or radioactive sources
- **methods for improving** radiation protection and control of objects representing a radioactive risk