

# New legislation for NORM in Norway

Mette Nilsen, Norwegian Radiation Protection Authority (NRPA)

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[www.nrpa.no](http://www.nrpa.no)



Statens strålevern  
Norwegian Radiation Protection Authority

# The long and winding road to the new legislation

- Norwegian legislation for Radiation Protection has been revised and new legislation is put into force 1st of January 2011
- Public consultation in 2009
  - Industry, ministries, competent authorities, NGOs and the public
  - Feedback has been implemented in the final regulation
- Detailed impact assessment for implementing this regulation for the oil and gas industry
  - Group lead by the Ministry of Environment, with the competent authorities and Oil and Gas and Waste Management industries



# Radiation protection legislation

- *Act on Radiation Protection and the use of radiation*
- *Regulation relating to Radiation Protection and the use of radiation*
  
- Regulation has been revised, but only small changes
  - For instance for radon, laser pointers
  
- Regulate the use of radioactive material and workers protection
  - I will not focus on this regulation here



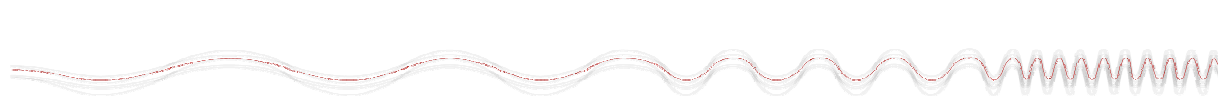
# Radioactive Waste and Pollution legislation

- The main change is to implement radioactive waste and pollution in the Pollution Control Act
  - Some small exceptions, e.g. emergency preparedness
- Better regulatory framework for regulating waste and pollution
- *Pollution Control Act*
- *Regulation relating to the application of the Pollution Control Act on radioactive pollution and radioactive waste*
- *Regulations relating to pollution control*
- *Regulations relating to the recycling of waste*



# Outputs of the new legislation

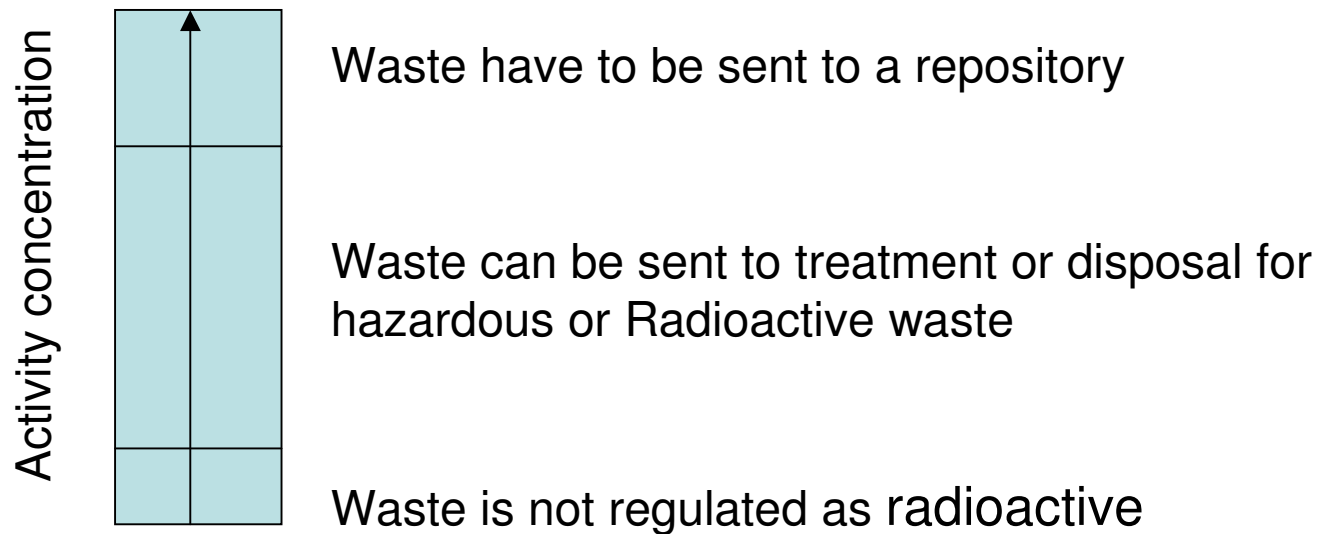
- **Industry**
  - One legislation regulating all kinds of pollution and waste in Norway
  - More harmonised regulation from NRPA and the Climate and Pollution Agency
  - More cooperation between the authorities, e.g. joint reporting, joint audits etc
  - Regulation is (hopefully) more clear
  
- **Authorities**
  - More cooperation between NRPA and the Climate and Pollution Agency and learn from each other
  - Information on the radioactive as well as other characteristics of the waste and pollution to both agencies
  - Better and overall legislation to regulate radioactive waste and pollution by





# Radioactive Waste II

- Values for when waste is regulated as radioactive
  - Based on IAEA RS-G-1.7, NORM 1Bq/g
- Values for when the waste have to be sent to a repository
  - Based on IAEA BSS, E.g. Ra-226, Ra-228 and Pb-210 10 Bq/g
- 
- Three tier approach



# Radioactive Pollution

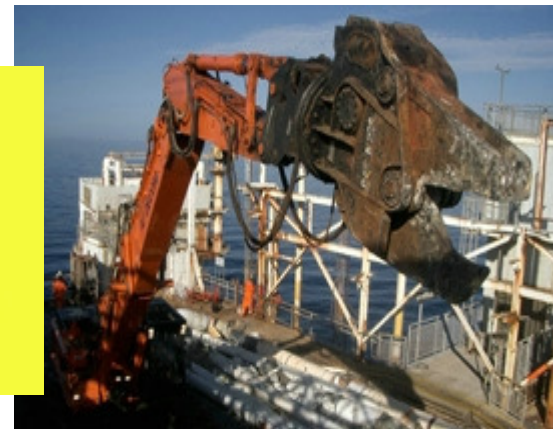
- Radioactive pollution or risk for radioactive pollution require a license from NRPA
- Risk for pollution
  - From the pollution control regulation
  - Given in guidelines and decided on a case by case basis
- Values for when pollution is regulated as radioactive
  - Based on 0,1times IAEA BSS





# Transitional arrangements

- The legislation will be put into force 1st of January 2011
- In addition there will be transitional arrangements
  - Without license have to apply as **soon as possible** but **before 2013**
  - Licensees based on the existing legislation will be **valid until replaced** by new licenses but **no longer than 2014**



Thank you for your attention  
Any questions?

Contact info  
[mette.nilsen@nrpa.no](mailto:mette.nilsen@nrpa.no)

