

# Radioactive Waste

Decision to be made: Waste description & classification

Criteria:

- Clearance levels set by legislation based on scientific & technical attributes

Issues:

- Understanding of clearance levels
- Harmonization of clearance levels between different sectors

# Solid Radioactive Waste

Decision to be made: Waste handling

- (Decay) storage
- Decontamination
- Recycling
- Disposal
- Dispersion
- Retaking back by the manufacturer

Criteria:

- Waste acceptance
- Dose to the operator & the public
- Cost
- Availability of disposal facilities
- Quantity

Issues:

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# Establishing facility for waste storage / disposal

Decision to be made: To be or not to be?

Criteria:

- Financial issues
- Necessity
- Geological possibility
- Public and political acceptance / demand

Issues:

- How to identify public acceptance / demand?
- Identification of stakeholders and their engagement

# Design and siting

Decision to be made: Design of waste management facility

Criteria:

- Purpose (disposal, storage)
  - Type of waste (Half-life & energy levels)
  - Security
  - Need of retrievability
- Occupational and public exposure – dose constrains
- Geological possibilities
- Operational lifetime
- Time for storage
- Safety (passive or relying on institutional control)

Issues:

- Societal – engagement of stakeholders in the design

# Design and siting

Decision to be made: Siting

Criteria:

- Public acceptance of a suitable site
- Municipalities
- Siting standards
- Geology
- Distance from waste producers

Issues:

Who should make the decision?

# Authorisation & Operation

Decision to be made: Licensing

Criteria:

- Regulations
- Standards
- Member states impact
- Waste acceptance

Issues:

Review and reassessment: Maintenance and development of best practice

# Recommendations

Common understanding of clearance levels

Harmonization of clearance levels in Europe  
and/or in a country between sectors

Need to include stakeholders criteria in various  
stages of the decision making processing for  
radioactive waste management

Need to develop the sharing of experience  
regarding stakeholder engagement processes  
at national and European level

Sharing best practice in review and  
reassessment