



Spent fuel and radioactive waste management

Directive -

European position and use of regulatory resources

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Outline

- Status of Directive 2011/70/EURATOM implementation by MS
- Status of radioactive waste and spent fuel in EU
- Effective use of regulatory resources



- Policy, framework and programme for SF and RAW
- Independent regulatory body
 - Sufficient human and financial resources
 - Informing the public about its activities
 - Self-assessment and peer reviews every 10 years
- Expertise, skills and funding
- Strict control of exports of spent fuel and radioactive waste to third countries
- Shared repositories is an option
- Promotion of public information and participation







- Transposition
 - 25 MS declared full transposition and 3 partial/none
 - Common and specific areas for discussion/clarification with MS being identified



- National programmes by 23 Aug 2015
 - Work Shop held in Luxembourg in November 2014



- National reports
 - Overall implementation of the Directive
 - EC to report to the Council and EP –
 2016 (and every 3 years after)

- Inventory of SF and RAW
 - Cooperation with IAEA
 - Status and Trends project (2014-2016)

Meeting in Luxembourg, 8-12 June 2015



Peer reviews

- Programme, regulatory and national framework
- MS decision on type, time and scope
- EC-IAEA contract (2014) to support ARTEMIS guidelines in light of the Directive 2011/70/EURATOM
- MS schedule and pool of experts being discussed in ENSREG WG 2
 "Waste"
 - 3 MS considering reviews in 2016
- Interface with IRRS missions (non-nuclear countries)
- MS to report outcomes to the Commission



- Shipments of waste and spent fuel –
 notification of agreements prior shipment
- Complementary to
 - EURATOM, Art 103 notification
 - Notifications to ESA
 - Safeguards notifications
 - Reports under 2006/117/EURATOM Directive
- Agreements prior EU accession
 - Specific attention in light of Art 4(4) 2011/70/EURATOM
 Directive on disposal of waste in a third country



Effective use of regulatory resources



Facing an increasing volume of waste and spent fuel

Challenges:

- characterisation of waste
- minimisation of volumes
- Irradiated graphite
- Licencing process for waste treatement facilities
- Skilled human resources

Effective use of regulatory resources



- Maintenance of skilled and sufficient resources remains a challenge
 - EC ongoing study for Regulators and TSOs on training on nuclear safety assessment (2015-2016)
 - E-track project, JRC Ispra school on waste management and decommissioning, etc.
- Increased reporting to international organisations
 - ENSREG WG2 Guidance on national reports (Directive 2011/70/EURATOM)
 - Peer review guidance being developed (ARTEMIS)

Feasibility Study



CONTRACT ENER/2014/NUCL/SI2.69996

FEASIBILITY STUDY IN SUPPORT OF THE DEVELOPMENT OF A LEVEL PLAYING FIELD FOR NUCLEAR SAFETY ASSESSMENT BY REGULATORS AND TECHNICAL SAFETY ORGANISATIONS IN THE EUROPEAN UNION

INCEPTION REPORT FEBRUARY 2015





Commission