

# **WENRA-WGWD: Reference Levels for Storage, Decommissioning and Disposal**

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## **Introducing WGWD**

## **WGWD strategy and scope of work**

## **safety areas**

## **WGWD specials**

## **WGWD topics**

## **WENRA-WGWD benefits**

- WGWD (working group on waste and decommissioning)
  - typical member: head of department for waste management (WASSC-representative)
  - frequently additional representatives due to
    - different responsibilities for radioprotection
    - different responsibilities for fissile and non fissile material waste
    - different responsibility for disposal
  - additional members from observer states (RUS)

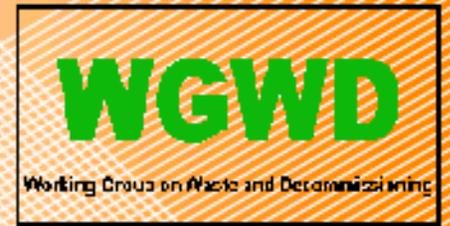
- The final goal is to cover all types of utilities and practices, which are integral parts of any comprehensive national waste management system
- WGWD prepares comprehensive reports covering all aspects of nuclear safety in a given area
- SRLs are primarily addressing the licensee/operator
- few SRLs also address responsibilities of the authorities
- implement the idea of a graded approach
- SRLs are structures similarly as far as possible in all WGWD reports according to safety areas and safety issues

- establish safety reference levels for waste and spent fuel storage (Ver. 2)
- establish safety reference levels for decommissioning (Ver.2)
- establish safety reference levels for disposal (Ver. 1 expected in 2012)
- establish safety reference levels for waste conditioning
- establish safety reference levels for waste generation and pre-treatment

**brown: facility oriented**   **blue: process oriented**

light colour: not yet official tasks assigned

# WGWD safety areas

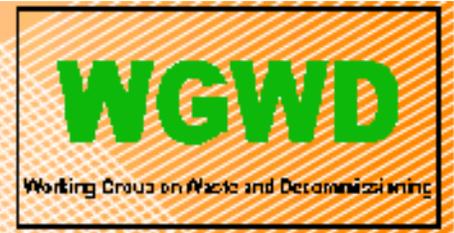


<i>Storage</i>	<i>Decommissioning</i>	<i>Disposal</i>
Safety management	Safety management	Safety management
Design	Decommissioning strategy and planning	Safety requirements for the repository incl. all phases of facility
Operation	Conduct of decommissioning	
		Waste acceptance for final disposal
Safety verification	Safety verification	Safety verification

- cross cutting issues
  - acceptance criteria:  
*fitting together, steps not compromising each other*  
*example: matrix encapsulation vs. volume reduction*
  - transportability:  
*Will SF-casks comply with transport regulations after prolonged storage?*
  - decay:  
*exemption, deferred dismantling*  
*balancing handicaps and benefits*
- stakeholder involvement
  - well established mutual understanding
- fast response for implementation
  - WGWD-members themselves are responsible for implementation  
process of *continuous improvement*

- Long term storage of waste and spent fuel
- Inspection programs during storage
- Periodic safety review of storage facilities
- Developement of decommissioning plans
- Integrating role of acceptance criteria in waste management
- Graded approach

# Benefits of WENRA (WGWD)



- Utilities face harmonized and appropriate requirements in whatever WENRA member country
- Fast corrective actions are possible because they are carried out on a purely national level
- Inclusion of day to day regulatory experience
- Build-up of a strong personal network on an international basis
- Specifically for WGWD: All aspects of a national waste management system are covered and treated equally

Thank you for your attention