

TM-45853

Technical Meeting of the International Project on Human Intrusion
in the Context of Disposal of Radioactive Waste (HIDRA)

- WG3 meetings: Summary 08 Nov. 2013 -

04 – 08 November 2013



IAEA

International Atomic Energy Agency

WG3: Objectives

- Objectives
 - providing measures that counteracts towards any potential HI
 - optimization of the disposal facility
 - reducing of HI potentials
 - reducing of radiological consequences

WG3: Agenda

- 5. Nov. 2013
 - Discussion of the upcoming tasks
 - WG3 agenda for the next four days
 - General Aspects (WG3 objectives and tasks) } Chapter 10.1
 - Role of WG3
- 6. Nov. 2013
 - Categories A) – D) } Chapter 10.2
 - Basic information
 - Database of collected measures } Chapter 10.3 – 10.4
 - Additional supporting aspects
- 7. Nov. 2013
 - Approach to derive optimization measures } Chapter 10.4 – 10.6
 - Conclusions and References
 - Interactions with WG1 and WG2
 - Next steps

WG3: Status

- Developed a proposed methodology that was provided to the coordinating group => **modified and agreed by the participants**
- Identified general measures from different categories => **ongoing issue**
 - A) Monitoring/ Surveillance
 - B) Design and engineering barriers
 - C) Knowledge management
 - D) Siting

} **to be modified**
- Developed initial database with general measures (spreadsheet) => **to be modified and updated**
- Approach for deriving optimization measures

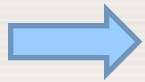
WG3: Accomplishment

- Identified general measures from different categories
- Developed database with general measures
- Developed approach for deriving optimization measures
- Revised draft of chapter 10. Protective Measures
- Identification of interactions with the other WGs

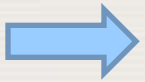
WG3: Overlaps

Content

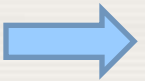
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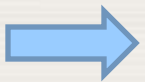
WG2



WG2



WG1



WG1

WG3: Glossary

- Oversight
- Institutional control
- Optimization
- Monitoring
- Surveillance
- Measure (protection, general, potential, optimization)
- Proponent/ Applicant/ Implementer/ Licensee

WG3: Next steps

- Near-term
 - Check the database – (WG2)
 - Structure the database in categories (main and sub), Columns etc. – (Thomas)
 - Provide § discussion on importance of HI criteria for siting (Manuel)
 - Definition and extent of optimization (glossary – SSR5) – (Lei)
 - Check the references – (WG3)
 - Update WG3 contribution to the draft report – (Thomas)
 - Brief overview: Introducing WG3 “Measures” – (Thomas)
 - Terms for the glossar – (Lei, Stelian)
- Long-term
 - Ranking of the measures ? Possible to derive a generic ranking or is it too concept specific ? What was done in PRISM ? – (to be decided, coordinating group)
 - Harmonisation with the PRISM table – (Boby)
 - Additional examples can be provided to the table (overlap is not an issue) – All.
 - Chapter 10.2.5 Waste types and characteristics – (Dong Keun, Benoit)
 - Database examples for the category “Waste types and characteristics” – (Dong Keun, Benoit)
 - Chapter 10.3 Basic information (examples) – (Boby, Lei) and (WG3)
 - Revised draft report – (Thomas)
 - Revised database – (Thomas)