Working Group One:
Scenarios
Plenary Closing

08 September 2013
Working Group Rationale

• Provide information to allow for a quick reference that may provide a starting point for developing future human intrusion scenarios.

• The group intends to support the overall project objective by developing scenarios.
Working Group Objectives

• Provide an overview of the following in the form of a draft report:
  • Identify stylized human intrusion scenarios to be considered with distinction between near surface and deep geologic disposal
  • Potential impacts of a scenario on the disposal system and environment, and exposure scenarios
  • Provide a method to modify the stylized scenarios for additional purposes

• Support development of the HIDRA Report
Working Group One Members

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Refine Section Focus

- Revisiting organization of report section
- Enhancing focus on human intrusion scenarios
- Providing guidance on tailoring generic human intrusion scenario to specific human intrusion scenario
Scope of Work

• Identification of categories of potential scenarios of future human intrusion actions of radioactive waste disposal systems.
  • Identify stylized human intrusion scenarios
  • Identify method for scenario development
Scenarios Identified

• Near-Surface Disposal Facility
  • Drilling
  • Excavation (building)
  • Excavation (roadway)

• Deep Geologic Disposal Facility
  • Drilling
  • Mining
  • Non-conventional Mining
Accomplishment: Methodology

• Methodology
  • Disposal System Type
  • System Description*
• Intrusion Events
• Impacts*
  • Indicators
  • Transport
  • Exposure

*Potential for measures incorporation
Key Overlaps with Report Sections

- Discussion of probability (WG2)
- Discussion of system description (WG3)
- Role of human intrusion in the safety case (HIDRA)
  - Clarify HI is one component of the safety case
Tentative Schedule

- Draft HIDRA report to the WG1 Members
  - Late November 2013
- Comments on draft HIDRA report from WG1 Members to WG1 Chair
  - February 2014
- Revised Scenarios section to WG1 Members
  - April 2014
- Comments on Scenarios section from WG1 Members to WG1 Chair
  - February 2014
- Core group meeting
  - September 2014
WG1 Deliverable

- Draft report [TBD]
Roles and Responsibilities

- Review and provide comments on report section (all)
- Proactively share information resources with the working group members (all)
- Coordinate with working groups 2 and 3 as necessary (CM)
Possible Terms for Glossary

- Human intrusion
- Future human action
- Likelihood
- Probability
- Disposal system
- Disposal facility