Agenda Item W 5.3

Report from the Second Technical Meeting of the International Project on Completion of Decommissioning (COMDEc) – For information –

Vladan Ljubenov
Decommissioning and Remediation Unit
Waste and Environmental Safety Section, NSRW
Introduction


• Since its publication a significant number of decommissioning projects have been completed, or are close to completion, in several of the Member States.

• The experience gained from these completed projects can provide valuable input to the review and revision of the safety guide that will begin in 2019.
Objective of the COMDEC Project

• To collect, analyze, and exchange experiences on the completion of decommissioning and release of sites.

• This includes those sites released with restrictions, i.e., when institutional controls of the site are needed at the completion of decommissioning.
Objective of the COMDEC Project, cont’d

• The overall objective of the project is to produce a systematic overview of experiences worldwide

  • In defining the decommissioning end state, including quantitative end state objectives.
  • In performing clean-up activities needed to achieve the end state.
  • In demonstrating compliance with the end state objectives.
  • In defining and implementing continuous measures and controls after completion of decommissioning, when needed.
Objectives of the COMDEC Project, cont’d

• This project also aims to:
  
  • Identify good practices based on the Member States’ experiences.

  • Provide practical guidance on the completion of decommissioning.

  • Illustrate the decision making, conduct of activities and the associated regulatory activities on the completion of decommissioning.

  • Enhance capacities in Member States and improve communication and exchange of information and lessons learned among Member States.
Scope of the project

- The project focuses on the final stages of decommissioning after the structures, systems and components of the site have been dismantled.
- Looks mainly at the buildings and land areas of facilities that were shut down under normal conditions.
- Off-site remediation is not the subject of the project, however off-site contamination is addressed when the contamination is related to off-site components or systems (e.g. discharge channels and pipes).
Scope of the project, cont’d

- A range of end states, from unrestricted release to situations where the site may need to remain under institutional control, will be addressed.
- The end state may not be limited to surface contamination, but may include subsurface contamination.
- The project will also address the nature and duration of regulatory activities up to the release of the site or the different forms of institutional controls for restricted release.
Project Implementation and Structure

- A Coordinating Working Group (CWG) has been established to coordinate the project.
- It comprises the Chairperson of the project, the Chairs and Vice-Chairs of the individual working groups and the IAEA Scientific Secretaries.
- The CWG have responsibility for providing:
  - Effective overall coordination of project activities
  - Coordination of the tasks and outcomes in accordance with the agreed on scope, objectives and outcomes of the project, and
  - Finalization of the project report for publication.
Project Implementation and Structure

The project have three working groups that cover specific aspects of the completion of decommissioning:

- Defining the end state
- Delivering the end state
- Regulatory aspects
Project Implementation

• The project is being conducted in the form of annual meetings (comprising plenary sessions and sessions of the working groups), interim meetings of the working groups and home work by the project participants.

• To the extent deemed necessary the CWG may also meet separately from the annual and working group meetings.

• Secretariat – NS, NE, support from TC
Work Plan

• The project meetings are scheduled to run for three years (September 2018 – November 2021).

• Annual meetings of all project working groups will be organized to facilitate coordination of the project activities and development of contributions to the project report.
Work Plan

2018

- Start
- Kick off Meeting
- Collection of experience feedback
- Input from participants
- Working group n°1
- update

12 months

- 12 months
- Annual meeting
- Draft n°1
- WG meeting
- Working group n°1
- update

24 months

- 24 months
- Annual meeting
- Draft n°2
- WG meeting
- Working group n°2
- update

36 months

- 36 months
- Final meeting
- Final Report
- Dissemination of project results
- WG meeting
- Working group n°3
- update

Working group Coordination
Project activities

- First TM, 24-28 September 2018 in Vienna
  - 42 participants from 29 MS
  - Adoption of the Terms of Reference
  - Collection of MS experiences and discussion
  - Establishment of Working Groups and initial discussions, scope of work, workplans
  - Tasks for home work
  - Questionnaire
  - Coordination / interfaces between the groups
Project activities

- Interim Meeting of the Working Groups, 12-14 June 2019 in Vienna
  - CWG meeting on 11 June, short CWG consultations held on a daily basis
  - 17 participants from 10 MS
  - Continuation of collection of MS experiences and discussion – new presentations, answers to the questionnaire
  - Most of the time spent in WG meetings
  - WG1 and WG2 worked together
  - Review and analysis of technical reports / articles
  - First inputs to the project report
  - Tasks for home work
Project activities

- Second TM, 23-27 September 2019 in Vienna
  - 36 participants from 19 MS
  - Continuation of collection of MS experiences and discussion
  - Plenary discussions of the key concepts
  - Working Groups sessions
  - Drafting parts of the project report
  - Update of workplans, tasks for home work
  - Plans for the next Interim Meeting in UK, 1-5 June 2020 (with a site visit to Trawsfynydd Nuclear Power Station)
Key discussion points

- Components of end state definition – radiological criteria, physical status, non-radiological criteria
- Factors to be considered when defining an end state, uncertainties
- End state options
- Decision making process – multi-attribute analysis vs. preferred end state
- Evolution of an end state definition
- Interim end states
- Characterization prior to cleanup
- Extent of cleanup activities
Key discussion points

• Final survey
• Demonstration of compliance with end state criteria
• End state in the context of a multi-facility site
• Partial site release
• Regulatory process and decisions
• Definition of institutional controls in case of release with restrictions (type, duration, responsibilities, removal of controls)
• Introducing a new practice on the site
• Graded approach, justification, optimization
• Involvement of interested parties
Recommendations related to WS-G-5.1

- WS-G-5.1 published in 2006
- Existing guidance in WS-G-5.1 is still valid and applicable, but is not detailed enough
- It is recommended to start the revision process
- Provide guidance on the key discussion points listed
- Ensure consistency with GSP Part 3, GSR Part 6, SSG-47 and SSG-49
- WASSC is expected to make a formal decision and request the Secretariat to develop a DPP for the WS-G-5.1 revision
Thank you!