Waste Safety Standards Committee

37th Meeting

23-27 June 2014

Agenda Item W8.5.

Draft Safety Guide: Predisposal Management of Waste from the Use of Radioactive Materials in Medicine, Industry, Research, Agriculture and Education (Revision of WS-G-2.7)

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NSRW
Background

- WS-G-2.7 published 2005
- Approval of DPP by the Coordination Committee April 2011
- Approval of DPP by the Safety Standards Committees* June 2011
- Approval of DPP by the CSS* November 2011
Background

DPP 454:
Since the publication of this Safety Guide, there have been significant developments in the IAEA guidance and requirements for management of radioactive waste (namely SF-1, SSR-5, GSR Part 5, and the draft BSS). The update of the proposed safety guide will consider the experience of Member States and will ensure consistency with current IAEA guidance on the management of radioactive waste.
Content

• 1. INTRODUCTION
• 2. PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT
• 3. RESPONSIBILITIES ASSOCIATED WITH THE PREDISPOSAL MANAGEMENT OF RADIOACTIVE WASTE
• 4. STEPS IN THE PREDISPOSAL MANAGEMENT OF RADIOACTIVE WASTE
• 5. SAFETY CASE AND SAFETY ASSESSMENT
• 6. DEVELOPMENT AND OPERATION OF PREDISPOSAL RADIOACTIVE WASTE MANAGEMENT FACILITIES AND ACTIVITIES
• 7. MANAGEMENT SYSTEMS
Comments

- 219 comments
  (Arg, Can, EC, Fin, Fra, Ger, Jap, USA, Sui)
- Majority of comments editorial or asking for clarification.
- All comments have been addressed
Comments

- clarification / wording
- scope / structure
- content
- references
- editorial
Comments – major points 1

1: clarification of objective (large facilities)
   - Wording changed to “moderate sized”
   - The document focuses on moderate sized facilities, like in large medicine, industry and research facilities, but can be applied to facilities with small inventories using a graded approach.
Comments – major points 2

• 2: Clear use of shall and should and citations from GSR - part 5
  • Wording was checked,
  • citations have been made visible
Comments – major points 3

• 3: Addressing of all requirements of GSR – part 5
  • Req. 1 addressed together with req. 2
  • Req. 21 addressed together with req. 5
4: Elaborate on graded approach

2.6. The regulatory body has to consider a graded approach to the application of the requirements for the predisposal management of radioactive waste, depending on the hazards, the complexity of facilities and activities, and the characteristics of the waste, and will have to apply the requirements as necessary and appropriate.

2.7. A graded approach is a process by which the level of analysis, documentation and actions necessary to comply with the safety requirements are commensurate with the factors below.

2.8. The graded approach should be applied in a way that does not compromise safety and ensures compliance with all relevant safety requirements and criteria.
4: Elaborate on graded approach

2.9. The application of the graded approach in the context of medical, industrial and research facilities should take into account the factors, such as:

(a) Size and type of the facility...
Way forward

- Was approved by RASSC
- Approval at WASSC 37 for submission to member states