Waste Safety Standards Committee

37th Meeting

23-27 June 2014

Agenda Item 7.1

Report of the Sixth term of the Waste Safety Standards Committee

November 2013

G. Williams, Chairman

G. Siraky, Scientific Secretary
End of 6th Term report:

- it is a standalone document;
- includes background information on historic development of waste safety standards;
- summary of working methods;
- summarises the activities of WASSC (2011 – 2013);
- includes status of development of waste safety standards.
Issues of the current term:

- impact of the Fukushima-Daichii accident (FDA) on the system of waste safety standards;
- stress test results conducted by Member States on waste and spent fuel management facilities;
- change in definition of *nuclear installation*;
- long-term storage vs. disposal;
- the use of the dual purpose cask for storage of SF;
- improving safety/security integration; and
- the need for adequate guidance on communication and consultation with stakeholders.
Recommendations for the next (seventh) term:

• continue to collect and incorporate the lessons to be learned from the FDA and other accidents. This work will inform future decisions concerning any additional guidance to be produced;

• specific guidance may be additionally required on:
  • strategic planning for accident recovery (IEM4 recommendation), setting of reference levels for post-accident remediation and planning for disposal of accident waste;
  • preparation of a generic safety case for use after an accident and acceleration of licensing; and
  • the importance of public consultation & stakeholder involvement in planning disposal;
Recommendations for the next (seventh) term (cont.):

- need to ensure that decommissioning following an accident and on-site waste management resulting from stabilization and decommissioning are adequately treated;
- WASSC may like to initiate or cooperate with others to establish expertise needed to deal with the impact of severe accidents. This should also include capacity requirements based on experience of severe accidents;
- the need to revise the waste safety terminology in the Safety Glossary;
- a preference to continue the valuable joint meetings with RASSC and other committees, as appropriate.
Conclusions of WASSC 3-year report

- The suite of waste safety standards (WSS) is now complete and the cycle of revision of several existing WSS has started;

- the majority of the efforts of the committee during the sixth term focussed on the IAEA Action Plan, and specifically the identification of safety requirements or safety guides warranting updating or modification resulting from the FDA;

- WASSC completed action on eight Safety Requirements and 26 Safety Guides during the term;

- presentations on the use of WSS in various MS have demonstrated the value and usefulness of the IAEA’s safety standards in the national waste safety frameworks.
Thanks for your attention

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