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Regional Workshop on the Development of National Strategies and Regulatory Requirements for Spent Fuel Management

Objectives, agenda, organization aspects

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Objective

- To consider the development of national strategies and regulatory requirements for spent fuel management by central governments and regulatory bodies
- The following topics will be considered:
 - International standards for the safety of spent fuel management
 - The key components of national strategies for radioactive waste and spent fuel management
 - Development, review and implementation of strategies for radioactive waste and spent fuel management
 - Arrangements and processes for the effective regulation of radioactive waste and spent fuel management
 - Assessment of different options for spent fuel management.
 - Wet and dry storage of spent fuel

The IAEA encouraged participants to give presentations on the work of their respective institutions that falls under the topics listed above

Agenda. Monday

09:30-09:45 Opening – (NSC, IAEA)

09:45-10:00 Introduction of participants, administrative arrangements

10:00-10:15 Workshop objectives, agenda and organization of work (*A. Guskov*)

10:15-10:45 The IAEA Safety Standards for SF management and the Joint Convention (*A. Guskov*)

10:45-11:15 Break

11:15-12:00 – The nuclear fuel cycle (*P.C. Leverd*)

12:00 -13:00 Lunch Break

13:00 – 13:45 Organizational, legal and regulatory framework for SFM (*P. Maenalanen*)

13:45 – 15:00 The key organisational and technical components of national strategies for radioactive waste and spent fuel management (*P.C. Leverd, P. Maenalanen*)

15:00 -15:30 Coffee Break

15:30 -16:15 Presentations from participating 6 countries:
Indonesia, Malaysia, Philippines, Thailand, Viet Nam, **China**

16:15-17:00: Discussion of the national presentation and topics presented earlier (All)

17:00 Adjourn

Agenda. Tuesday

09:30-10:15 Development, review and implementation of strategies for radioactive waste and spent fuel management (P. Maenalanen)

10:15-10:45 Reversibility strategies for SF management (P.C. Leverd)

10:45-11:00 Discussion (All)

11:00-11:15 Break

11:15-12:00 Arrangements and processes for the effective regulation of radioactive waste and spent fuel management. (P. Maenalanen)

12:00-13:30 Lunch Break

13:30-15:15 Application exercise 1

15:15 – 15:45 Break

15:30-16:30 Application exercise 1

16:30-17:00 Plenary Discussion and Feedback (All)

17:00 Adjourn

Agenda. Wednesday

09:30-11:00 Assessment criteria/aspects of different options for spent fuel management (P.C. Leverd, P. Maenalanen)

11:00-11:15 Break

11:15-12:00 Short Country by Country presentations on preparation for SF management + discussion

12:00-13:30 Lunch Break

13:30-15:30 Exercise (2) - Role Play / Interactive Session

15:00 – 15:30 Break

15:30 – 16:15 Feedback on exercise

16.15 – 17:00 Plenary Discussion. Lessons Learned from Exercise 2

17:00 Adjourn

Agenda. Thursday

09:30-10:15 • Wet and dry storage of spent fuel. (Paivi Maenalanen)

10:15-11:00 • Direct disposal of spent fuel and disposal of radioactive waste resulting from the reprocessing of spent fuel. (P.C. Leverd)

11:00-11:15 Break

11:15-11:45 HLW/SF Inventory and waste characteristics (P.C. Leverd)

11:45-12:00 Discussion

12:00-13:30 Lunch Break

13:30-15:30 The concept of the safety case and safety assessment (A. Guskov)

15:00 – 15:30 Break

15:30 – 16:15 The need/ role of generic/site specific URL for disposal (P. Maenalanen, P.C. Leverd, A. Guskov)

16.15 – 17:00 Plenary Discussion

17:00 Adjourn

Agenda. Friday

09:30-10:15 Feedback Session (Answering Questionnaire)

10:15-10:30 Summary of Key Points by Course leaders

10:45-10:55 Next steps

10:55-11:00 Closure

11:00 Adjourn

Practical aspects

- Money exchange and withdraw cash from bank cards
- Transfer to NSC and back
- Break arrangements
- Lunch options

Organizational aspects

- National presentations (how many, how long)
- Working groups and exercises

1) How to make a decision of the management of SNF

- SF or HLW? (reprocessing or not although this is ultimately a national decision, not a safety related issue)
- Direct disposal or not? Impact of one or other decision on the subsequent waste management solutions (in particular disposal)
- What might be the justifications from a technical, safety, public acceptance/perception, economic or other points of view?

2) Storage of SNF?

- Wet or dry? How to make the decision, what might be the basis and criteria for decision? what are the main advantages and drawbacks of these two options? How to address potential extension of storage period... and potential operation period for storage facility? Which might be the basis for planning that extension? Processed? Does it need a specific authorisation? How to plan and address ageing of spent fuel casks and storage facility? How to address decommissioning of storage facility?

During discussion of the exercise results other groups are supposed to play the role of the regulator and the public/greens/other interested parties

Questionnaire

6 Questions:

1. Profile of the participant
2. Was this ANSN activity generally practical and useful for you?
3. To what extent your expectation to this ANSN activity was satisfied?
4. What was the detailed useful outcomes for you by this ANSN activity?
5. Do you think that more involvement from your side is needed to identify more practical and useful ANSN activities in future?
6. Please provide any suggestions for more useful ANSN support activities in the future.

To be completed in a hard copy or electronically?



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Thank you!

