

**Session 6:  
Defining Regulatory Dose  
Standards  
- Japanese Perspective -**

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**Regulatory Safety Standards**

- No safety standards yet specified
- AEC Guidelines for H12 SA (AEC, 1997)
  - Safety indicator
    - (annual individual) dose as the primary
    - supplementary analyses to confirm no significant impact on natural radiation levels on the long term, taking account of the difficulty of predicting the future human environment over the timescales relevant for safety assessment
  - Protection (safety) level
    - refer to foreign standards currently in force
  - Timescale
    - no limit placed on the timescale over which individual doses to be calculated
  - Receptor
    - assuming the present-day lifestyle for future exposure group
- ➔ Useful to apply international guidelines and foreign standards as references for discussion of safety
- ➔ Useful to apply supplementary indicators and arguments for confidence building (natural analogues, comparison with other SA results)

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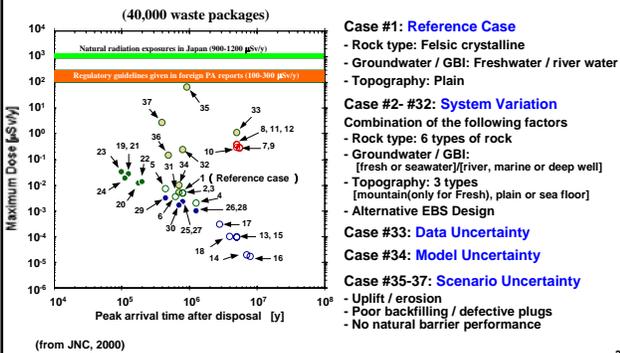
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**Results of H12 Total System PA**



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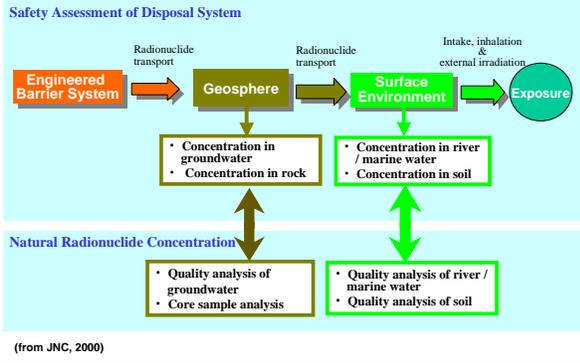
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# Application of Supplementary Indicators




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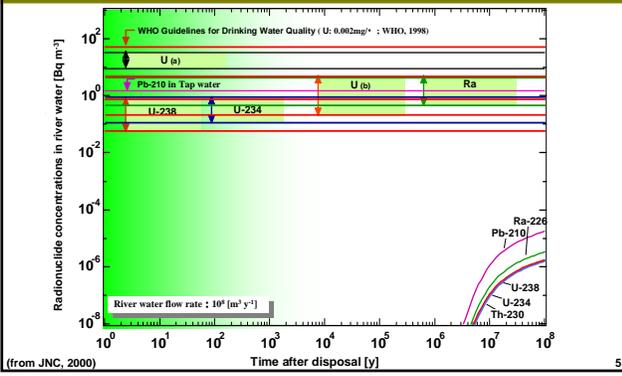
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# Comparison of Calculated Results and Natural Radionuclide Concentrations (in river water)




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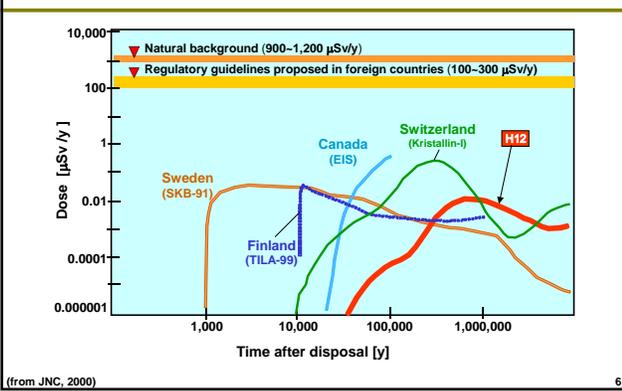
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# Comparison of H12 with International PA Studies




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