

Conclusions and Recommendations



Ernst Warnecke; IAEA / NSRW

“International Training Course on the Release of Sites
and Building Structures”

Karlsruhe Institute of Technology

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IAEA

International Atomic Energy Agency

Main Issues

- Decommissioning planning is very demanding
- Suggestions for preferable working methods should be strengthened, including personal experience, e.g. during discussions

Comments on the Workshop

- Very useful information
- More information on other countries and approaches could have been included
- Competent lecturers, well organised workshop
- ‘Codes’ should be provided
- Regulatory experience was missing
- Time allocated to national reports was too short
- More time for focussed group discussions
- Presentations were based on experience
- Very active participation in practical exercise

New and useful Information

- Measurement techniques
- MARSSIM approach and other approaches
- Differences in national approaches to 'release'
- German approach and experience
- Application and demonstration of technologies
- Remote handling and cutting technologies
- Comparison of technologies and measurements
- New equipment for concrete decontamination

Suggestions to Participating Countries

- Ask for comments / issues on the subject of the workshop in advance of workshops
- Establish clearance levels
- Stay in touch amongst each other and with the lecturers to exchange experience and information
- Operators should always be in close contact to regulators without compromising independence
- Early involvement of 'stakeholders'

Suggestions to KIT / IAEA

- IAEA should ask participants for issues on the subject of the workshop in advance and deal with issues during the workshop
- More specialised workshops, e.g. on cutting, decontamination, measurement techniques with practical demonstrations could be held
- Provide advice on advantages / disadvantages
- Consider holding a workshop on 'interventions'
- Training on 'Codes' could be provided
- Produce specialised reports (TRS, TECDOC) on decommissioning technologies and practical experience

Difficult Issues

- Establishing of radionuclide ‘vectors’ / scaling factors / radionuclide correlations ...
- Establishing of site release criteria
- Justification of restricted release
- Determination of efficiency curves and the limitations of Codes
- Sampling issues (frequency, location, depth ...)
- Change of nuclide ‘vectors’ (...) during decommissioning, e.g. after decontamination
- Setting of thresholds for release measurements (uncertainties, complete radionuclide inventory)

Conclusions

- 'Release' of materials, buildings and sites is a difficult and very important issue

THANK YOU

