



Strategies for Radiological Characterisation in Decommissioning

S. Thierfeldt, K. Haneke - Brenk Systemplanung GmbH, Aachen

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Abstract

In the first half of 2011, the Radiological Characterization and Decommissioning Task Group (RCD) of the WPDD of the OECD/NEA has prepared a questionnaire on the characterisation of nuclear facilities that has been circulated among nuclear installations in various OECD countries. The aim of this questionnaire was to gather information on the approaches and methods that are used for radiological characterisation (RC) for systems and components, for buildings and for sites (land), on domestic and international guidance and regulations that govern RC, and on the experience with RC that is already available in the particular country.

The number of responses to this questionnaire that were received in the second half of 2011 was very satisfactory, so that a broad overview is now available from the following countries: Belgium, Canada, Denmark, Finland, France, Germany, Japan, Korea, Spain, Sweden, and United Kingdom. The presentation deals with the results that were obtained from the evaluation of these questionnaires and gives overviews of the objectives of characterisation, the input data for planning of characterisation, the measurement techniques that were used for metallic structures and components, for buildings and for sites, the data management and QA measures, the obstacles that were encountered, the experience with availability of as-built plans, the regulatory framework and guidelines, and the costs for RC. All information on RC is further broken down with respect to the operational phase (where RC is used for preliminary decommissioning planning), the transition phase (where RC supports decommissioning planning) and the actual decommissioning phase (where RC is needed for dismantling, decontamination and treatment of systems, components, buildings etc.). The presentation also offers conclusions on these subjects.