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Management of the Radioactive Waste arising from the Decommissioning of the WWR-S Research Reactor from IFIN-HH, Magurele, Romania

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The WWR-S research reactor from National Institute for R&D in Physics and Nuclear Engineering Horia Hulubei (IFIN-HH), Magurele site, Romania, is currently in the year 2 of the phase 3 of the decommissioning project. Big components are cut in small parts to reduce the size for a proper packing and temporary disposal. Segregation is used to separate different type of materials depending on their physical and chemical properties. After that, the radioactive waste is accommodated in a standard barrel (220L) and send to radiological characterization laboratory before its arrival to the Waste Treatment Plant. High activated/contaminated materials are stored in shielded containers.

In Romania, all the radioactive waste coming from decommissioning of the research reactor is treated and packed at the Radioactive Waste Management Department (RWMD) and sent for final disposal at the National Radioactive Waste Repository (NRWR) in Baita, Bihor County.

Summary

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