

RADIATION PROTECTION CALCULATIONS FOR DISUSED SEALED SOURCES

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Radiological assessments presented in the Safety Case for the Operational License of the Radioactive Waste Treatment and Disposal Facility have confirmed that the exposure levels of the operating staff originating from handling of disused sealed sources will not exceed the regulatory limits. By modeling the tools used for transportation, handling and interim storage of disused sealed sources, the activity values maximally allowable in handling processes with the corresponding dose rates were determined. Based on these results, the radiological consequences of transportation, handling and interim storage of disused sealed sources were fully assessed in normal operation.