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Experience of decommissioning RADON-type legacy storages of solid radioactive waste

INTRODUCTION

Decommissioning of nuclear and radiation hazardous facilities refers not only to nuclear power plants, but also to a wide range of specific facilities including storages of radioactive waste.

The paper describes Rosatom's experience in decommissioning of RADON-type legacy storages of solid radioactive waste.

1. COMPOSITION OF RADON-TYPE STORAGE

Section 1 describes typical composition of RADON-type storage on the example of the facility located in Murmansk.

1. TYPICAL COMPOSITION OF RADON-TYPE STORAGE

Section 2 includes major causes leading to RADON-type storages decommissioning. This includes loss of leak-tightness due to natural degradation of engineering barriers and modification of legislation on radioactive waste management that took place in 2011.

2. EXPERIENCE OF RADON-TYPE STORAGES DECOMMISSIONING Section 3 describes the experience of RADON-type storages decommissioning.

3. CASES

Section 4 covers some cases of RADON-type storages decommissioning. These include Murmansk facility and Leningrad facility (a branch of Federal Ecological Operator). Cases include information on the facilities and decommissioning scope that was carried out.

CONCLUSION

Accumulated experience of RADON-type legacy storages decommissioning may serve for consideration during planning of further projects of similar nature, thus potentially saving financial resources and leading to shorter duration of such projects.

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