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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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