

Experience of FSUE “RADON” in rehabilitation of the legacy sites and radwaste

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Since 1961 FSUE RADON makes its activity in the field of Radwaste management, radiation safety and rehabilitation of environment. The first transportation of Radwaste to the site was implemented on January, 27, 1961. Now FSUE RADON serves the central part of Russian Federation and nearest regions. The fields of RADON's activity are the following:

- ☒ Radiation-Ecological Monitoring,
- ☒ Decommissioning Nuclear Facilities and Rehabilitation Of Areas,
- ☒ Radwaste management: Collection, Transportation, Processing, Conditioning and Storage of Radioactive Waste,
- ☒ Engineering, Scientific and Technological Support.

The company carries out the complex managing radioactive waste, radiation examination and radiation-ecological monitoring of environmental objects.

The main activities in the decommissioning are:

- ☒ Unload and removal of spent nuclear fuel and nuclear materials from the site (transfer of nuclear facility into a safe condition);
- ☒ Removing the working environments;
- ☒ Decontamination of equipment and facilities;
- ☒ Dismantling, demolition of constructions and buildings;
- ☒ Treatment of the resulting radioactive waste, their containerization and delivery for storage and disposal;
- ☒ Remediation of contaminated sites.

Decontamination and rehabilitation of facilities and territories

- ☒ Development of a special part of the project documentation for the decontamination and rehabilitation of contaminated sites and areas
- ☒ Collecting, sorting and preparation for transportation of radioactive waste
- ☒ Rehabilitation facilities and areas for further use without restriction
- ☒ Control radiation inspection facilities and areas after the completion of decontamination and rehabilitation

The following legacy sites were decommissioned and cleaned up:

- ☒ Rehabilitation of the Applied Chemistry Institute, St. Petersburg: Dismantling of the concrete canyon of the former storage of liquid radioactive waste, packaging waste and their transportation to the interim storage site, containerization and removal of 400 m3 radioactive waste
- ☒ Dismantling the plant and rehabilitation of area of “Podolsk factory of non-ferrous metals” Moscow region.
- ☒ Rehabilitation of “Globus 1” (Ivanovo region): Excavation and sorting of 2415 m3 contaminated soil, containerization and removal of 800 m3 radioactive waste.
- ☒ Rehabilitation of Areas of Prospecting and Experimental Works (Kurgan Region): Examination of technological bores of reservoir for situ leaching of uranium and adjacent territories, land clearing and liquidation plugging of decommissioned 72 technological wells, Remediation of an area of 3000 m2:
 - Filling of contaminated areas of a private ground;
 - The reference radiation survey of the rehabilitated area;
 - Planting herbs at the rehabilitated areas.
- ☒ Rehabilitation of the Experimental Field in the Vladimir Region

Country or International Organization

Russian Federation, ROSATOM, FSUE

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Author: Mr FEDOROV, DENIS (FSUE "RADON")

Presenter: Mr FEDOROV, DENIS (FSUE "RADON")

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