

Best International Practices in Nuclear Decommissioning and Remediation of Contaminated Sites / Edited by I. I. Linge and A. A. Abramov. — 2017. — 524 p.

The two-volume monography considers the issues of origin and solution of nuclear legacy problems in four countries: USA, UK, France and Canada. Historical practices of nuclear facility operations that caused the environmental contamination and led to a number of nuclear legacy problems are reviewed for each country.

The first volume describes the evolution of the environmental protection legislation in the USA; some chapters of the book are dedicated to the current state of legal and regulatory framework of decommissioning and remediation. Funding arrangements for the nuclear legacy remediation projects are evaluated, including the past and future financial commitments.

General provisions of the state programs and strategies for implementation of these projects and remediation of territories are covered; key measures implemented or planned to be implemented in the framework of the programs are identified. Analysis of approaches and tools used for optimization and maximizing the efficiency of operations is provided.

A separate chapter of the second volume reviews the issues associated with public engagement during the implementation of such projects.

The book is addressed to scientists and nuclear specialists, and may also be of interest for a broader audience interested in solution of the nuclear legacy problems.

The team of authors took part in preparation of materials of the monography: Specialists of IBRAE RAN N. S. Tsebakovskaya, S. S. Utkin, A. Yu. Ivanov and assistant professor of NNU MEPhI V. K. Sakharov.

Since the monography covers not only the technological aspects of solving the nuclear legacy problems, but also gives the analysis of management practices, including state and corporate management, experts from the Moscow office of the leading international company «The Boston Consulting Group» specializing in management consulting took part in preparation of the edition.

The monography was edited by the Deputy Director of IBRAE RAN, Dr. Igor Innokentievich Linge and Deputy Director of the State Corporation “Rosatom” for state policy in the field of radioactive waste, spent nuclear fuel management and decommissioning of nuclear- and radiation-hazardous facilities Alexander Anatolievich Abramov.

EDITORIAL POLICY OF THE JOURNAL

The Nuclear Safety Institute of the Russian Academy of Sciences in cooperation with the State Corporation “Rosatom” decided to issue a scientific and technical peer reviewed journal “Radioactive waste”. Certificate of Roskomnadzor on registration of this journal PI No.F S77-70452 was received on 17 July 2017.

The goal of the journal is to intensify and extend the exchange of experience related to the radioactive waste management between Russian and international specialists. Results of all major activities in the field of radioactive waste management implemented by operators, including the projects within the framework of the Federal Targeted Program “Nuclear and radiation safety for 2016—2020 and for the period up to 2030” shall be discussed in the journal.

The main goal of the journal is to increase the RW management efficiency by establishment of a national scientific and informational platform.

Major specialists of the nuclear industry and the Russian academy of sciences form the editorial review board of the journal headed by academician of RAS B. F. Myasoyedov and the editorial board headed by academician of RAS L. A. Bolshov. The journal is planned to be issued in Russian and English

at least 4 times a year. The editorial board plans to include the journal into the relevant international scientific databases and the list of Higher Certification Commission.

The presentation of the first issue of the journal is planned to be held at the international forum ATOMEKO-2017, which will take place in Moscow from 21.11.2017 to 22.11.2017. The English version will be presented at the Sixth Review meeting of the Contracting Parties of the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management (Vienna, May, 2018).

The “Radioactive Waste” journal accepts publications on the following topics in the field of RW management:

- disposal of radioactive waste: siting, design, construction, safety case for disposal facilities, organization of radiation monitoring, public communication issues;
- safety of non-rertrivable radioactive waste storage facilities; characterization of radioactive waste storage and conservation facilities, projects on conservation, radiation monitoring, technologies and equipment for conservation of non-rertrivable RW storage facilities.