

## NUCLEAR AND RADIATION SAFETY

Quarterly Academic and Research Periodical of the Federal Environmental, Industrial and Nuclear Supervision Service

Official Journal issued since 1998

## No. 1 (83)-2017

**Editorial Board:** A.V. Ferapontov, M.I. Miroshnichenko, Ye.G. Kudryavtsev, V.A. Sidorenko

# Founder SEC NRS

# Editorial Team:

A.A. Khamaza – Chief Editor R.B. Sharafutdinov –

Deputy Chief Editor A.P. Khomyakov

Ye.G. Bugaev

O.M. Kovalevich

O.Yu. Kavun

A.Sh. Sakaev

I.P. Sokolov

V.P. Slutsker

V.Sh. Plekhanov

A.A. Stroganov

T.V. Sinitsyna –

**Executive Secretary** 

Ye.A. Dorogavtseva -

Editor of the issue

N.R. Bolshakova -

Desk-top publishing

ISSN 2218-8665

### © Nuclear and Radiation Safety

SEC NRS, 2017.

Reprinting of the material published in "Nuclear and Radiation Safety" periodical may only be carried out with prior permission of the publishers.

#### **CONTENTS**

#### **ARTICLES**

Bugaev Ye.G. Improvement of seismic hazard assessment	
methodology based on geological and seismotectonic data	••••
Nefedov S.S., Rodin P.A. Containment strength criteria for	
external impacts.	1
Kuryndin A.V., Shapovalov A.S., Vernik A.L. Elaboration of federal safety	
regulations in the field of the use of atomic energy establishing	
procedure for emergency declaration, prompt communication of	
information, and arrangement of urgent assistance to a nuclear	
power plant in case of radiological emergency	2

LEGAL DOCUMENTS	
Requirements for safety-related control systems at nuclear plants.	
NP-026-16	27
Safety requirements for decommissioning of radioactive waste storage	
facilities. NP-097-16	42
Safety assessment for pre-disposal management of radioactive waste.	
RB-122-16	52
Guidelines for final survey of decommissioned nuclear facility.	
RB-124-16	63
Guidelines for administrative oversight as part of organisation's system	
of control and accounting of radioactive material and radioactive	
waste. <b>RB-119-17</b>	73

#### **DRAFT REGULATIONS**

Safety rules for decommissioning of plutonium production	
uranium-graphite reactors. <b>NP-007-XX</b>	34

#### INTERNATIONAL INFORMATION

List of international documents approved in 2016-2017 ......**105** 

### REFERENCE INFORMATION

30th Anniversary of "Scientific and	d Engineering Centre
for Nuclear and Radiation Safety	"107