

HEAD OF THE STATE NUCLEAR POWER SAFETY INSPECTORATE

**ORDER APPROVING NUCLEAR SAFETY REQUIREMENTS BSR-1.1.7-2023
"CONTINUOUS SUPERVISION OF NUCLEAR FACILITIES BY AUTHORISED STAFF
OF THE STATE NUCLEAR POWER SAFETY INSPECTORATE"**

2 February 2023 No. 22.3-12
Vilnius

Pursuant to Article 28(2) of the Republic of Lithuania Law on Nuclear Safety, I hereby:

1. Approve the Nuclear Safety Requirements BSR-1.1.7-2023 "Continuous supervision of nuclear facilities by authorised staff of the State Nuclear Power Safety Inspectorate" (attached).
2. Establish that this Order shall enter into force on 1 May 2023.

Head

Michail Demčenko

APPROVED by
Order No. 22.3-12 of the Head of
the State Nuclear Power Safety
Inspectorate of 2 February 2023

**NUCLEAR SAFETY REQUIREMENTS
BSR-1.1.7-2023**

**CONTINUOUS SUPERVISION OF NUCLEAR FACILITIES BY AUTHORISED STAFF
OF THE STATE NUCLEAR POWER SAFETY INSPECTORATE**

**CHAPTER I
GENERAL PROVISIONS**

1. The Nuclear Safety Requirements BSR-1.1.7-2023 "Continuous supervision of nuclear facilities by authorised staff of the State Nuclear Power Safety Inspectorate" (hereinafter referred to as the "Requirements") shall establish the procedure for the continuous supervision of nuclear facilities (hereinafter referred to as "NFs") carried out by the State Nuclear Power Safety Inspectorate (hereinafter referred to as "VATESI"), provided for in the provisions of the Article 28(2) of the legal act referred to in subparagraph 3.2 of these Requirements.

2. This procedure shall be followed for the continuous supervision of the NFs, other than the Maišiagala radioactive waste storage facility, managed or planned to be managed by the applicant for the licences referred to in paragraphs 1 to 5 of Article 22(1) of the legal act referred to in subparagraph 3.2 of the Requirements, or by the holder of these licences (hereinafter referred to as the "organisation").

**CHAPTER II
REFERENCES**

3. The Requirements contain references to the following legislation:

- 3.1. Republic of Lithuania Law on Nuclear Energy;
- 3.2. Republic of Lithuania Law on Nuclear Safety;
- 3.3. Republic of Lithuania Law on Radiation Safety;
- 3.4. Republic of Lithuania Law on Public Administration;
- 3.5. Republic of Lithuania Law on Safety and Health at Work;
- 3.6. Republic of Lithuania Law on Environmental Protection;
- 3.7. Republic of Lithuania Law on Fire Safety;
- 3.8. Republic of Lithuania Law on Civil Protection;

3.9. Nuclear Safety Requirements BSR-1.8.2-2015 "Description of the category of modifications of a nuclear facility and the procedure for performing modifications", approved by Order No. 22.3-99 of the Head of VATESI of 7 October 2011 approving the Nuclear Safety Requirements BSR-1.8.2-2015 "Description of the category of modifications of a nuclear facility and the procedure for performing modifications";

3.10. Nuclear Safety Requirements BSR-1.9.2-2018 "Determination and application of out-of-control levels of radionuclides for materials and wastes generated during nuclear activities with sources of ionising radiation", approved by Order No. 22.3-90 of the Head of VATESI of 27 September 2011 approving Nuclear Safety Requirements BSR-1.9.2-2018 "Determination and application of out-of-control levels of radionuclides for materials and wastes generated during nuclear activities with sources of ionising radiation";

3.11. Nuclear Safety Requirements BSR-1.4.3-2017 "Human resources of organisations carrying out licensed activities in the sphere of nuclear power", approved by the Order No. 22.3-160 of the Head of VATESI of 20 September 2017 approving the Nuclear Safety Requirements BSR-

1.4.3-2017 "Human resources of organisations carrying out licensed activities in the sphere of nuclear power";

3.12. Nuclear Safety Requirements BSR-1.1.4-2017 "Description of the procedure for the application of sanctions by the State Nuclear Power Safety Inspectorate", approved by Order No. 22.3-106 of the Head of VATESI of 24 October 2011 approving the Nuclear Safety Requirements BSR-1.1.4-2017 "Description of the procedure for the application of sanctions by the State Nuclear Power Safety Inspectorate";

3.13. Nuclear Safety Requirements BSR-1.1.3-2016 "Inspections by the State Nuclear Power Safety Inspectorate", approved by Order No 22.3-82 of the Head of VATESI of 25 August 2011 approving the Nuclear Safety Requirements BSR-1.1.3-2016 "Inspections by the State Nuclear Power Safety Inspectorate";

3.14. Nuclear Safety Requirements BSR-1.4.4-2019 "Use of experience of persons operating in the nuclear power sector", approved by Order No. 22.3-148 of the Head of VATESI of 4 July 2019 approving the Nuclear Safety Requirements BSR-1.4.4-2019 "Use of experience of persons operating in the nuclear power sector";

3.15. Nuclear Safety Requirements BSR-1.8.11-2021 "Electric power supply to a nuclear facility", approved by Order No. 22.3-118 of the Head of VATESI of 23 July 2021 approving the Nuclear Safety Requirements BSR-1.8.11-2021 "Electric power supply to a nuclear facility";

3.16. Nuclear Safety Requirements BSR-1.4.1-2016 "Management System", approved by Order No. 22.3-56 of the Head of VATESI of 21 June 2010 approving the Nuclear Safety Requirements BSR-1.4.1-2016 "Management System".

CHAPTER III DEFINITIONS

4. For the purposes of the Requirements, the terms "nuclear facility", "nuclear facility site" and "physical security" shall have the meanings defined in the legal act referred to in subparagraph 3.1 of the Requirements.

5. For the purposes of the Requirements, the terms "nuclear safety", "normative technical documents on nuclear safety", "safety-important structures, systems and components of a nuclear facility" and "unusual event" shall have the meanings defined in the legal act referred to in subparagraph 3.2 of the Requirements.

6. For the purposes of the Requirements, the term "radiation safety" shall have the meaning defined in the legal act referred to in subparagraph 3.3 of the Requirements.

7. For the purposes of the Requirements, the term "supervision of the activities of economic entities" shall have the meaning defined in the legal act referred to in subparagraph 3.4 of the Requirements.

8. For the purposes of the Requirements, the term "safety and health at work" shall have the meaning defined in the legal act referred to in subparagraph 3.5 of the Requirements.

9. For the purposes of the Requirements, the term "environmental protection" shall have the meaning defined in the legal act referred to in subparagraph 3.6 of the Requirements.

10. For the purposes of the Requirements, the term "fire safety" shall have the meaning defined in the legal act referred to in subparagraph 3.7 of the Requirements.

11. For the purposes of the Requirements, the term "civil protection" shall have the meaning defined in the legal act referred to in subparagraph 3.8 of the Requirements.

12. For the purposes of the Requirements, the term "maintenance" shall have the meaning defined in the legal act referred to in subparagraph 5 of the Requirements.

13. For the purposes of the Requirements, the terms "safety culture" and "security culture" shall have the meanings defined in the legal act referred to in subparagraph 3.16 of the Requirements.

CHAPTER IV

CONCEPT OF CONTINUOUS SUPERVISION OF NFs AND THE FUNCTIONS OF PERMANENT AUTHORISED STAFF OF THE VATESI SUPERVISION DIVISION

14. The continuous supervision of NPFs (hereinafter referred to as "continuous supervision") shall be carried out by permanent authorised staff of the VATESI Surveillance Division, appointed in accordance with Chapter V of the Requirements, whose permanent place of work is located on the site of the NF operated or planned to be operated by the organisation (hereinafter referred to as "authorised staff").

15. Continuous supervision shall mean supervision of the activities of the organisation as an economic entity by authorised staff during the normal working hours of the organisation, and at any other time if necessary, visiting the sites and premises of NFs operated or planned to be operated by the organisation, for the purposes of supervision.

16. The purpose of continuous supervision is to assess the compliance of the organisation's supervised activities referred to in paragraph 17 of the Requirements with the requirements of the normative technical documents on nuclear safety.

17. Authorised staff shall carry out continuous supervision in the following areas (hereinafter referred to as "supervised activities"):

17.1. installation, commissioning, operation and maintenance of technological installations for activities involving nuclear or nuclear fuel cycle materials and equipment related to the operation of such installations;

17.2. dismantling of installations as part of NF decommissioning;

17.3. radioactive waste management;

17.4. radiation safety measures and their use, emergency preparedness measures and their use;

17.5. actions by NF staff in the course of activities involving nuclear or nuclear fuel cycle materials;

17.6. certification of NF staff;

17.7. safety and security culture;

17.8. implementation of technical and organisational measures for the physical security system;

17.9. in the area of implementation of the international non-proliferation commitments undertaken by the Republic of Lithuania, the implementation of measures to implement these commitments.

18. Authorised staff shall have the right, in the course of continuous supervision, without prejudice to the principles of supervision of the activities of economic entities as laid down in the legal act referred to in subparagraph 3.4 of the Requirements, to:

18.1. access to NF control rooms, operating rooms and other premises and areas related to the activities under supervision;

18.2. review operating logs and other paper or electronic documents and records used in the course of supervised activities;

18.3. visual observation of the activities of the organisation and/or the staff of the organisation's suppliers in the course of the supervised activities, including testing, maintenance and safety-related measurements of NF installations;

18.4. visually inspect the installations used for, or related to, the activity being supervised;

18.5. monitor the organisation's technological processes;

18.6. communicate with the staff of the organisation and/or the organisation's suppliers on safety issues related to the activities they supervise.

19. Authorised staff shall also:

19.1. review and coordinate the organisation's operational documentation in accordance with the procedures set out in Chapter VI of the Requirements;

19.2. coordinate the documentation of NF modifications in accordance with the procedures laid down in the legal act referred to in subparagraph 3.9 of the Requirements;

19.3. in accordance with the procedure laid down in paragraph 22 of the legal act referred to in subparagraph 3.10 of the Requirements, coordinate the removal of the consignment(s) of materials or waste provided by the organisation and the certificates of measurement of the radionuclide activity concentration or surface activity of the consignment of materials or waste to be removed;

19.4. in accordance with paragraph 79 of the legal act referred to in subparagraph 3.11 of the Requirements, participate in the certification of staff working in safety-important positions in the organisation;

19.5. represent VATESI and accompany inspectors from the International Atomic Energy Agency and the European Atomic Energy Community during their inspections, as necessary.

20. In the procedure for recording and reporting unusual events, to be established by the organisation in accordance with paragraph 22 of the legal act referred to in subparagraph 3.14 of the Requirements, the organisation shall provide for the notification of the authorised staff at the NFs under its control in the case of unusual events.

21. Authorised staff shall comply with the provisions of Article 12(6) of the legal act referred to in subparagraph 3.2 of the Requirements in the context of their continuous supervision.

22. In the context of continuous supervision, authorised staff shall not interfere with the work of the staff of the organisation or its suppliers or otherwise disrupt the organisation's operations beyond what is necessary to achieve the aims of supervision.

23. The presence of authorised staff in the organisation's processes, installation, maintenance and testing of installations and safety-related measurements does not reduce the organisation's responsibility for safety.

24. An authorised staff member, in accordance with Article 6(4) of the legal act referred to in subparagraph 3.2 of the Requirements, shall have the right to instruct the representatives of the organisation to terminate a violation which, if not terminated, may cause harm to NF staff members, residents, their property and/or the environment by reason of hazardous exposure to ionising radiation.

25. If, in the course of their continuous supervision, the authorised staff find non-compliances of the supervised activities with the normative technical documents on nuclear safety, they shall apply sanctions in accordance with the procedure laid down in the legal act referred to in subparagraph 3.12 of the Requirements.

26. In addition to the actions referred to in paragraph 18 of the Requirements, authorised staff shall also carry out or participate in inspections of the activities of the economic entity, alone or together with other VATESI staff members, under the procedures laid down in the legal act referred to in subparagraph 3.13 of the Requirements.

27. Authorised staff may also inform the organisation's staff or management of any possible breaches of health and safety at work, environmental protection, fire safety or civil protection requirements.

CHAPTER V APPOINTMENT AND NOTIFICATION OF AUTHORISED STAFF

28. The Head of VATESI shall appoint authorised staff, defining the VATESI structure and positions. VATESI shall notify the organisation in writing within 3 working days of the appointment of a new authorised staff member or of any other changes in the authorised staff.

CHAPTER VI COORDINATION OF OPERATIONAL DOCUMENTS

29. Authorised staff shall review and evaluate operational documents (technical orders, decisions, inspection schedules related to safety systems, and operating instructions for safety systems) or amendments thereto submitted by the organisation, within the competence of the VATESI Supervision Division.

30. The Head of the VATESI Surveillance Division shall take a decision on the approval of the operating documents or amendments thereto submitted by the organisation in accordance with the procedure and within the time limits set out in Article 34(2) of the legal act referred to in subparagraph 34.2 of the Requirements. The documents or amendments thereto shall be harmonised if they are in conformity with the normative technical documents on nuclear safety, NF design documents and documents supporting the safety of NPF.

CHAPTER VII FINAL PROVISIONS

31. Any person who violates these Requirements shall be liable in accordance with the procedure established by the laws of the Republic of Lithuania.
