

# **HEAD OF THE STATE NUCLEAR POWER SAFETY INSPECTORATE**

## **ORDER ON THE APPROVAL OF THE NUCLEAR SAFETY REQUIREMENTS BSR-1.3.1-2020 “ENFORCEMENT OF EMERGENCY PREPAREDNESS IN NUCLEAR INSTALLATIONS”**

/ /2020 No. 22.3-  
Vilnius

Pursuant to Article 22 Part 1 Clause 3 of the Law on Nuclear Energy of the Republic of Lithuania, Article 4 Clause 4, Article 11 Clause 1, Article 23 Part 1, Article 38 Parts 5-8 of the Law on Nuclear Safety of the Republic of Lithuania, Article 19 Part 3 of the Law on Radioactive Waste Management of the Republic of Lithuania:

1. I hereby approve the Nuclear Safety Requirements BSR-1.3.1-20 “Enforcement of Emergency Preparedness in Nuclear Installations” (enclosed hereto).

2. I hereby acknowledge as obsolete the Order No. 22.3-107 of 24 October 2008 of Head of the State Nuclear Power Safety Inspectorate “Regarding the Approval of the Requirements for Emergency Preparedness of an Organisation Operating a Nuclear Installation” with all its changes and additions.

3. I hereby determine that this Order shall enter into force from 1 May 2020.

Head

Michail Demčenko

Prepared by

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APPROVED  
by the Order No. 22.3-  
of / /2020  
of Head of the State Nuclear Power  
Safety Inspectorate

**NUCLEAR SAFETY REQUIREMENTS**  
**BSR-1.3.1-2020**  
**“ENFORCEMENT OF EMERGENCY PREPAREDNESS IN NUCLEAR**  
**INSTALLATIONS”**

**CHAPTER I**  
**GENERAL PROVISIONS**

1. The Nuclear Safety Requirements BSR-1.3.1-2020 “Enforcement of Emergency Preparedness in Nuclear installations” (hereinafter - the Requirements) shall determine the requirements for the functions and infrastructure of the emergency preparedness of nuclear installations (hereinafter – the NI).

2. The Requirements shall be applied to Licence-Holders (hereinafter – the Licence-Holder) indicated in Article 22 Part 1 Clauses 1-5 of the legislation laid down in Subclause 4.2. of the Requirements.

3. Subclauses 14.3, 24.1, 24.5, 24.7, 24.12 of the Requirements shall not be applied to the Licence-Holders in cases when the NI, including the closed radioactive waste disposal facility, is attributed to Emergency Preparedness Category III when performing the analysis of the consequences of possible nuclear and radiological emergencies in a nuclear installation indicated in Article 30 Part 3 Clause 4 of the legislation laid down in Subclause 4.1 of the Requirements.

**CHAPTER II**  
**REFERENCES**

4. The Requirements contain references to the following legislation:

4.1. the Law on Nuclear Energy of the Republic of Lithuania;

4.2. the Law on Nuclear Safety of the Republic of Lithuania;

4.3. the Law on Civil Protection of the Republic of Lithuania;

4.4. the State Resident Protection Plan in Case of Nuclear or Radiological Accident approved by the Decision No. 99 of 18 January 2012 of the Government of the Republic of Lithuania “Regarding the Approval of the State Resident Protection Plan in Case of Nuclear or Radiological Accident”;

4.5. the Lithuanian Hygiene Standard HN 73:2018 “The Main Standards of Radiation Protection” approved by the Order No. 663 of 21 December 2001 of the Minister of Health of the Republic of Lithuania “Regarding the Approval of the Lithuanian Hygiene Standard HN 73:2018 “The Main Standards of Radiation Protection””;

4.6. the Lithuanian Hygiene Standard HN 99:2019 “Resident Protection after Nuclear or Radiological Accident” approved by the Order V-1040 of 7 December 2011 of the Minister of Health of the Republic of Lithuania “Regarding the Approval of the Lithuanian Hygiene Standard HN 99:2019 “Resident Protection after Nuclear or Radiological Accident””;

4.7. the Nuclear Safety Requirements BSR-1.9.3-2016 “Radiation Protection in Nuclear Installations” approved by the Order No. 22.3-95 of 6 October 2011 of Head of the State Nuclear Power Safety Inspectorate (hereinafter – the VATESI) “Regarding the Approval of the Nuclear Safety Requirements BSR-1.9.3-2016 “Radiation Protection in Nuclear Power Objects””;

4.8. the Nuclear Safety Requirements BSR-1.5.1-2019 “Decommissioning of Nuclear Installations” approved by the Order No. 22.3-216 of 30 November 2015 of Head of the VATESI “Regarding the Approval of the Nuclear Safety Requirements BSR-1.5.1-2019 “Decommissioning of Nuclear Installations””;

4.9. the Nuclear Safety Requirements BSR-2.1.2-2010 “General Requirements for Ensuring Safety at Nuclear Power Plants with Type RBMK-1500 Reactors” approved by the Order No. 22.3-16 of 5 February 2010 of Head of the VATESI “Regarding the Approval of Nuclear Safety Requirements BSR-2.1.2-2010 “General Requirements for Ensuring Safety at Nuclear Power Plants with Type RBMK-1500 Reactors””;

4.10. the Nuclear Safety Requirements BSR-1.4.4-2019 “Use of the Experience of Persons Operating in Nuclear Power Sector” approved by the Order No. 22.3-148 of 4 July 2019 of Head of the VATESI “Regarding the Approval of the Nuclear Safety Requirements BSR-1.4.4-2019 “Use of the Experience of Persons Operating in Nuclear Power Sector””;

4.11. the Requirements of Nuclear Safety BSR-1.4.3-2017 “Human Resources of Organisations Implementing Licensed Activity in Nuclear Power Field” approved by the Order No. 22.3-160 of 20 September 2017 of Head of the VATESI “Regarding the Approval of the Requirements of Nuclear Safety BSR-1.4.3-2017 “Human Resources of Organisations Implementing Licensed Activity in Nuclear Power Field””.

### **CHAPTER III DEFINITIONS**

5. The Requirements contain the following concepts:

5.1. **Employee eliminating a nuclear and (or) radiological accident and incidents** (hereinafter – the Employee Eliminating the Emergency) – a person performing the tasks of eliminating a nuclear and (or) radiological accident and incidents and their consequences, including the employees of civil protection system forces.

5.2. **Mitigation of the consequences of a nuclear and (or) radiological accident and incidents** (hereinafter – the Mitigation of Emergency Consequences) – actions aimed at limiting the possibility of exposure or radionuclide emission into the environment which would initiate response to the accident at NI site or off-site.

5.3. **Critical response functions** – actions including the classification of a nuclear and (or) radiological accident and incidents, and provision of information about them, initiation and management of emergency preparedness response stage, mitigation actions, protection of Employees Eliminating the Emergency, application of urgent protective actions.

5.4. **Preparedness stage** – period for the preparation of emergency preparedness measures intended for effective reduction of the consequences of a nuclear and (or) radiological accident and incidents, including the preparation of the Emergency Preparedness Plan and the Emergency Preparedness Organisation measures and competences, constant application thereof, and testing during training.

5.5. **Response stage** – period from the beginning of a nuclear and (or) radiological accident and incidents till the end of the application of emergency preparedness measures.

5.6. Other concepts used in the Requirements shall be interpreted within the meaning of the legislation indicated in Chapter II of the Requirements and other legislation regulating nuclear safety and civil protection.

## **CHAPTER IV EMERGENCY PREPAREDNESS TASKS OF THE LICENCE-HOLDER**

6. The Licence-Holder must ensure the prevention of nuclear and (or) radiological accidents and incidents (hereinafter – the Emergency), and, should they occur, must ensure the immediate readiness to:

6.1. implement the measures in order to restore the NI to the state ensuring long-term safety function performance (hereinafter – the Safe State);

6.2. protect the people at the NI and its sanitary protection zone;

6.3. mitigate the consequences of the Emergency;

6.4. classify the Emergency;

6.5. report the emergency to the VATESI and, in accordance with the legislation laid down in Subclause 4.4. of the Requirements, other state and municipal authorities and institutions participating in the response to the Emergency;

6.6. obtain assistance from civil protection system forces and apply measures to eliminate the Emergency;

6.7. acquire necessary services, works and (or) means from individuals and (or) legal entities outside the NI site for mitigating the consequences of the Emergencies and eliminating the consequences of the Emergencies;

6.8. implement the monitoring of contamination with radionuclides at the NI and its sanitary protection zone.

7. The Licence-Holder must have the means and human resources for the implementation of emergency preparedness tasks indicated in Clause 6 of the Requirements.

8. The Licence-Holder must form the Emergency Preparedness Organisation for the implementation of functions determined in Chapter V of the Requirements.

## **CHAPTER V REQUIREMENTS FOR THE FUNCTIONS OF THE EMERGENCY PREPAREDNESS ORGANISATION**

### **SECTION ONE EMERGENCY MANAGEMENT ACTIONS**

9. In order to ensure the Emergency management actions, the Licence-Holder must:

9.1. determine the criteria for the beginning and the end of the response stage;

9.2. have the procedures, measures, and human resources ensuring the transition from a normal operation of the NI or the decommissioning, and the actions for the maintenance of radioactive waste disposal facility to the Emergency management and elimination actions;

9.3. ensure the implementation of safety functions during the Emergency management;

9.4. ensure the Safe State of other NI located at the NI site, where the Emergency occurred, and the Safe State of the activities implemented at the NI site, where the Emergency occurred, and not impacted by the Emergency;

9.5. ensure the operation of physical security functions and systems related to physical security during the Emergency;

9.6. ensure the coordination of the actions implemented by the employees of all NI s, civil protection system forces, and other organisations who respond to the Emergency at the NI site territory and its sanitary protection zone;

9.7. determine the functions and resources intended for the implementation of those functions of all NI Employees Eliminating the Emergency, and determine what civil

protection system forces shall be needed;

9.8. ensure the management of Emergency in case the Emergency occurs at the same time in several NIs and (or) several facilities of the same NI owned by the Licence-Holder.

## **SECTION TWO CLASSIFICATION OF EMERGENCIES AND EARLY NOTIFICATION**

10. In order to ensure the classification of Emergencies, the notification of state and municipal authorities and institutions, and the initiation of the Licence-Holder's Emergency Preparedness Organisation actions, the Licence-Holder must:

10.1. have the procedures and measures for classifying Emergencies;

10.2. have the procedures and measures which, having classified the Emergency, allow immediate initiation of emergency response actions and notification of the VATESI and other state and municipal authorities and institutions participating in the response to the Emergency;

10.3. test out the measures and procedures of the notification of the VATESI and other state and municipal authorities and institutions participating in the response to the Emergency;

10.4. determine the emergency action levels and response actions for each Emergency class;

10.5. have the procedures and measures intended for constant assessment of Emergency course and, should the circumstances change – reclassification of the Emergency;

10.6. have the procedures on how to immediately summon the members of the Licence-Holder's Emergency Preparedness Organisation in accordance with the initial notification about the Emergency;

10.7. prepare the forms for the provision of initial notification about the Emergency and the provision of additional notifications to the VATESI.

11. Emergency action levels must be determined in consideration of all initial events determined in the NI Safety Analysis Report and the Report on the Consequences of Possible Nuclear and Radiological Emergencies at a Nuclear Installation.

## **SECTION THREE MITIGATION OF THE CONSEQUENCES OF THE EMERGENCY**

12. In order to ensure the mitigation of the consequences of the Emergency, the Licence-Holder must:

12.1. prepare the methods and measures for determining the cause and the consequences of the Emergency;

12.2. prepare the procedures and measures which would prevent the development of the Emergency and restore the NI to the Safe State;

12.3. prepare the procedures intended for the mitigation of the consequences of the Emergency at the site of the Emergency, avoidance of an uncontrollable radionuclide emission into the environment, or, if not possible to do so, reduction thereof;

12.4. prepare the procedures and measures intended for avoiding or reducing the exposure of the NI employees, the Employees Eliminating the Emergency, and the residents;

12.5. determine the means of connection between the NI divisions participating in the response to the Emergency and have the suitable measures. The Licence-Holder must ensure the operation of such means of connection in a case of the Emergency;

12.6. determine in the Emergency Preparedness Plan how and when the Employees Eliminating the Emergency and other civil protection system forces and measures to eliminate the Emergency shall be used, how they shall be informed of the current Emergency, its circumstances, posed threat to health, and how they shall be able to enter the NI;

12.7. determine how and when the services, works and (or) measures for managing the

Emergencies, mitigating the consequences of the Emergencies, and eliminating the consequences of Emergencies acquired from the individuals and (or) legal entities outside the NI site shall be used;

12.8. prepare the locations for the decontamination of the employees and the Employees Eliminating the Emergency, choose the methods and resources for decontamination.

13. The measures for mitigating the consequences of the Emergency must be selected in consideration of all possible negative conditions generated by possible natural or human activity-caused events inside and outside the NI site (hereinafter – the External Threats) and the Emergencies at the NI, including the Emergencies at separate NIs at the same time, which could limit the efficiency of the application of these measures or influence them.

#### **SECTION FOUR URGENT PROTECTIVE ACTIONS**

14. In order to ensure the planning of measures intended for urgent protective actions, the Licence-Holder must:

14.1. have the procedures and measures intended for an expeditious identification of initial events at the NI, ways of exposure and radioactive and other hazardous substance emission, radiological conditions at the NI and, in cases under Subclause 14.3 of the Requirements, outside its sanitary protection zone, identify any actual or potential exposure of the NI employees, the Employees Eliminating the Emergency, and the residents;

14.2. determine the possibility to use the information under Subclause 14.1 of the Requirements when mitigating the consequences of Emergency, classifying the Emergency, intending the application of protective actions at the NI and, in cases under Subclause 14.3 of the Requirements, outside its sanitary protection zone, identifying persons injured by ionising radiation who are in need of medical assistance;

14.3. ensure that, depending on the Emergency class, the Licence-Holder shall immediately provide preliminary recommendations on the application of urgent protective actions with respect to the residents to state authorities and institutions as well as municipal authorities and institutions falling within the scope of precautionary action zone and urgent protective action planning zone before the Ministry of Health of the Republic of Lithuania provides any recommendations about the application of urgent protective actions with respect to the residents;

14.4. determine ways and have measures for warning the persons at the NI and their sanitary protection zones about the Emergency and applying urgent protective actions;

14.5. determine the gathering locations of persons at the NI where radiological monitoring shall be performed during the response stage;

14.6. to prepare evacuation routes at the NI premises and site which would allow the NI employees and other persons legally situated at the NI to retreat from the NI premises and site in case of the Emergency. These routes must be well-maintained (e.g. there cannot be any external objects which would obstruct the movement of the people), marked, enlightened, and ventilated so as people could easily and safely use them any time of the day;

14.7. ensure the provision of first aid to the injured at the NI and its sanitary protection zone as well as the implementation of urgent protective actions;

14.8. ensure the means of communication intended for the provision of information about the implementation of urgent protective actions during the Emergency to people at the NI and its sanitary protection zone;

14.9. determine the criteria for the discontinuation of each urgent protective action.

#### **PARAGRAPH FIVE PROTECTION OF THE EMPLOYEES ELIMINATING THE EMERGENCY**

15. In order to ensure the protection of the Employees Eliminating the Emergency, the Licence-Holder must:

15.1. have employees needed for the implementation of protective actions at the NI, ensuring the protection of the said employees from ionising radiation, and mitigating the consequences of Emergency;

15.2. determine the procedure for the notification of the Employees Eliminating the Emergency about exposure risk and the effect of ionising radiation;

15.3. assess and determine the conditions hazardous to health in which the Employees Eliminating the Emergency at the NI and its sanitary protection zone may implement response functions;

15.4. determine the procedure for the control and assessment of radiation doses received by the Employees Eliminating the Emergency which would allow controlling the radiation doses received by the Employees Eliminating the Emergency during the Emergencies and discontinuing their activity in the Emergency elimination tasks, the implementation of which may expose them to additional exposure in the event the limits or radiation doses stipulated by the legislation indicated in Subclause 4.5 of the Requirement are exceeded;

15.5. determine the procedure on how to inform the Employees Eliminating the Emergency about the radiation doses received when responding to the Emergency and their possible effect on health;

15.6. have the measures intended for ensuring medical and psychological assistance for the Employees Eliminating the Emergency;

15.7. have the means intended for ensuring the cooperation related to emergency preparedness with entities located in the sanitary protection zone of the NI, including the implementation of general training and exercises;

15.8. have the measures ensuring the notification of entities located in the sanitary protection zone of the NI in case of the Emergency at the NI and the provision of recommendations on the application of urgent protective actions;

15.9. train the Employees Eliminating the Emergency to respond to and eliminate the Emergencies;

15.10. prior to the initiation of tasks of response to the Emergency, provide the instructions and training on how to implement the appointed functions for those Employees Eliminating the Emergency who were not included into the Licence-Holder's lists of Employees Eliminating the Emergency during the preparedness stage;

15.11. have the measures ensuring the protection of the Employees Eliminating the Emergency who implement the response functions from conditions hazardous to health, and to provide them with means intended for reducing the exposure of the Employees Eliminating the Emergency;

15.12. inspect the preparedness of the Employees Eliminating the Emergency for the implementation of the appointed functions at the frequency determined by the Licence-Holder.

## **SECTION SIX**

### **ENSURING MEDICAL ASSISTANCE TO PERSONS AT THE NI AND ITS SANITARY PROTECTION ZONE**

16. In order to ensure medical assistance to persons at the NI and its sanitary protection zone, the Licence-Holder must:

16.1. ensure the existence of the means and resources of first aid provision to persons injured (contaminated with radioactive substances, affected by radiation, or wounded) at the NI and its sanitary protection zone;

16.2. have or plan a possibility to use the means of transport with expedition in order to

transport the injured from the NI and its sanitary protection zone;

16.3. have locations for transporting and treating persons contaminated with radioactive substances, affected by radiation, and (or) injured;

16.4. when the measures and resources under Subclause 16.1 of the Requirements are not sufficient, plan a possibility to use them with expedition from treatment institutions.

## **SECTION SEVEN COMMUNICATION WITH THE SOCIETY AND THE MEDIA**

17. In order to ensure the communication with the media and the residents, the Licence-Holder must:

17.1. provide information to the residents about the measures intended in the NI Emergency Preparedness Plans which may possibly have an impact of the usual life conditions;

17.2. ensure the provision of information to the media during the Emergency;

17.3. have the information provision means ensuring the provision of information even in the event of severe accidents when usual means of communication are damaged due to the External Threats (e.g. earthquake, flood);

17.4. ensure that the classified information is not made public;

17.5. coordinate the provision of information to the residents and the media together with the State Extreme Situation Operation Centre;

17.6. have the measures ensuring the provision of clear and comprehensible information to the residents and the media;

17.7. have the measures intended for the identification of misleading information and rumour management.

## **SECTION EIGHT RADIOACTIVE WASTE MANAGEMENT**

18. The Licence-Holder must be ready to handle the radioactive waste at the NI and its sanitary protection zone caused by the elimination of consequences of the Emergency and the application of protective actions.

19. The identification, recycling, and classification of the radioactive waste must be implemented in accordance with the Nuclear Safety Requirements of the VATESI applied for radioactive waste management at the NI.

## **SECTION NINE OTHER REQUIREMENTS FOR THE FUNCTIONS OF THE EMERGENCY PREPAREDNESS ORGANISATION**

20. The Licence-Holder must determine the criteria and the conditions allowing considering the Emergency at the NI is terminated.

21. In order to prevent the Emergencies, other extraordinary events important for the safety, avoid their repetition, and ensure safety at the NI and continue improving it, the Licence-Holder must systematically analyse their experience and the experience of those operating the NI or implementing the decommissioning of their operation as well as carrying out the supervision of the closed radioactive waste disposal facility in accordance with the

legislation indicated in Subclause 4.10 of the Requirements.

## **CHAPTER VI REQUIREMENTS FOR THE EMERGENCY PREPAREDNESS ORGANISATION**

### **SECTION ONE COMPETENCE AND RESPONSIBILITY OF THE EMPLOYEES OF THE EMERGENCY PREPAREDNESS ORGANISATION**

22. The Licence-Holder must determine the requirements for the competence of the employees of the Emergency Preparedness Organisation and appoint the responsibility for:

- 22.1. the coordination of the NI emergency planning;
- 22.2. the initiation and discontinuation of the emergency response stage;
- 22.3. the protection from the ionising radiation and the implementation of radiation protection measures;
- 22.4. the physical security and the implementation of respective measures;
- 22.5. the provision of information on the Emergency to the VATESI;
- 22.6. the creation and maintenance of the emergency services at the NI and the coordination of their actions;
- 22.7. the technical equipment allowing the employees who operate the NI, implement the decommissioning of the operation or maintain the closed radioactive waste disposal facility to mitigate the consequences of the Emergency;
- 22.8. the assessment of the NI condition and the environmental monitoring data;
- 22.9. the obtaining of the assistance from the civil protection system forces and the measures for the elimination of the Emergency, and the creation of the conditions for them to gain access to the NI;
- 22.10. the implementation of the functions of the manager of extreme situation operations;
- 22.11. the evacuation of persons located at the NI and its sanitary protection zones;
- 22.12. the organisation of medical assistance for persons affected by radiation, contaminated with radioactive substances, or otherwise injured;
- 22.13. the control or decontamination of employees contaminated with radioactive substances;
- 22.14. the obtaining of the assistance from the Employees Eliminating the Emergency and those who will work and (or) work in a zone contaminated with radioactive substances, the control of exposure doses, the provision of equipment designed for Emergency elimination, and personal protection means;
- 22.15. the warning of persons at the NI or its sanitary protection zone about the Emergency;
- 22.16. the provision of information to the media;
- 22.17. the planning of the actions for the transition from the response stage to the end of emergency preparedness measure application;
- 22.18. the organisation of iodine thyroid blocking for the employees in the event of the Emergency, the development of which makes it possible for radioactive iodine to spread in the NI and its sanitary protection zone;
- 22.19. the management of the Emergency elimination actions and the means how and under what criteria the management shall be transferred to another person if this must be done due to the reasons related to the Emergency.

**SECTION TWO**  
**PLANNING THE ACTIVITY OF THE EMERGENCY PREPAREDNESS**  
**ORGANISATION**

23. In order to organise the activity of the Emergency Preparedness Organisation, the Licence-Holder must:

23.1. approve the structure of the Emergency Preparedness Organisation and determine the links between the structural divisions of the Emergency Preparedness Organisation;

23.2. determine the way to coordinate the actions between the divisions of the Emergency Preparedness Organisation;

23.3. determine the functions and responsibility of each structural division of the Emergency Preparedness Organisation;

23.4. determine the way to coordinate the actions of the structural divisions of the Emergency Preparedness Organisation of the NI with state and municipal authorities and institutions participating in the response to the Emergency;

23.5. before involving an employee of the NI into the activity of the Emergency Preparedness Organisation, assess their eligibility (competence, physical and psychological capabilities) to perform the functions appointed to them at the Emergency Preparedness Organisation;

23.6. have a substitute for each member of the Emergency Preparedness Organisation who could take over their functions at the change of the shift or in a situation when the main member of the Emergency Preparedness Organisation is unable to perform their functions;

23.7. ensure that the persons performing critical response functions are not given additional functions which could reduce the efficiency of the enforcement of critical functions;

23.8. determine the structural divisions of the NI which shall participate in the elimination of the Emergency in the Emergency Preparedness Plan;

23.9. have employees situated at the NI 24 hours a day and able to immediately implement the functions of the response to the Emergency.;

23.10. have such a number of employees that would be sufficient for working 24 hours a day during the elimination of the Emergency and the elimination of its consequences if the Emergency occurs at the same time in several NIs and (or) several facilities of the same NI owned by the Licence-Holder;

23.11. ensure the effectiveness of the measures intended in the Emergency Preparedness Plan when implementing the actions indicated in it, and ensure that the resources are sufficient in the event the buildings situated in the NI site and (or) its territory are damaged or destroyed, means of communication, water and power supply are disconnected, the roads are damaged or made impassable due to the External Threats.

**SECTION THREE**  
**MATERIAL-TECHNICAL PROVISION OF THE EMERGENCY PREPAREDNESS**  
**ORGANISATION**

24. In order to ensure the material-technical provision, planning of emergency management equipment, connection systems and resources, the Licence-Holder must:

24.1. have the measures and procedures ensuring that the Emergency Preparedness Organisation is able to implement its functions when the buildings located in the NI and (or) outside its sanitary protection zone are damaged or destroyed, the means of communication, water and power supply are disturbed; the roads are damaged or made impassable;

24.2. have the procedures, the means for the accident course analysis, and computer programs for the implementation of the Emergency response functions;

24.3. have the tools, measures, reserves, equipment, connection systems, documents necessary for implementing the functions of the Emergency Preparedness Organisation;

24.4. have spare Emergency elimination equipment, alternative water and power supply systems;

24.5. ensure that the NI infrastructure designed for the response to the Emergencies could be used for the monitoring and assessment of the response to the Emergency outside the sanitary protection zone;

24.6. prior to transporting nuclear fuel cycle substances to the NI site, install the NI Emergency Management Centre for managing the Emergencies at the NI and the sanitary protection zone which could ensure the activity of the Emergency Preparedness Organisation (power supply, devices, means of communication, documents necessary for the implementation of Emergency Preparedness Plans), employee protection from ionising radiation and other consequences of the Emergency during the Emergencies, including severe (beyond design basis) accidents, and in the event of the External Threats, as well as monitoring and control of employee exposure;

24.7. provide the equipment and employees to the NI Emergency Management Centre, and determine functions for maintaining and coordinating the actions of the employees of energy unit control panel and spare control panel;

24.8. install a system allowing controlling the employee access to the Emergency Management Centre;

24.9. have the means of communication for communication between the NI divisions participating in the response to the Emergency;

24.10. determine the methods and have the equipment for assessing the course of the Emergency development and possible consequences thereof;

24.11. have the technical equipment at the NI which would allow to effectively mitigating the consequences of the Emergency and would be easily accessible to the employees;

24.12. have the measures and devices allowing to perform the analysis of soil and water samples at a stationary or mobile laboratory situated outside the urgent protective action planning zone if devices at the NI intended for performing sample analysis become non-accessible or contaminated with radioactive substances;

24.13. have the measures allowing the monitoring of the ionising radiation level inside the NI, its site, and sanitary protection zone;

24.14. have the system capable of identifying the initial events that may cause the Emergency;

24.15. have the main and redundant equipment to provide the information to the NI employees, the VATESI, other state and municipal authorities and institutions participating in the response to the Emergency, and the society during the Emergency;

24.16. have the personal protection means for the Employees Eliminating the Emergency;

24.17. ensure the readiness of means designed for emergency preparedness and make regular inspections (e.g. by performing visual inspection, checking the validity dates if such have been determined, assessing the technical condition and the compliance with the specifications determined by the manufacturers) under the procedure established by the Licence-Holder's management system documents regulating the emergency preparedness. The measures for emergency preparedness must be tested out during training;

24.18. ensure that the Emergency Preparedness Plan, all emergency preparedness instructions, reference material, documents necessary for the implementation of emergency preparedness functions are accessible in locations where these functions are implemented;

24.19. determine the procedure on how to test out the emergency preparedness measures, computer programs, and tools for anticipating possible consequences of the Emergency in order to assess their reliability and margins of error by performing the

anticipation of the consequences of the Emergency and planning the application of response actions;

24.20. have the procedures for ensuring constant inspection and maintenance of tools, measures, reserves, equipment, communication systems, documents necessary for implementing the functions of the Emergency Preparedness Organisation by ensuring that they are accessible during the Emergencies in the event the NI infrastructure collapses.

#### **SECTION FOUR TRAINING AND EXERCISES OF THE NI EMERGENCY PREPAREDNESS ORGANISATION**

25. In order to ensure the planning and implementation of training and exercising of the NI Emergency Preparedness Organisation, the qualification of the employees, the Licence-Holder must:

25.1. determine what knowledge and skills are needed for the NI employees to be prepared to respond to the Emergencies;

25.2. prepare the training and exercise programs containing the list of instructions and training, topics, and deadlines for acquiring and developing the knowledge and skills on how to respond to Emergencies and the External Threats;

25.3. ensure that the training and exercises indicated in Subclause 25.2 of the Requirements are organised at the frequency established by the Licence-Holder;

25.4. ensure that all members of the Emergency Preparedness Organisation are trained to respond to Emergencies and external events;

25.5. develop the abilities of the NI employees to act in cases of the Emergencies and the External Threats;

25.6. check the communication with natural persons or legal entities outside the NI site, the services from whom are planned to be obtained when implementing the Emergency Preparedness Plan;

25.7. check the communication with state and municipal authorities established the legislation indicated in Subclause 4.4. of the Requirements;

25.8. update the training and exercising programs in consideration of experience acquired during instructions or training;

25.9. assess the efficiency of training and exercises and apply the results for preparing and updating the training and exercising programs;

25.10. ensure that the NI employees are trained, and their ability to respond to the Emergency prior to the operation of the NI, the decommissioning of the NI, or the maintenance of the radioactive waste disposal facility is put to practical tests during the training;

25.11. ensure that the NI employees responsible for critical response functions participate in the emergency preparedness training at least once a year;

25.12. at the frequency determined by the Licence-Holder, organise the exercise for eliminating the Emergencies occurring at one Licence-Holder's NI and the Emergencies occurring at several Licence-Holder's NIs at the same time;

25.13. depending on the exercise scenario, invite the representatives of state and municipal authorities and institutions participating in the preparedness and response to the NI Emergencies together with the representatives of the society and the media.

26. The preparation, review, update of training programs shall be performed in accordance with the requirements of the legislation indicated in Subclause 4.11 of the Requirements.

27. The training methods and measures must comply with the requirements of the legislation indicated in Subclause 4.11 of the Requirements.

28. The employees not included into the Emergency Preparedness organisation shall be

trained how to behave in the event of imminent Emergency or after it has occurred in compliance with the frequency determined in the legislation indicated in Subclause 4.11 of the Requirements.

## **CHAPTER VII REQUIREMENTS FOR THE PREPARATION OF EMERGENCY PREPAREDNESS PLAN**

### **SECTION ONE GENERAL REQUIREMENTS FOR PREPARATION OF EMERGENCY PREPAREDNESS PLANS AND EMERGENCY PREPAREDNESS INSTRUCTIONS**

29. In order to obtain the license indicated in Article 22 Part 1 Clause 1 and 3 of the legislation indicated in Subclause 4.2 of the Requirements, the Applicant must prepare the initial Emergency Preparedness Plan according to the outcomes of possible analysis of consequences of nuclear and radiological emergency nuclear at NI, the results of initial safety analysis and justification, NI technical specification.

30. In order to obtain the license referred to in Article 22 Part 1 Clause 2 of the Law of legislation indicated in Subclause 4.2 of the Requirements and Clauses 1, 2 and 3 of this Article, the Applicant and the Holder of said Licenses and / or permits must prepare the final Emergency Preparedness Plan taking into account the outcomes of analysis of consequences of nuclear and radiological emergency at NI, the updated outcomes of safety analysis and justification, NI technical specification, project modifications performed during construction works of NI and according to the results of construction, system and element testing performed according to NI recognition to the right to operate the program, NI emergency operation rules of procedures and the rules of off-site emergency management guideline procedures coordinated with VATESI.

31. The Applicant shall update the final Emergency Preparedness Plan according to the outcomes of analysis of consequences of nuclear and radiological emergency at NI, final safety analysis results and justification results, NI technical specification, results of testing performed according to NI recognition of the right to operate the program using nuclear and (or) nuclear fuel cycle materials coordinated with VATESI, and the rules of off-site emergency management guideline procedures in order to obtain the permit indicated in Article 2 Part 4 Clause 4 of the legal act indicated in Subclause 4.2 of the Requirements.

32. In order to obtain the license indicated in Article 22 Part 1 Clause 4 of the legislation indicated in Subclause 4.2 of the Requirements, the Applicant must prepare the Emergency Preparedness Plan (hereinafter – NI Emergency Preparedness Plan of Decommissioning) according to the updated analysis results of possible consequences of nuclear and radiological emergency at NI, the results of decommissioning safety analysis at NI and justification, the final decommissioning plan of NI, NI technical specification and rules of the off-site emergency management guideline procedures.

33. In order to obtain the license indicated in Article 22 Part 1 Clause 5 of the legislation indicated in Subclause 4.2 of the Requirements, the Applicant must prepare the Emergency Preparedness Plan (hereinafter – Emergency Preparedness Plan for Closed Radioactive Waste Disposal Facility) according to the results of possible consequences of nuclear and radiological emergency analysis of radioactive waste management in disposal facility, results of activity safety analysis and justification, technical specification of radioactive waste management in disposal facility.

34. The Emergency Preparedness Plans indicated in Clauses 29-33 of the Requirements shall use the concepts used in legislation of the Republic of Lithuania. Where, for objective circumstances, Emergency Preparedness Plans use other concepts than used in legislation of

the Republic of Lithuania or they are defined otherwise than in legislation of the Republic of Lithuania, these concepts and definitions must be indicated in Emergency Preparedness Plans.

35. When preparing the Emergency Preparedness Plans Referred to in Clauses 29-33 of the Requirements the foreseeable conditions resulting from emergencies (e.g. ionising radiation level, chemical pollution, noise, humidity, temperature) in premises and site of NI must be taken into account.

36. The Emergency Preparedness Plans referred to in Clauses 29-33 of the Requirements must be consistent with the legislation indicated in 4.4 of the Requirements and the emergency situation management plans of the municipalities in whose territories there are nuclear installations or where can be potential harmful consequences of the Emergencies.

37. The emergency preparedness instructions must be prepared for the implementation of the provisions of the Emergency Preparedness Plans indicated in Clauses 29-33 of the Requirements including actions and measures necessary for implementation of the provisions of the Emergency Preparedness Plans.

## **SECTION TWO INITIAL EMERGENCY PREPAREDNESS PLAN**

38. The Initial Emergency Preparedness Plan must include the rules of procedure of assurance of organisational and technical measurements of emergency preparedness planned to be installed, using which the requirements for emergency preparedness raised in Chapter 5 of the Requirements shall be implemented.

39. The aim of the information provided in the Initial Emergency Preparedness Plan is to show that organisational and technical measures of planned emergency preparedness of NI shall implement the aims of emergency preparedness at NI in operating stage.

40. The structure and content of the Initial Emergency Preparedness Plan must comply with the provisions of Clause 41 of the Requirements. The preparation, coordination, approval, updating of the Initial Emergency Preparedness Plan must be regulated in the documents of management systems of the applicants and (or) the License-Holders indicated in Clause 29 of the Requirements.

41. The Initial Emergency Preparedness Plan must include:

41.1. General provisions. The following must be described in this part:

41.1.1. The emergency preparedness policy planned to be implemented which sets out the Management's intentions (goals), priorities, directions of the activity and basic principles in the field of NI's Emergency Preparedness;

41.1.2. The goals of the Initial Emergency Preparedness Plan;

41.1.3. The scope of application of Initial Emergency Preparedness Plan (list of NIs to which this plan shall be applied);

41.1.4. List of legislation of the Republic of Lithuania and regulatory technical documents of nuclear safety on the basis of which the Initial Emergency Preparedness Plan has been prepared;

41.1.5. List of emergency preparedness instructions, technical documents, and emergency service documents related to the implementation of the goals of Initial Emergency Preparedness Plan;

41.1.6. List of concepts and abbreviations used in the Initial plan;

41.2. Emergency preparedness planning. The following must be described in this part:

41.2.1. NI's emergency preparedness categories and Emergency classes;

41.2.2. List of accidents and the description of their possible consequences;

41.2.3. List of civil protection system forces outside the composition of Emergency Preparedness Organisation necessary to deal with Emergency Management, Mitigation of Emergencies and the elimination of the consequences of the Emergency, their functions in the field of preparedness and measures for elimination of the consequences of the Emergency;

41.2.4. Services, works and (or) measures necessary to be acquired from natural and (or) legal entities located outside the limits of NI sites for Emergency Management, Mitigation of consequences of the Emergency and Elimination of the consequences of the Emergency;

41.2.5. Structure, composition and function of the Emergency Preparedness Organisation. List of positions of members of Emergency Preparedness Organisation and a structural chart of Emergency Preparedness Organisation;

41.2.6. Infrastructure planned for Emergency Management (Emergency management centre, Technical support centre and other facilities for Emergency Management);

41.2.7. Assurance of exchange of information on the Emergency, its start and end within the Emergency Preparedness Organisation, between the Emergency Preparedness Organisation and emergency services and NI's personnel organisation;

41.2.8. Assurance of provision of notifications on the Emergency, its start and end to state and municipal authorities and institutions;

41.2.9. Planned Emergency management measures and resources, means of communication;

41.3. Response to the Emergencies. The following must be described in this part:

41.3.1. The assurance of the convocation of Emergency Preparedness Organisation and also provision of first notification to state and municipal authorities and institutions;

41.3.2. The assurance of organisation and coordination of Emergency management actions with state and municipal authorities and institutions;

41.3.3. The assurance of actions (damage assessment, fire extinguishing, provision of medical assistance for persons injured at NI, inclusion of emergency services) for Mitigation of consequences of the Emergency;

41.3.4. The procedure based on which the services and (or) measures would be received as indicated in Subclauses 41.2.3 and 41.2.4 of the Requirements; in case of the Emergency,

41.3.5. The actions to be taken in the event of Externals Threats;

41.3.6. The assurance of application of planned urgent protection actions for employees of NIs, provision of initial recommendations on urgent protection actions outside the sanitary protection zone limits of NIs;

41.3.7. The organisation of protection of employees eliminating the Emergency from ionising radiation;

41.3.8. The organisation of provision of information on the Emergency course and possible consequences for society and media;

41.3.9. The organisation of provision of medical and psychological assistance for persons affected by ionising radiation;

41.3.10. The system intended to detect the initial events of NIs and emission of radionuclides, to perform the Emergency classification and make a preliminary evaluation of the consequences of the Emergency;

41.3.11. The organisation of radiological surveillance;

41.3.12. The organisation of reconstruction works of the environment and infrastructure of NI;

41.3.13. The assurance of financial resources for organisation of Emergency Preparedness of NI;

41.3.14. Organisation of management of records and data related to the Response to the Emergency;

41.4. Planning of preparation to respond to the Emergencies. The following must be described in this part:

41.4.1. Assurance of implementation of preparedness stage;

41.4.2. Preparation of planned organisational and technical measures necessary to ensure the Emergency Preparedness;

41.4.3. Determination of positions, their functions and responsibilities required for Emergency management and elimination of their consequences;

41.4.4. Installation and maintenance of planned facilities for Emergency management;

41.4.5. Organisation of training and exercises for Emergency Preparedness Organisation and NI employees;

41.4.6. Installation and maintenance of Emergency Preparedness procedures established in documents of management systems;

42. The Initial Emergency Preparedness Plan shall be valid until the final approval of Emergency Preparedness Plan.

### **SECTION THREE FINAL EMERGENCY PREPAREDNESS PLAN**

43. The final NI Emergency Preparedness Plan must include the Rules of Procedure of installed organisational and technical measures of Emergency Preparedness assurance by NI, implementing the requirements for NI's Emergency Preparedness indicated in Chapter V.

44. The structure and content of the Final Emergency Preparedness Plan must comply with the provisions of Clause 41 of the Requirements. Preparation, coordination, approval, updating of the Final Emergency Preparedness Plan must be regulated in the management system documents of the Applicants and (or) the License-Holders indicated in Clause 30 of the Requirements.

### **SECTION FOUR NI EMERGENCY PREPAREDNESS PLAN OF IMPLEMENTATION OF DECOMMISSIONING**

45. The NI Emergency Preparedness Plan of implementation of Decommissioning must provide the rules of procedure of installed organisational and technical measures of Emergency Preparedness assurance implementing the requirements raised for NI Emergency Preparedness in Chapter V of the Requirements.

46. The aim of information provided in NI Emergency Preparedness Plan of Implementation of Decommissioning is to show that organisational and technical measures of Emergency Preparedness installed by NI shall implement the aims of Emergency Preparedness at the NI's decommissioning stage.

47. Preparation, coordination, approval, updating of NI Emergency Preparedness Plan of Implementation of Decommissioning must be regulated in management system documents of the Applicants and (or) the License-Holders indicated in Clause 32 of the Requirements.

48. Structure and content of NI Emergency Preparedness Plan of Implementation of Decommissioning must comply with the Requirements set out in Clause 41 of the Requirements.

### **SECTION FIVE EMERGENCY PREPAREDNESS PLAN OF THE CLOSED RADIOACTIVE WASTE DISPOSAL FACILITY**

49. Emergency Preparedness Plan of the closed radioactive waste disposal facility must include the Rules of Procedure of installed organisational and technical measures of assurance of emergency preparedness implementing the requirements raised for emergency preparedness of the closed radioactive waste disposal facility in Chapter V of the Requirements.

50. The aim of information provided in Emergency Preparedness Plan of closed radioactive waste disposal facility is to show that organisational and technical measures of emergency preparedness installed in closed radioactive waste disposal facility shall implement the aims of emergency preparedness carrying out the maintenance of closed radioactive waste disposal facility.

51. Structure and content of Emergency Preparedness Plan must comply with provisions of Clause 52 of the Requirements. Preparation, coordination, approval, updating of Emergency Preparedness Plan must be regulated in management system documents of the Applicants and (or) the License-Holders indicated in Clause 33 of the Requirements.

52. Emergency Preparedness Plan of closed radioactive waste disposal facility must include the following:

52.1. General provisions. The following must be described in this part:

52.1.1. The implemented Emergency Preparedness Policy providing Management's intentions (goals), priorities, and directions of the activity and basic principles in the field of Emergency Preparedness of closed radioactive waste disposal facility;

52.1.2. The aims of Emergency Preparedness Plan;

52.1.3. The scope of application of Emergency Preparedness Plan (list of NIs, to which this plan shall be applied);

52.1.4. List of legislation of the Republic of Lithuania and Nuclear Safety Regulatory Documents based on which the Emergency Preparedness Plan was prepared;

52.1.5. List of Emergency Preparedness instructions, technical documents, emergency service documents, related to implementation of aims of Emergency Preparedness Plan;

52.1.6. List of concepts and abbreviations used in Emergency Preparedness Plan;

52.2. Planning of Emergency Preparedness. The following must be described in this part:

52.2.1. Categories and applied Emergency classes of emergency preparedness of closed radioactive waste disposal facility;

52.2.2. List of accidents and description of possible consequences;

52.2.3. List of civil protection system forces required for Emergency management, mitigations of consequences of Emergency and Elimination of consequences of Emergency, not including the composition of Emergency Preparedness Organisation, their functions in the field of emergency preparedness and measures for Eliminating the Emergency;

52.2.4. To acquire services, works and (or) measures from natural and (or) legal entities outside the closed radioactive waste disposal facility sites for Mitigation of consequences of Emergency and Elimination of consequences of Emergency;

52.2.5. The structure, composition and functions of the Emergency Preparedness Organisations. The list of positions of members of the Emergency Preparedness Organisations and structural chart of the Emergency Preparedness Organisation are provided;

52.2.6. Infrastructure designed for emergency management (Accident Management Centre, Technical Maintenance Centre and other facilities for Accident management);

52.2.7. Organisation of exchange of information on the Emergency, its start and end in Emergency Preparedness Organisation between Emergency Preparedness Organisation and Emergency Services and organisation of assurance of closed radioactive waste disposal facility personnel;

52.2.8. Organisation of provision of notifications on the Emergency, its start and end to state and municipal authorities and institutions;

52.2.9. Emergency management measures and resources, means of communication;

52.3. Response to the Emergency. The following must be described in this part:

52.3.1. Organisation of convening of Emergency Preparedness Organisation and provision of first notifications to state and municipal authorities and institutions;

52.3.2. Assurance of organisation and coordination of Emergency management actions with state and municipal authorities and institutions;

52.3.3. Organisation of actions (damage assessment, fire extinguishing, provisions of medical assistance for persons injured in closed radioactive waste disposal facility site, inclusions of Emergency Services) for Mitigation of consequences of Emergency;

52.3.4. The procedure, upon which in case of the Emergency, if necessary, the services and (or) measures indicated in Subclauses 40.2.3 and 40.2.4 of the Requirements would be obtained;

52.3.5. The actions to be taken in the event of External Threats;

52.3.6. The application of urgent protective actions for employees of closed radioactive waste disposal facility;

52.3.7. Protection organisation of Employees Eliminating the Emergency;

52.3.8. Organisation of provision of information to the society on the Emergency course and possible consequences;

52.3.9. Provision of medical and psychological assistance to victims of ionising radiation;

52.3.10. System intended to detect the initial emergency conditions and emission of radionuclides of closed radioactive waste disposal facility, to perform Emergency classification and make a preliminary assessment of the consequences of Emergency;

52.3.11. Organisation of radiological surveillance;

52.3.12. Organisation of provision of information for media;

52.3.13. Organisation of reconstruction works of the environment and systems of closed radioactive waste disposal facility;

52.3.14. Assurance of financial resources for Emergency Preparedness Organisation of closed radioactive waste disposal facility;

52.3.15. Organisation of records and data management related to Response to the Emergency;

52.4. Planning of preparation to respond to the Emergency. The following must be described in this part:

52.4.1. Assurance of implementation of preparedness stage;

52.4.2. Preparation of organisational and technical measures to ensure the emergency preparedness;

52.4.3. Determination of positions, their functions and responsibilities required to ensure the emergency preparedness;

52.4.4. Installation and maintenance of the planned facilities for Emergency management;

52.4.5. Organisation of training and exercising of Emergency Preparedness Organisation and closed radioactive waste disposal facility personnel;

52.4.6. Installation and maintenance of management system procedures of emergency preparedness.

## **SECTION SIX**

### **TESTING PROCEDURE OF EMERGENCY PREPAREDNESS PLAN AND FINAL EMERGENCY PREPAREDNESS PLAN**

53. In order to obtain the license indicated in Article 22 Part 1 Clause 2 of the legislation indicated in Subclause 4.2 of the Requirements, The Applicant or the License-Holder applying for the permits indicated in Article 22 Part 2 Clauses 1, 2 and 3 of the legislation indicated in Subclause 4.2 of the Requirements, must organise the exercise and test out the final Emergency Preparedness Plan and prepare the report of Final Emergency Preparedness Plan testing (exercise report). The final Emergency Preparedness Plan must be tested by selecting the beyond design emergency scenario described in the final Emergency Preparedness Plan.

54. The Holder of the licenses specified in Article 22 Part 1 Clause 2 or 3 of the legislation indicated in Subclause 4.2 of the Requirements applying for the permit indicated in Article 22 Part 2 Clause 4 of the legislation indicated in Subclause 4.2 of the Requirements, must re-test the updated final Emergency Preparedness Plan indicated in Clause 31 of the Requirements during exercise and prepare the testing report (exercise report). The updated final Emergency Preparedness Plan must be tested by selecting the beyond design emergency scenario described in the updated final Emergency Preparedness Plan.

55. In order to obtain the license indicated in Article 22 Part 1 Clause 4 of the legislation indicated in Subclause 4.2 of the Requirements, The Applicant must organise the exercise and test out the NI Emergency Preparedness Plan of implementation of decommissioning and also prepare the testing report of this plan (exercise report). In order to obtain the license indicated in Article 22 Part 1 Clause 5 of the legislation indicated in Subclause 4.2 of the Requirements, the Applicant must organise the exercise and test out the Emergency Preparedness Plan of closed radioactive waste disposal facility and prepare the testing report of this plan (exercise report). Emergency Preparedness Plans indicated in said clause must be tested out by selecting the beyond design emergency scenario described in the plan.

56. After the exercise indicated in Clauses 53-55 of the Requirements, the prepared Emergency Preparedness Plan testing report (exercise report) must describe the following:

56.1. Exercise goals;

56.2. Concepts and abbreviations used in exercise report;

56.3. Course of exercise and actions made by exercise participants;

56.4. Outcomes of exercise assessment, observations, recommendations, good practice and suggestions for improvement;

56.5. Findings of the exercise.

57. The findings of the exercise must confirm that Emergency Preparedness Plan and human resources and facilities intended for its implementation are suitable to ensure the emergency preparedness and implement the organisational and technical measures of emergency preparedness.

58. Taking into account the recommendations (if any) determined during exercise, the corrective action plan designed for implementation of recommendations determined during exercise must be prepared.

59. Corrective action plan must provide the following:

59.1. Brief information on exercise report (title of exercise, date of exercise, date and number of confirmation of exercise report);

59.2. Corrective measures for implementation of recommendations determined during exercise and elimination of deficiencies;

59.3. Deadlines for implementation of corrective measures;

59.4. Individuals responsible for implementation of each corrective measure.

60. In the event of failure to identify during testing the deficiencies that could interfere the emergency preparedness and implement the organisational and technical measures of emergency preparedness, the final NI Emergency Preparedness Plan, Emergency Preparedness Plan of closed radioactive waste disposal facility and NI Emergency Preparedness Plan of implementation of decommissioning are considered appropriate.

## **SECTION SEVEN**

### **MAINTENANCE OF EMERGENCY PREPAREDNESS PLANS**

61. The final NI Emergency Preparedness Plan, Emergency Prepared Plan of closed radioactive waste disposal facility and NI Emergency Preparedness Plan of implementation of decommissioning and emergency preparedness instruction related to them must be reviewed every 3 years after their approval.

62. Emergency Preparedness Plans indicated in Clause 61 of the Requirements must be reviewed before the deadline reported in Clause 61 of the Requirements in case of changes in the operating stage or activities of NI and taking into account:

62.1. The changes in activities of NI or closed radioactive waste disposal facility;

62.2. The changes in numbers of employees acting in NI Emergency Preparedness Organisation;

62.3. Corrective measures established during operational experience analysis;

62.4. Recommendations determined during exercise;

62.5. The changes of legislation regulating the nuclear safety and radiation protection.

63. The renewed plans indicated in Clause 61 of the Requirements must be submitted to VATESI for review not later than 10 working days from the date of their renewal.

64. VATESI, in accordance with provisions of Chapter VII of the Requirements and legislation stated in Chapter II of the Requirements, shall assess the compliance of the plan with the Requirements and legislation indicated in Chapter II of the Requirements within the deadlines indicated in Article 34 Part 2 of the legislation indicated in Subclause 4.2 of the Requirements and shall provide the findings of compliance to the License-Holder.

65. The Emergency Preparedness Plans indicated in Clause 61 of the Requirements, after performing their review, in accordance with the provisions of Clause 61 and 62 of the Requirements, after review by VATESI, indicated in Clause 64 of the Requirements, shall be tested during exercise.

66. After completing the exercise, the License-Holder, not later than within 20 working days, shall prepare the testing report (exercise report) of Emergency Preparedness Plan and submit it to VATESI.

67. The information indicated in Clauses 56 and 57 of the Requirements is provided in the exercise report of the Emergency Preparedness Plan (exercise report) indicated in Clause 66 of the Requirements.

68. Taking into account the recommendations established during exercise (if any), the License-Holder shall prepare the corrective measure plan designed to implement the recommendation established during exercise in accordance with the provisions of Clause 59 of the Requirements.

69. The Corrective measure plan prepared by the License-Holder must be submitted to VATESI not later than within 10 working days after the approval of the exercise report.

70. In the event of failure to identify the deficiencies during exercise that could interfere the emergency preparedness and implementation of the organisational and technical measures of emergency preparedness, the final NI Emergency Preparedness Plan, Emergency Preparedness Plan of closed radioactive waste disposal facility and NI Emergency Preparedness Plan of implementation decommissioning are considered appropriate.

71. Following the testing of the Emergency Preparedness Plans listed in Clause 61 of the Requirements, in accordance with Clauses 52, 53, 54 and 65, the plans must be tested out at least once a year during table and (or) functional exercise, and at least every 3 years during combined full scale exercise.

72. The License-Holder must keep the emergency preparedness documents until the license of NI or radioactive waste disposal facility is revoked.

## **CHAPTER VIII FINAL PROVISIONS**

73. The Individual who shall violate these Requirements shall be liable in accordance with the procedures established in by the Law on Nuclear Safety of the Republic of Lithuania and (or) the Code of Administrative Offenses of the Republic of Lithuania.

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