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Pursuant to Article 39, paragraph 2 of the Law on Ionizing Radiation Protection and Radiation Safety ("Official Gazette of Montenegro", No. 56/09), the Ministry of Sustainable Development and Tourism has issued

POLICY

CLOSE TO THE CONDITIONS FOR OBTAINING PERMISSION TO MANAGE STORAGE OF RADIOACTIVE WASTE

("Official Gazette of Montenegro", No. 056/11 of 25.11.2011) Subject Article 1

This Rulebook prescribes more detailed conditions in terms of personnel, space and equipment for obtaining a permit for the management of a radioactive waste storage facility, the detailed content of the application and the necessary documentation to be attached to the application for obtaining a permit.

Personnel Requirements Article 2

A permit for the management of a radioactive waste storage facility is issued to a company, other legal entity or entrepreneur if it meets the following conditions in terms of personnel:

- has at least two employed persons with a university degree or completed master's degree in the field of physics or physico-chemistry with work experience of at least five years in the field of ionizing radiation protection who are qualified for the implementation of measures of protection against ionizing radiation; And
- one person with a high school diploma (electrical engineering or natural sciences) who is qualified to implement measures of protection against ionizing radiation.

Conditions for Storage Area for Radioactive Waste Article 3

The area for the storage of radioactive waste - the storage of radioactive waste should at least meet the safety and security requirements that ensure adequate protection of professionally exposed persons and the population, as follows:

- 1) to be resistant to external and internal influences and secured against access by unauthorized persons;
- 2) to be under constant video surveillance;
- 3) that access to and stay in the warehouse is under the supervision of a responsible person;
- 4) to provide a ventilation system; And
- 5) to mark the area of surveillance (control zone).

A radioactive waste repository should consist of:

- 1) the room in which the person is prepared for entering and exiting the warehouse (checkpoint);
 - 2) rooms for decontamination of the face;
 - 3) premises for the reception and treatment of radioactive waste; 4) premises for the storage of radioactive waste;
- And
- 5) rooms for the storage of closed sources of radiation.

Equipment Article 4

A radioactive waste repository shall have safety, working and protective equipment in accordance with Annex 1, which is an integral part of this Regulation.

The content of the request is Article 5

The application for obtaining a permit for the management of a radioactive waste storage facility shall include: the name and registered office of the applicant, the registration number of the applicant, the name and surname of the responsible person of the applicant and data for the safe and secure operation of the radioactive waste storage facility (Safety Report), as follows: 1) Access to the safety of the storage facility;

- 2) A description and analysis of the location of the warehouse, which includes data on:
 - demography and topography;
 - meteorology;

- hydrology; - geology; and seismics.
- 3) Technical characteristics of the warehouse:
- layout of rooms in the facility;
 - a description of the technical systems of technological processes with radioactive waste;
 - measures to be implemented to protect the environment;
 - a description of the auxiliary technical systems and storage facilities;
 - a description of the manner of keeping records in the warehouse;
 - a presentation of the measures and means to be applied for protection against ionizing radiation in the warehouse; and
 - method of maintenance, testing and inspection of the building and installed technical systems (electrical installation, lighting, water supply and sewage, ventilation, signaling and fire alarm system, video surveillance system of the interior and exterior of the building, anti-burglary system).
- 4) Warehouse security analysis with data on:
- Identification of relevant events that may affect the security of the warehouse;
 - Analysis of relevant events (scenarios) that may affect the safety of the warehouse; and - the radiological impact of storage on the population and the environment.
- 5) Description of the construction of the warehouse;
- 6) Organization of warehouse work:
- the way of organizing work in the warehouse;
 - manner with the program of supplementary training of personnel for the implementation of measures of protection against ionizing radiation;
 - the manner and procedures for the operation of the warehouse; And
 - the manner of storing documentation on radioactive waste.
- 7) Working Conditions and Restrictions:
- a way to prevent an increased risk of radiation;
 - situations in which radioactive waste will be discharged;
 - the strength of the ambient dose of ionizing radiation in the vicinity of the warehouse;
 - an assessment of the doses received for professionally exposed persons;
 - Recommended limits of exposure for professionally exposed persons to ionizing radiation (dose constraint); - the method of performing radiological control (radiological supervision);
 - characteristics of the warehouse object; And
 - Criteria for the acceptability of radioactive waste for storage.
- 8) Organization of protection against ionizing radiation:
- method of organizing protection against ionizing radiation;
 - equipment to be used in protection against ionizing radiation (measuring equipment and protective and decontamination agents);
 - program for monitoring radioactivity in the storage facility;
 - program for monitoring radioactivity around the storage facility (measurement of emissions and immissions in the environment and maintaining readiness);
 - radiological (radiation) condition in the warehouse (measurement of dose rate, contamination of both radon and offspring);
 - radiological (radiation) state of the environment;
 - the method of testing meteorological parameters;
 - procedures in case of overdosing or contamination;
 - monitoring program in case of occurrence of adverse events - emergency situations; And
 - Measurement of the degree of exposure of professionally exposed persons (personal dosimetric control).
- 9) Radioactive Waste Management Programme;
- 10) Information on radioactive waste:

- types of radioactive waste;
- the total projected and cumulative amount of radioactive waste and its activity;
- the origin of the waste to be stored; And
- for the type of packaging, geomatter and package size and characteristics of the container.

- 11) Manner and procedures for dealing with a radiation accident (planned measures in the event of a radiation accident in the warehouse);
- 12) Quality assurance for ensuring quality management of radioactive waste storage facilities with the application of international standards (Quality Assurance Program);
- 13) Manner of physical security and technical protection of radioactive waste storage facilities; 14) Method of permanent closure of the warehouse.

Documentation Article 6

The following documentation shall be submitted with the request referred to in Article 5 of this Rulebook:

- 1) Proof of registration in the Central Register of Business Entities;
- 2) a license to carry out radiation activities;
- 3) the use permit for the facility in which the radioactive waste will be stored;
- 4) Photocopy of the diploma of completed professional qualification for employees and employment contract with proof of work experience in the field of protection against ionizing radiation;
- 5) report on the medical fitness of persons working with sources of ionizing radiation;
- 6) Declaration for the equipment and proof of the correctness of the measuring equipment;
- 7) a plan of action in the event of a radiation accident in the warehouse;
- 8) report on the results of radioactivity monitoring prior to the start of operation of the storage facility, and
- 9) other documentation of importance for the safe handling of radioactive waste.

Termination of the Rules of Procedure Article 7

On the date of entry into force of this Regulation, the Decision on the preparation and content of the nuclear safety report and other documentation necessary for determining the fulfilment of nuclear safety measures ("Official Gazette of the FRY", No. 42/97), the Decision on the criteria for the assessment of the safety of a nuclear facility ("Official Gazette of the FRY", No. 2/98) and Chapter V of the Decision on the conditions for location, construction, test operation, commissioning, use and permanent cessation of operation of a nuclear facility ("Official Gazette of the FRY", No. 42/97).

Entry into force Article 8

This Ordinance shall enter into force on the eighth day from the date of its publication in the Official Gazette of Montenegro.

Number: 07-4966/5

Podgorica, November 21, 2011

Minister,

Predrag Sekulić, s.r.

Appendix 1

Equipment

Safety, Work and Protective Equipment:

1. system for the collection of liquid radioactive waste;
2. ventilation system;
3. alarm system;
4. lighting system;
5. video surveillance system;

6. backup power supply system;
7. personal protective equipment (protective overalls, cap, boots, gloves, respiratory masks);
8. movable protection;
9. boxing with gloves;
10. gamatrometer;
11. monitor the level of contamination of employees;
12. electronic personal dosimeters;
13. monitor for continuous monitoring of radiation levels in the premises;
14. portable contamination and dosimeter monitor with a set of probes for alpha, beta and gamma radiation;
15. a portable dosimeter for measuring the strength of an equivalent dose of gamma radiation, low-energy gamma radiation and X-ray;
16. portable measuring system for measuring neutron radiation;
17. air sampling system with appropriate filters and columns;
18. decontamination kits;
19. packaging for radioactive waste - barrels or containers;
20. transport container; And
21. means of transport (forklift or similar).