

REGULATION ON RADIOACTIVE WASTE AND SPENT FUEL MANAGEMENT

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On the basis of Paragraph 7 of article 93 of Act on Protection against Ionising Radiation and Nuclear Safety (Official Gazette RS, No. 102/04 – officially consolidated version) the minister of environment and spatial planning issues the

R E G U L A T I O N

on radioactive waste and spent fuel management

I. GENERAL PROVISIONS

Article 1 (content)

This regulation arranges classification of radioactive waste at regard of the level and type of radioactivity, the radioactive waste and spent fuel management, extent of reporting on radioactive waste and spent fuel generation and method and extent of keeping central records of radioactive waste and spent fuel generation, and keeping central records of radioactive waste and spent fuel stored and disposed.

Article 2 (application)

Provisions of this regulation shall apply for:

1. substances in gaseous, liquid or solid form, objects or equipment containing radioactive substances or being contaminated so they exceed clearance levels, if generated as waste from radiation practices or from intervention measures or if their holder intends or has to discard them since their further use is not foreseen or if the holder does not have a license for their use in accordance with the regulations that arrange protection against ionising radiation (hereinafter referred to as “radioactive waste”), and
2. spent fuel.

Article 3 (term definitions)

For the terms used in this regulation the following definitions shall apply:

1. “containers” are products intended to surround or contain together due to keeping and protection the radioactive waste or spent fuel in order to handle them, to deliver them or to move them when transferring them from place of origin for reprocessing, during storage or disposal. In the containers radioactive waste or spent fuel are put directly or pre-packaged;
2. “holder” means the producer of radioactive waste or spent fuel or a person in possession of radioactive waste or spent fuel;
3. “public service” means a mandatory state economical public service of radioactive waste or spent fuel management in accordance with the act that arranges protection against ionising radiation and nuclear safety;
4. “acceptance criteria for storage or disposal” are qualitatively or quantitatively expressed requirements in relation to radioactive waste or spent fuel characteristics that radioactive waste or spent fuel have to fulfil for safety of their storage or disposal;
5. “criticality” means a state of matter, when therein a stable self-sustaining nuclear chain reaction is occurring;
6. “repository” is a nuclear facility wherein radioactive waste or spent fuel is placed without the intention of further takeover;

7. “decay-keeping” means temporary keeping or containment of radioactive waste or spent fuel for a definite period in order to reduce the radionuclide activity level or their thermal power;

8. “clearance” is a procedure in accordance with the regulations that arrange radiation practices, based on which radioactive waste is no longer regulated with the regulations that arrange protection against ionising radiation;

9. “package” is the container including internal barriers or absorption material, radioactive waste or spent fuel. Package is also unpackaged bulk radioactive waste or unpackaged spent fuel;

10. “written procedures” means put down instructions according to which radioactive waste or spent fuel are managed;

11. “producer” is a person whose practice generates radioactive waste or spent fuel;

12. “transitional radioactive waste” is radioactive waste for which during less than five years of decay-keeping or storage the level of specific activity of radionuclides shall decrease to a level when the holder in accordance with the regulation that arranges radiation practices applies the clearance of radioactive waste;

13. “treatment” includes the following procedures of radioactive waste or spent fuel conditioning prior to storage, transport or disposal:

- preconditioning to prepare radioactive waste or spent fuel for conditioning;
- conditioning to alter radioactive waste or spent fuel characteristics due to technical, economic or safety reasons, and
- preparation to prepare packaged and unpackaged radioactive waste or spent fuel to a form suitable to requirements for transport, storage or disposal;

14. “reshuffling” means internal transport of radioactive waste or spent fuel on-site of the facility where practice involving radiation is carried out;

15. “management” means all organisational and physical activities carried out at keeping, reshuffling, treatment, storage or disposal of radioactive waste or spent fuel;

16. “specific surface contamination” means the activity in Bq per unit of surface;

17. “storage facility” is a nuclear facility wherein radioactive waste or spent fuel is stored for a definite time period;

18. “depot” means a space wherein the producer or the holder may temporarily keep radioactive waste until their handover to the storage facility or to the transactor of public service;

19. “residual heat” means the heat generated in radioactive waste or spent fuel due to radioactive decay.

II. CLASSIFICATION OF RADIOACTIVE WASTE

Article 4

(classification of radioactive waste)

(1) Regarding the aggregate the radioactive waste is divided into solid, liquid and gas.

(2) Solid radioactive waste is classified according to level and type of radioactivity into following categories:

1. transitional radioactive waste;

2. very low level radioactive waste (hereinafter referred to as VLLW), for which the competent regulatory body for nuclear and radiation safety (hereinafter referred to as Administration) may decide on clearance;

3. low and intermediate level radioactive waste (hereinafter referred to as LILW), for management of which their heat generation does not have to be considered, are classified into two groups:

3.1 short lived LILW, where in the radioactive waste the content of specific activity of alpha emitters with a half-life longer than 30 years shall be equal or lower than 4000 Bq/g per individual package but on average not larger than 400 Bq/g in overall amount of LILW;

3.2 long lived LILW, where specific activity of alpha emitters exceeds limitations for short lived LILW;

4. high level radioactive waste (hereinafter referred to as HLW), that contains radionuclides, whose decay generates such amount of heat, that it has to be considered in its management;

5. radioactive waste containing naturally occurring radionuclides that are produced in extraction and reprocessing of raw nuclear mineral materials or other industrial processes and are not sealed sources of radiation in accordance with the regulation that arranges use of radioactive sources and radiation practices.

III. GENERAL REQUIREMENTS FOR RADIOACTIVE WASTE AND SPENT FUEL MANAGEMENT

Article 5 (written procedures)

(1) Radioactive waste or spent fuel management shall be carried out in accordance with written procedures, the making of which shall be assured by the holder.

(2) Scope and content of the written procedures are stipulated in Annex 1, which is constituent part of this regulation.

(3) If the holder is an operator of a radiation or nuclear facility the written procedures from the first paragraph of this article shall be prepared in accordance with the holder's quality assurance programme and shall contain components stipulated in the Annex 1 of this regulation.

Article 6 (radioactive waste or spent fuel management programme)

(1) The holder, who is the operator of the radiation or nuclear facility shall assure radioactive waste or spent fuel management in accordance with a radioactive waste or spent fuel management programme (hereinafter referred to as the Programme) that shall be made in accordance with operative programmes of National programme for radioactive waste and spent fuel management.

(2) The Programme is a standalone document whose content is in accordance with the contents of safety analysis report and is made in accordance with Annex 2, which is constituent part of this regulation, and with the holder's quality assurance programme and shall comprise with information at least on:

1. organisation of activities for radioactive waste or spent fuel management including determination of responsibilities and listing of qualifications of responsible persons in accordance with the regulation that arranges conditions, that workers who are carrying out works important for safety in nuclear and radiation facilities have to fulfil;

2. the written procedures from previous article, standards and other documents according to which radioactive waste or spent fuel is managed;

3. mode of radioactive waste or spent fuel generation and their categories, types, quantities and foreseen annual quantities;

4. methods of radioactive waste or spent fuel management at the time of origin of the Programme and foreseen methods of radioactive waste or spent fuel management;

5. technical, organisational and other measures of reducing the generation of radioactive waste or spent fuel and prevention of detrimental impacts to health of the people and of radioactive contamination of living space at the time of preparation of the Programme and on foreseen similar measures in the future;

6. foreseen management at regard of radioactive waste or spent fuel handover to the transactor of public service, of their disposal, of their export or output in other member states

of the European Union (hereinafter referred to as the EU), of clearance and other management at regard of keeping records of radioactive waste or spent fuel;

7. capacities and occupancy levels of capacities for all types of radioactive waste or spent fuel managements at the time of preparation of the Programme and on foreseen capacities and occupancy levels of capacities for these types of managements in the future;

8. use, selection and planning of radioactive waste or spent fuel management where the management has to be designed so, that interdependencies of all management stages from generation to disposal of radioactive waste or spent fuel are taken into account, and

9. method of keeping records of stored or disposed radioactive waste or spent fuel and method of reporting into central records of radioactive waste and spent fuel.

(3) The Programme shall be revised at least every two years according to the procedure determined for approval of modifications in accordance with provisions of article 83 of the Act on Protection against Ionising Radiation and Nuclear Safety (Official Gazette RS, No. 102/04 – officially consolidated version; hereinafter referred to as the Act).

Article 7 (radioactive waste management plan)

(1) The holder, who is not the operator of the radiation or nuclear facility shall elaborate radioactive waste management plan.

(2) In the radioactive waste management plan the contents from the second paragraph of previous article shall be reasonably presented.

(3) The radioactive waste management plan from the first paragraph of this article shall be approved by the Administration in the procedure of issuing the license for use of radiation source.

IV. SPECIAL REQUIREMENTS FOR RADIOACTIVE WASTE OR SPENT FUEL MANAGEMENT

Article 8 (sorting)

(1) The holder shall sort radioactive waste according to their aggregation, category and type.

(2) The holder shall determine the type of radioactive waste from previous paragraph as typified definition of characteristics at regard of compressibility, volatility, solubility, combustibility, corrosiveness, and other physical, chemical and biological characteristics if they are important for further radioactive waste management.

Article 9 (treatment and packaging)

(1) Radioactive waste or spent fuel treatment shall be carried out in accordance with the radioactive waste management plan or in accordance with the Programme.

(2) Treated radioactive waste or spent fuel shall be packaged in packages suitable to the acceptance criteria for storage or disposal.

(3) Containers used for packaging of radioactive waste or spent fuel shall, itself and together with radioactive waste or spent fuel put in, assure safety for the foreseen method or for the foreseen period of package management.

(4) Containers shall fulfil also the requirements in relation to marking, records, measurements and other safety, technical and organisational requirements in accordance with the regulation that arranges the contents of the safety analysis report for nuclear and radiation facilities.

(5) Use of specific type of containers shall be approved by the Administration in the procedure of issuing the license for use of radiation source or the approval of the safety analysis report or its modification.

(6) The holder shall attach to the application for container approval a scheme and a description of the container, results of procedures and analyses, and other documentation that confirms suitability of the container for the foreseen purpose.

Article 10 (marking)

(1) All packages containing radioactive waste or spent fuel shall be equipped with a radioactivity symbol that is determined in the regulation that arranges the use of radioactive sources and radiation practices and with a mark that enables identification of the package and its content.

(2) The mark from previous paragraph shall include at least the following data:

1. uniform identification of package in legible and digital form;
2. package mass;
3. radioactive waste category;
4. type of radioactive waste;
5. maximal measured dose rate at the surface of the package.

(3) Sustainability of the symbol and the mark from the first paragraph of this article shall correspond to the foreseen management methods and shall be placed in a visible spot and clearly legible.

(4) The packages with clearance applied in accordance with the regulation that arranges radiation practices shall have the symbols and marks from the first paragraph of this article removed.

Article 11 (keeping)

(1) The holder of radioactive waste shall keep the radioactive waste in the depot until handover to the storage facility or the application of clearance.

(2) The requirements the depot shall fulfil and conditions of the keeping are determined in the regulation that arranges use of radioactive sources and radiation practices.

Article 12 (storage)

(1) Radioactive waste shall be stored in radioactive waste storage facility; spent fuel shall be stored in spent fuel storage facility.

(2) The Administration shall in the consent to construction, in the approval of trial operation and in the operational license for nuclear facility verify the fulfilment of the requirements, that storage facility and stored radioactive waste or spent fuel have to fulfil, and the storage conditions.

(3) The holder shall assure storage for all radioactive waste and all spent fuel that are not in the process of treatment, reshuffling or keeping.

(4) Storage of only radioactive waste or spent fuel that meet acceptance criteria for storage or disposal from article 19 of this regulation is permitted in the storage facility.

(5) Storage of radioactive waste or spent fuel is permitted only in the containers approved for storage.

(6) The holder shall verify with periodic inspections whether the containers suit the storage conditions. The frequency and method of the containers inspections shall be approved by the Administration in the process of safety analysis report approval.

(7) The holder shall carry out the storage of spent fuel and HLW in such way that the criticality is prevented and removal of the residual heat is assured.

(8) The holder obliged to consider international obligations regarding nuclear safeguards and control of nuclear materials shall store radioactive waste and spent fuel in such way that implementation of the obligations is enabled.

Article 13 (decay-keeping)

(1) The holder shall carry out the decay-keeping of solid, liquid or gaseous radioactive waste in radioactive waste depots or storage facilities.

(2) The holder shall carry out the decay-keeping of spent fuel in spent fuel storage facilities.

(3) Regardless of the provision of the first paragraph of this article the holder may carry out the decay-keeping of unpackaged gaseous or liquid radioactive waste in accordance with the license for use of radiation source or with the operational license for radiation or nuclear facility.

(4) The holder shall verify with periodic inspections whether the containers suit the keeping conditions. The frequency and method of the containers inspections shall be determined in the Safety analysis report.

(5) If the decay-keeping of radioactive waste or spent fuel from the first or the second paragraphs of this article is done in storage facilities then for the storage facilities the provisions from previous article are applied.

(6) If at the decay-keeping the specific activity of radionuclides contained shall decrease below clearance levels in accordance with the regulation that arranges radiation practices, the clearance shall be applied on the radioactive waste or spent fuel.

Article 14 (handover and takeover)

(1) The holder may hand over the radioactive waste or spent fuel only to the transactor of public service.

(2) The provision of previous paragraph shall not be applied for releases and for radioactive waste with clearance applied, and for radioactive waste or spent fuel that the holder exports or outputs temporarily for treatment or permanently for disposal to EU member states.

(3) The holder shall obtain from the transactor of public service the information on acceptance criteria that radioactive waste or spent fuel has to fulfil for storage or disposal.

(4) The holder shall prior to the radioactive waste or spent fuel handover to the transactor of public service deliver a copy from the holder's records of the documentation about radioactive waste or spent fuel that is important for their further management.

(5) At the takeover the holder and the transactor of public service shall document the takeover of ownership of radioactive waste or spent fuel.

(6) The holder that has handed over the radioactive waste to the transactor of public service shall notify of this the Administration within seven days.

Article 15 (reshuffling)

The holder may carry out the reshuffling of radioactive waste or spent fuel within nuclear or radiation facility in accordance with the Safety analysis report and the written procedures.

Article 16 (liquid and gaseous radioactive waste release)

(1) The radiation practice shall be carried out so that releases of liquid and gaseous radioactive waste to the environment shall not exceed approved limiting values.

(2) The Administration shall approve the limiting values from previous paragraph in the procedure of issuing the license for carrying out radiation practice or the license for use of radiation source or the approval of the safety analysis report.

(3) The holder of radioactive waste shall attend that releases of liquid and gaseous radioactive waste to the environment is controlled and minimised.

(4) The liquid and gaseous radioactive waste that is neither transitional radioactive waste nor is allowed to be released to the environment shall be treated into solid form.

Article 17 (prohibition of dilution)

Dilution of radioactive waste or division into several parts with smaller activity in order to satisfy conditions for clearance is prohibited, unless in the case of approved release of the liquid and gaseous radioactive waste from previous article.

Article 18 (disposal)

(1) Disposal of spent fuel and radioactive waste that are neither VLLW nor waste containing naturally occurring radionuclides is only allowed into radioactive waste or spent fuel repository.

(2) The fulfilment of the requirements, that the repository have to fulfil, and the disposal conditions shall be verified by the Administration in the process of issuing the construction license, the license for trial operation, operational the license for the repository and the license for its closure.

(3) Disposal of only radioactive waste or spent fuel that meets the acceptance criteria for disposal from article 19 of this regulation is permitted in the repository.

(4) Disposal of packaged radioactive waste or spent fuel is permitted only in containers approved for disposal.

(5) Disposal of packaged radioactive waste or spent fuel shall be carried out in such way that among fulfilment of other requirements the criticality is prevented and removal of the residual heat is assured.

Article 19 (acceptance criteria for storage or disposal)

(1) The acceptance criteria for storage or disposal of radioactive waste or spent fuel shall comprise of limitations for:

1. content of emitters and specific activity;
2. surface dose rate and rate at reference distances from the package surface;
3. specific surface contamination;
4. solidness;
5. leaching;
6. corrosiveness;
7. chemical stability;
8. heat generation;
9. radiation effects of degradation, i.e. material properties changes due to exposure to ionising radiation;
10. inflammability;
11. gas generation and content;
12. toxins content;
13. organic matter content that has influence on microbiological degradation;
14. free liquid content;
15. presence of chelating and other agents;
16. explosiveness;

17. combustibility;
18. corrosion resistance;
19. criticality;
20. adequacy of radioactive waste or spent fuel packages marking;
21. adequacy of radioactive waste or spent fuel containers and method of packaging.

(2) Regardless of provisions of previous paragraph the acceptance criteria for storage or disposal shall comprise of other limitations defined in the safety analysis report for specific storage facility or disposal, or limitations regarding certain characteristics from previous paragraph may be excluded from the acceptance criteria for storage or disposal if it is so determined in the safety analysis report for specific storage facility or disposal.

(3) The acceptance criteria for storage or disposal shall be determined for specific package, for storage or disposal unit and for storage facility or repository in total.

(4) The acceptance criteria for storage or disposal shall be prepared by the operator of the storage facility or the repository. The Administration shall approve them in the consent to construction, in the approval of trial operation and in the operational license for the storage facility or the repository.

Article 20

(waste from exploitation and reprocessing of raw nuclear mineral material)

(1) Mining and hydrometallurgical tailings that are produced at exploitation of nuclear mineral material and contain radioactive material above clearance level in accordance with the regulation that arranges radiation practices shall be classified into the category of radioactive waste containing naturally occurring radionuclides.

(2) Mining and hydrometallurgical tailings from previous paragraph shall be disposed at a repository for mining and hydrometallurgical tailings.

(3) The Administration shall in the consent to construction, in the approval of trial operation and in the operational license or the license for closure of the repository estimates the fulfilment of the requirements, that repository for mining and hydrometallurgical tailings has to fulfil, and the disposal conditions.

(4) Also other radioactive waste containing naturally occurring radionuclides except sealed sources may be disposed at the repository for mining and hydrometallurgical tailings.

(5) The radioactive waste containing naturally occurring radionuclides shall be managed during the operation of the facility for the reprocessing and exploitation of raw nuclear mineral material in accordance with approved safety analysis report.

Article 21

(very low level radioactive waste management)

(1) VLLW may be disposed as other waste, recycled and reused under the condition that the collective dose and effective dose to any member of the public shall not exceed the level at which the Administration in accordance with the regulation that arranges radiation practices decides on the clearance application on radioactive waste.

(2) The fulfilment of the condition from previous paragraph shall be proven for the proposed mode of disposal, recycling or reuse in the process for approval of conditional clearance in accordance with the regulation that arranges radiation practices.

V. RECORDING AND REPORTING

Article 22

(holder's records)

(1) The holder that keeps, stores, conditions or disposes radioactive waste or spent fuel and the holder that releases radioactive waste shall keep records of radioactive waste or spent fuel about:

- their keeping,
- their conditioning in the technological process,
- their storage or release,
- clearance and
- their handover to the transactor of public service.

(2) Records from previous paragraph shall for each package contain data on previous management and data important for meeting the acceptance criteria for storage or disposal and for further procedures of radioactive waste or spent fuel management.

(3) Records of releases of radioactive waste shall for each specific release contain at least data on the source, quantity of radioactive material released and data wherefrom it is possible to establish that approved release values have not been exceeded.

(4) The holder shall keep records from the first paragraph of this article in accordance with the Programme or radioactive waste management plan.

(5) The holder shall keep the documentation and data from the records on:

- keeping: for two more years after cessation of keeping,
- conditioning in the technological process: for two more years after bringing the conditioning to an end,
- storage or release: for ten more years after cessation of storage or release,
- clearance: for two more years after the clearance, and
- handover of radioactive waste or spent fuel to the transactor of public service: for two more years after the handover.

(6) The holder shall in case of bankruptcy or liquidation hand over the documentation from previous paragraph and records from first paragraph of this article to legal entity or natural person that is taking over the responsibility for further management and shall notify of this the Administration.

(7) Transactor of public service shall keep the data on disposed radioactive waste until the end of long-term control of the repository.

Article 23 (central records of radioactive waste and spent fuel)

(1) The central records of radioactive waste or spent fuel that is kept by the Administration (hereinafter referred to as: the central records) shall keep data on radioactive waste and spent fuel that:

- are to be found at holders,
- were released to the environment,
- are abroad due to treatment,
- were handed over to the transactor of public service,
- clearance was applied upon, and
- were permanently exported abroad.

(2) The central records shall also keep the annual predictions of radioactive waste generation that are foreseen to be generated during the operation of nuclear and radiation facilities and during their decommissioning.

(3) The central records shall be kept by calendar years of generation of radioactive waste or spent fuel.

(4) Format of data in the central records is determined in Annex 3, which is constituent part of this regulation, for:

1. solid and liquid radioactive waste: in Tables I. and I.a;
2. radioactive waste released to the environment: in Tables II. and II.a;
3. annual predictions of radioactive waste generation: in Tables III., III.a and III.b.

Article 24
(data forwarding to the central records)

(1) The holder of radioactive waste or spent fuel shall forward data in the central records in the format from the fourth paragraph of previous article.

(2) The Administration shall in consultancy with the holder determine at regard of data forwarding to the central records:

1. terms those are determined neither with this regulation nor with the Act and are used in the central records;

2. utilization of one of generally recognized data format in electronic form.

(3) The holder shall forward to the central records by the end of the February in electronic form a report on:

1. the state at the end of the last calendar year;

2. the changes of the radioactive waste or spent fuel inventory during the last calendar year.

(4) The holder shall attach to the report from previous article information that explain the changes of the radioactive waste or spent fuel inventory.

(5) On demand of the Administration the holder shall forward other data and documentation from records from article 22 of this regulation.

Article 25
(loss, finding)

(1) The holder shall in the case of loss or disappearance of radioactive waste or spent fuel immediately notify of this the Administration.

(2) A person that finds radioactive waste or spent fuel shall immediately notify of this the Administration and restrict the access of people to the radioactive waste or spent fuel found.

VI. TRANSITORY AND FINAL PROVISIONS

Article 26
(alignment)

(1) The holder shall within six month after the effective date of this regulation:

1. align and produce the written procedures for radioactive waste or spent fuel management from article 5 of this regulation;

2. produce the Programme from article 6 and radioactive waste management plan from article 7 of this regulation;

3. define the acceptance criteria for storage from article 19 of this regulation;

4. align the holder's records keeping with the provisions from article 22 of this regulation.

(2) Transactor of public service shall within one year after the effective date of this regulation define the acceptance criteria for disposal from article 19 of this regulation.

(3) The holder shall start the data forwarding to the central records of radioactive waste and spent fuel in accordance with article 24 of this regulation from 1 January 2007.

(4) The holder shall within one year after the effective date of this regulation start marking the newly generated packages of radioactive waste or spent fuel in accordance with article 10 of this regulation, packages generated before that term shall be equipped with marking according to this regulation if they have to be reshuffled due to radioactive waste or spent fuel management.

Article 27
(termination of validity)

With the effective day of this regulation the application of the following is terminated:

1. Regulation on the method of collecting, accounting, processing, storing, final disposal and release of radioactive waste into the environment (Official Gazette SFRY, No.40/86 and Official Gazette RS No. 67/02 and 48/04), except provision of article 20, that terminates to apply one year after the effective date of this regulation, and

2. Regulation on dangerous material which are not allowed to be released in waters (Official Gazette SFRY, No. 3/66 and 7/66)

Article 28
(entry into force)

This Regulation shall enter into force on the fifteenth day of its publication in the Official Gazette of the Republic of Slovenia.

No. 0071-40/2006
Ljubljana, 6 March 2006
EVA 2006-2511-0091

Janez Podobnik
Minister
of environment and spatial
planning

Annex 1: Contents of written procedures for radioactive waste or spent fuel management

	Chapter	Explication of the chapter's content
(1)	Purpose	Explanation of the purpose of the written procedure.
(2)	Scope	Determination of the document's scope of use – at regard of systems, conditioning procedures, location etc. – and delimitation with other procedures.
(3)	Responsibilities	Listing of persons responsible and their responsibilities to carry out activities in accordance with the written procedure
(4)	Definitions	Definition of keywords, notions and abbreviations.
(5)	References	List of rules, procedures, standards and other documents referenced in the written procedure.
(6)	Prerequisites	Listing of procedures and activities needed to be performed, conditions needed to be fulfilled prior to the procedure execution, and persons responsible to assure the prerequisites.
(7)	Safety measures	Listing of safety measures, required to protect the assets and health of workers and public or that need to be assured to prevent or reduce the possibility of states of emergency, respectively.
(8)	Limitations	Determination of parameters limitations (mass, pressure, activity etc.) that affect the procedure execution and appointment of measures to be taken in case of exceeded limitations.
(9)	Procedure description	Detailed description of phases of the procedure.
(10)	Verification	Determination of activities within the procedure that have to be verified and phases of the procedure when the verification is performed.
(11)	Acceptance criteria	Determination of criteria to evaluate successfulness of procedure execution and means of verifications.

(12)	Note	Definition of form, content, time and place of keeping, and other elements of notes about the executed procedure.
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Documents prepared in accordance with Annex 1 shall have a getup with a cover comprising of:

- name of the document,
- revision number,
- name of the organisation that wrote the document, and
- names, surnames, signatures and the date of signing of persons that wrote, revised and approved the document.

Each page shall be noted with the page number, total number of pages of the document and denotation of the revision.

Annex 2: Contents of the Radioactive waste or spent fuel management programme

(1)	Introduction Purpose Scope Short description of holder's activities
(2)	Organisation and method of carrying out activities Organisation of activities of management, recording and reporting Organisational scheme Definition of responsible services and persons Definition of necessary qualification of responsible persons and other workers
(3)	Information on documents on the basis of which the activities are carried out Decisions of the regulatory bodies Regulations Standards Written procedures Other documents
(4)	Information on containers
(5)	Information on radioactive waste or spent fuel Types Methods and places of generation Foreseen quantities of generation
(6)	Procedures and management methods Existing Foreseen
(7)	Radioactive waste or spent fuel records keeping
(8)	Measures to minimise radioactive waste or spent fuel generation and to minimise radiation and other impacts emerging from radioactive waste or spent fuel Existing Foreseen
(9)	Procedures of radioactive waste or spent fuel removal Handover to the transactor of public service Release Clearance Export Output to EU member states Disposal Other

(10)	Capacities of technological management procedures Existing capacities (conditioning, storage ...) Foreseen capacities Occupancy level and availability of capacities
(11)	Consideration of interdependencies between all stages of management Compliance of existing management procedures with requirements of the transactor of public service
(12)	Harmonization of management procedures with operative programmes of the national programme of radioactive waste and spent fuel management

Documents prepared in accordance with Annex 2 shall have a getup with a cover comprising of:

- name of the document,
- revision number,
- name of the organisation that wrote the document, and
- names, surnames, signatures and the date of signing of persons that wrote, revised and approved the document.

Each page shall be noted with the page number, total number of pages of the document and denotation of the revision.

Annex 3: Central records keeping

Table I: Format of entry for radioactive waste or spent fuel to the central records

No.	Data title	Explication	Type	Unit
1	Reg. ID	Serial number of the package in the registry	Number	
2	Holder	Holder of radioactive waste or spent fuel	Text	
3	Facility	Name of the facility	Text	
4	Location	Location of the package within the facility	Text	
5	Category	Category of radioactive waste or spent fuel	Text	
6	Type	Typified descriptive definition of properties	Text	
7	Date	Date of radioactive waste or spent fuel generation that shall be used for activity calculation	Date	
8	Producer	Radioactive waste or spent fuel producer	Text	
9	Container	Typified approved container	Text	
10	Mass	Package mass	Number	kg
11	Volume	Package volume	Number	cubic metre (m ³)
12	Contamination	Package surface contamination	Number	Bq/dm ²
13	Dose rate	Maximal measured dose rate at the package surface	Number	mSv/h
14	Conditioning	Conditioning	Text	
15	F. conditioning	Further conditioning	Text	
16	End	Foreseen year when package activity shall decrease below clearance level	Number	year
17	Radionuclides	Reference to Table I.a: radionuclide inventory	Number	

Table I.a: Radionuclide inventory in the package*

No.	Field title	Explication	Type	Unit
1	Activity	Activity of the radionuclide on the date from	Number	mega

		Table I		Becquerel (MBq)
2	Share	Percentage share of the radionuclide activity in the total activity	Number	%
3	Radionuclide	Radionuclide sign	Text or number	
4	Reg. ID	Package serial number from Table I	Number	

* The table Radionuclide inventory shall have for each package so many entries as there are different radionuclides foreseen in the package.

Table II: Format of entry for radioactive waste releases to the central records

No.	Data title	Explication	Type	Unit
1	Reg. ID	Serial number of the release in the registry	Number	
2	Holder	Holder of radioactive waste	Text	
3	Location	Location of the release	Text	
4	Lat	Latitude	Number	
5	Long	Longitude	Number	
6	Height	Height above sea level	Number	m
7	Start	Start of the release	Date	
8	End	End of the release	Date	
9	Medium	Gas or liquid	Text	
10	Quantity	Quantity of medium released	Number	cubic metre (m ³)
11	AR	Total activity released	Number	mega Becquerel (MBq)
12	AR/AP	Quotient released/permitted	Number	
13	Radionuclide	Reference to Table II.a: radionuclide inventory in the release	Number	

Table II.a: Radionuclide inventory in the release*

No.	Field title	Explication	Type	Unit
1	Activity	Activity of the radionuclide on the date of the release	Number	mega Becquerel (MBq)
2	Share	Percentage share of the radionuclide activity in the total activity	Number	%
3	Radionuclide	Radionuclide sign	Text or number	
4	Reg. ID	Release serial number from Table II	Number	

* The table Radionuclide inventory shall have for each release so many entries as there are different radionuclides foreseen in the release.

Table III: Format of entry for annual predictions of radioactive waste or spent fuel to the central records

No.	Data title	Explication	Type	Unit
1	Holder	Holder of radioactive waste or spent fuel	Text	
2	Facility	Name of the facility	Text	
3	Year	Year for which the prediction was made	Date	
4	Category	Reference to Table III.a: specific radioactive waste or spent fuel categories	Number	

Table III.a: Specific radioactive waste categories*

No.	Data title	Explication	Type	Unit
1	Reg. ID	Serial number of the category in the registry	Number	
2	Category	Category of radioactive waste or spent fuel	Text	
3	Qi	Volume	Number	cubic metre (m ³)
4	Mi	Mass	Number	kg
5	A	Activity	Number	MBq
6	F. conditioning	Further conditioning	Text	descriptive
7	End	Foreseen year when the category activity shall decrease below clearance level	Number	year
8	Radionuclides	Reference to Table III.b: radionuclide inventory	Number	

* The table of specific categories shall have for each year so many entries as there are different foreseen waste categories.

Table III.b: Radionuclide inventory*

No.	Field title	Explication	Type	Unit
1	Activity	Activity of the radionuclide on the date of generation	Number	mega Becquerel (MBq)
2	Share	Percentage share of the radionuclide activity in the total activity of the category	Number	%
3	Radionuclide	Radionuclide sign	Text or number	
4	Reg. ID	Category serial number from Table III	Number	

* The table Radionuclide inventory shall have for each category so many entries as there are different radionuclides foreseen in the category.