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Committee on Employment and Social Affairs

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AMENDMENT 39 - 114

Draft opinion
Jean Lambert
(PE456.851v01-00)

Management of spent fuel and radioactive waste

Proposal for a directive
(COM(2010)0618 – C7-0387/2010 – 2010/0306(NLE))

AM_Com_LegOpinion

Amendment 39
Thomas Händel

Proposal for a directive
Citation 1

Text proposed by the Commission

Having regard to the Treaty *establishing* the European *Atomic Energy Community*, and in particular *Articles 31 and 32* thereof,

Amendment

Having regard to the Treaty *on the Functioning of the European Union*, and in particular *Article 153* thereof,

Or. de

Amendment 40
Jutta Steinruck

Proposal for a directive
Citation 1 a (new)

Text proposed by the Commission

Having regard to the Treaty on the Functioning of the European Union (TFEU), and in particular Article 153 thereof,

Amendment

Or. en

Amendment 41
Jutta Steinruck

Proposal for a directive
Citation 1 b (new)

Text proposed by the Commission

Having regard to the Charter of Fundamental Rights and in particular Articles 31 and 35 thereof,

Amendment

Or. en

Amendment 42
Jutta Steinruck

Proposal for a directive
Recital 1

Text proposed by the Commission

(1) Article 2(b) of the Treaty provides for the establishment of uniform safety standards to protect the health of workers and of the general public.

Amendment

(1) Article 2(b) of the **Euratom** Treaty provides for the establishment of uniform safety standards to protect the health of workers and of the general public.

Or. en

Amendment 43
Jutta Steinruck

Proposal for a directive
Recital 2

Text proposed by the Commission

(2) Article 30 of the Treaty provides for the establishment of basic standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiations.

Amendment

(2) Article 30 of the **Euratom** Treaty provides for the establishment of basic standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiations.

Or. en

Amendment 44
Jutta Steinruck

Proposal for a directive
Recital 3

Text proposed by the Commission

(3) Article 37 of the Treaty requires Member States to provide the Commission with general data relating to any plan for

Amendment

(3) Article 37 of the **Euratom** Treaty requires Member States to provide the Commission with general data relating to any plan for the disposal of radioactive

the disposal of radioactive waste.

waste.

Or. en

Amendment 45

Thomas Händel

Proposal for a directive

Recital 3 a (new)

Text proposed by the Commission

Amendment

(3a) Council Directive 89/391/EEC of 12 June 1989 provides for the introduction of measures to encourage improvements in the safety and health of workers at work.

Or. de

Amendment 46

Jutta Steinruck

Proposal for a directive

Recital 3 a (new)

Text proposed by the Commission

Amendment

(3a) Article 153 TFEU provides for the establishment of minimum standards for the health and safety of workers.

Or. en

Amendment 47

Jutta Steinruck

Proposal for a directive

Recital 3 b (new)

Text proposed by the Commission

Amendment

(3b) Article 31 of the Charter of

Fundamental Rights provides the basic right for everyone to working conditions which respect his or her health, safety and dignity.

Or. en

**Amendment 48
Jutta Steinruck**

**Proposal for a directive
Recital 3 c (new)**

Text proposed by the Commission

Amendment

(3c) Article 35 of the Charter of Fundamental Rights provides the basic right for everyone to high level of health protection.

Or. en

**Amendment 49
Jutta Steinruck**

**Proposal for a directive
Recital 19 a (new)**

Text proposed by the Commission

Amendment

(19a) The ILO adopted a Convention[1] and a Recommendation[2] on Radiation Protection to all activities involving exposure of workers to ionizing radiation in the course of work and requires appropriate steps to be taken to ensure the effective protection of workers in the light of knowledge available at the time.

[1] C115 Convention concerning the Protection of Workers against Ionising Radiations, 22. 6. 1960

[2] C114 Recommendation concerning the Protection of Workers against Ionising Radiations, 22. 6. 1960

Amendment 50
Thomas Händel

Proposal for a directive
Recital 27

Text proposed by the Commission

(27) Radioactive waste, including spent fuel considered as waste, requires containment and isolation from humans and the living environment over the long term. Its specific nature (content of radionuclides) requires arrangements to protect human health and the environment against dangers arising from ionizing radiation, including disposal in appropriate facilities as the end point of its management. The storage of radioactive waste, including long-term storage, is an interim solution but not an alternative to disposal.

Amendment

(27) Radioactive waste, including spent fuel considered as waste, requires ***appropriate conditioning***, containment and isolation from humans and the living environment over the long term. Its specific nature (content of radionuclides) requires arrangements to protect human health and the environment against dangers arising from ionizing radiation, including disposal in appropriate facilities as the end point of its management. The storage of radioactive waste, including long-term storage, is an interim solution but not an alternative to disposal.

Amendment 51
Thomas Händel

Proposal for a directive
Recital 27 a (new)

Text proposed by the Commission

Amendment

(27a) Workers and the general public face an unacceptable and growing risk due to the conditions under which some historic wastes, such as plutonium-bearing sludges or contaminated graphite, are being stored. Unconditioned, readily dispersible waste forms and spent fuel in unprotected pools constitute stores which are radiotoxic as well as being highly vulnerable and pose an ongoing risk of

accident or target for terrorist attack.

Or. de

Amendment 52
Thomas Händel

Proposal for a directive
Recital 29

Text proposed by the Commission

(29) *The typical* disposal *concept* for short lived low and intermediate level waste *is* near surface disposal. Following 30 years of research, it is broadly *accepted at the technical level* that deep geological disposal represents the safest and most sustainable option as the end point of the management of high level waste and spent fuel *considered as waste. Thus moving* towards implementation of disposal *should* be *pursued*.

Amendment

(29) Disposal *concepts* for short lived low and intermediate level waste *vary from* near surface disposal *(in buildings, shallow burial or burial down to a few tens of metres below the surface) to state-of-the-art disposal in geologic repositories 70-100 m underground*. Following 30 years of research, it is broadly *assumed by nuclear interests* that deep geological disposal represents the safest and most sustainable option as the end point of the management of high level radioactive waste and spent fuel. *If the safety cases of the proposed methods for deep geological disposal can be assured, a move* towards implementation of disposal *could* be *considered*.

Or. de

Amendment 53
Thomas Händel

Proposal for a directive
Recital 30

Text proposed by the Commission

(30) Although each Member State is responsible for its own policy on spent fuel and radioactive waste management, that policy should respect the relevant

Amendment

(30) Although each Member State is responsible for its own policy on spent fuel and radioactive waste management, that policy should respect the relevant

fundamental safety principles set by the IAEA. It is an ethical obligation of each Member State to avoid any undue burden on future generations in respect of the existing spent fuel and radioactive waste, as well as those expected from decommissioning of existing nuclear installations.

fundamental safety principles set by the IAEA. It is an ethical obligation of each Member State to avoid any undue burden on future generations in respect of the existing spent fuel and radioactive waste, as well as those expected from decommissioning of existing nuclear installations. ***Member States should therefore establish a decommissioning policy that guarantees that facilities are dismantled in the safest manner as early as possible after their closure.***

Or. de

Amendment 54
Thomas Händel

Proposal for a directive
Recital 34 a (new)

Text proposed by the Commission

Amendment

(34a) It is necessary for workers along the whole chain of spent fuel and radioactive waste management to be protected and covered, regardless of their activity or status; it is necessary for the long term effects on the health and safety of workers to be considered in any management instrument for spent fuel and radioactive waste.

Or. de

Amendment 55
Thomas Händel

Proposal for a directive
Recital 34 b (new)

Text proposed by the Commission

Amendment

(34b) When this Directive is implemented,

it is necessary that particular attention be given to workers at risk and that non-compliance with health and safety legislation be followed by immediate and effective sanctions.

Or. de

Amendment 56
Thomas Händel

Proposal for a directive
Recital 34 c (new)

Text proposed by the Commission

Amendment

(34c) Since, in many instances, the health consequences for workers of exposure to radioactivity do not emerge for years or decades, all documentation drawn up on the workers concerned in connection with the disposal of spent fuel and radioactive waste should be kept.

Or. de

Amendment 57
Thomas Händel

Proposal for a directive
Recital 35

Text proposed by the Commission

Amendment

(35) Transparency is important in the management of spent fuel and radioactive waste. It should be provided by requiring effective public information and opportunities for all concerned stakeholders to participate in the decision-making processes.

(35) Transparency is important in the management of spent fuel and radioactive waste. It should be provided by requiring effective public information, ***in Member States' customary official publications***, and opportunities for all concerned stakeholders to participate in the decision-making processes.

Or. de

Amendment 58
Thomas Händel

Proposal for a directive
Recital 39 a (new)

Text proposed by the Commission

Amendment

(39a) Union legislation on health and safety at work is also applicable to the management of spent fuel and radioactive waste.

Or. de

Amendment 59
Thomas Händel

Proposal for a directive
Recital 41

Text proposed by the Commission

Amendment

(41) Maintaining and further developing competences and skills in the management of spent fuel and radioactive waste, as an essential element to ensure high levels of safety, should be based on a combination of learning through operational experience, scientific research and technological development, and technical cooperation between all actors.

(41) Maintaining and further developing competences and skills in the management of spent fuel and radioactive waste, as an essential element to ensure high levels of safety ***and to protect workers***, should be based on a combination of learning through ***preventive training***, operational experience, scientific research and technological development, and technical cooperation between all actors.

Or. de

Amendment 60
Thomas Händel

Proposal for a directive
Article 1 – point 2

Text proposed by the Commission

(2) It ensures that Member States provide for appropriate national arrangements for **a high** level of safety in spent fuel and radioactive waste management to protect workers and the general public against the dangers arising from ionizing radiation.

Amendment

(2) It ensures that Member States provide for appropriate national arrangements for **the highest** level of safety in spent fuel and radioactive waste management to protect workers and the general public against the dangers arising from ionizing radiation.

Or. de

Amendment 61
Jutta Steinruck

Proposal for a directive
Article 1 – point 3

Text proposed by the Commission

(3) It maintains and promotes public information and participation with regard to spent fuel and radioactive waste management.

Amendment

(3) It maintains and promotes **a high level of** public information and participation with regard to spent fuel and radioactive waste management.

Or. en

Amendment 62
Jutta Steinruck

Proposal for a directive
Article 1 – point 4 a (new)

Text proposed by the Commission

Amendment

(4a) This Directive sets minimum standards for the Member States, but Member States are free to impose higher standards on management of spent fuel and radioactive waste.

Or. en

Amendment 63
Thomas Händel

Proposal for a directive
Article 2 – point 1 – subpoint b

Text proposed by the Commission

(b) all stages of radioactive waste management, from generation up to disposal, *when the radioactive waste results from civilian activities or is managed within civilian activities*;

Amendment

(b) all stages of radioactive waste management, from generation up to **and including** disposal;

Or. de

Amendment 64
Rovana Plumb

Proposal for a directive
Article 2 – point 2

Text proposed by the Commission

(2) Waste from extractive industries which may be radioactive and falls within the scope of Directive 2006/21/EC shall not be subject to this Directive.

Amendment

deleted

Or. ro

Amendment 65
Thomas Händel

Proposal for a directive
Article 2 – point 2

Text proposed by the Commission

(2) Waste from extractive industries which may be radioactive and falls within the scope of Directive 2006/21/EC shall **not** be subject to this Directive.

Amendment

(2) Waste from extractive industries which may be radioactive and falls within the scope of Directive 2006/21/EC shall **also** be subject to this Directive.

Or. de

Amendment 66
Rovana Plumb

Proposal for a directive
Article 2 – point 2 a (new)

Text proposed by the Commission

Amendment

(2a) The following shall be excluded from the scope of this directive:

Or. ro

Amendment 67
Rovana Plumb

Proposal for a directive
Article 2 – point 2 a (new) – subpoint a

Text proposed by the Commission

Amendment

(a) Waste from extractive industries which may be radioactive and falls within the scope of Directive 2006/21/EC;

Or. ro

Amendment 68
Rovana Plumb

Proposal for a directive
Article 2 – point 2 a (new) – subpoint b

Text proposed by the Commission

Amendment

(b) authorised releases;

Or. ro

Amendment 69
Thomas Händel

Proposal for a directive
Article 2 – point 3

Text proposed by the Commission

(3) This Directive shall not apply to authorised releases.

Amendment

deleted

Or. de

Amendment 70
Jutta Steinruck

Proposal for a directive
Article 3 – paragraph 1 – point 5 a (new)

Text proposed by the Commission

Amendment

(5a) 'exposed worker' means any person involved in activities along the chain of the management of waste fuel or radioactive waste management, regardless their activity or status;

Or. en

Amendment 71
Thomas Händel

Proposal for a directive
Article 3 – paragraph 1 – point 6

Text proposed by the Commission

Amendment

(6) 'radioactive waste' means radioactive material in gaseous, liquid or solid form *for which no further use is foreseen by the Member State or by a natural or legal person whose decision is accepted by the Member State, and* which is controlled as radioactive waste by a competent regulatory authority under the legislative

(6) 'radioactive waste' means *spent fuels*, radioactive material in gaseous, liquid or solid form *that originates from reprocessing and any other radioactive material in gaseous, liquid or solid form* which is controlled as radioactive waste by a competent regulatory authority under the legislative and regulatory framework of the

and regulatory framework of the Member State;

Member State;

Or. de

Amendment 72

Rovana Plumb

Proposal for a directive

Article 3 – paragraph 1 – point 7

Text proposed by the Commission

(7) ‘radioactive waste management’ means all activities, that relate to handling, pretreatment, treatment, conditioning, storage, or disposal of radioactive waste, excluding off-site transportation;

Amendment

(7) ‘radioactive waste management’ means all activities, that relate to handling, pretreatment, treatment, conditioning, storage, or disposal of radioactive waste, ***including the monitoring of those operations and subsequent maintenance work on interim or final radioactive waste storage premises,*** excluding off-site transportation;

Or. ro

Amendment 73

Thomas Händel

Proposal for a directive

Article 3 – paragraph 1 – point 10

Text proposed by the Commission

(10) ‘spent fuel’ means nuclear fuel that has been irradiated in and permanently removed from a reactor core; spent fuel may either be considered as ***a usable resource that can be reprocessed or be destined for final disposal if regarded as*** radioactive waste;

Amendment

(10) 'spent fuel' means nuclear fuel that has been irradiated in and permanently removed from a reactor core; spent fuel may either be ***reprocessed or is*** considered as radioactive waste ***if no further use is envisaged for it for the following two years by the Member State or by a licence holder whose decision is accepted by the Member State;***

Or. de

Amendment 74
Thomas Händel

Proposal for a directive
Article 4 – point 2 – subpoint d

Text proposed by the Commission

(d) spent fuel and radioactive waste are safely managed, ***including in the long term.***

Amendment

(d) spent fuel and radioactive waste are safely managed ***during a minimum of 250 years or even longer so long as they are hazardous to people and the environment;***

Or. de

Amendment 75
Jutta Steinruck

Proposal for a directive
Article 4 – point 2 – subpoint d

Text proposed by the Commission

(d) spent fuel and radioactive waste are safely managed, ***including in the long term.***

Amendment

(d) spent fuel and radioactive waste are safely managed ***for a minimum of 250 years or even longer, so long as they are hazardous to people and the environment.***

Or. en

Amendment 76
Thomas Händel

Proposal for a directive
Article 4 – point 2 – subpoint d a (new)

Text proposed by the Commission

Amendment

(da) exposure of workers and the public to spent fuel and radioactive waste is avoided.

Or. de

Amendment 77
Thomas Händel

Proposal for a directive
Article 4 – point 2 – subpoint d b (new)

Text proposed by the Commission

Amendment

(db) measures are taken to cover the future health risks for exposed workers, including those not documented;

Or. de

Amendment 78
Thomas Händel

Proposal for a directive
Article 4 – point 2 – subpoint d c (new)

Text proposed by the Commission

Amendment

(dc) measures are taken which cover all workers involved in the processes relating to the management of spent fuel and radioactive waste, including those workers indirectly involved, such as transport workers, security workers, members of the armed forces and police officers;

Or. de

Amendment 79
Thomas Händel

Proposal for a directive
Article 4 – point 2 – subpoint d d (new)

Text proposed by the Commission

Amendment

(dd) there is joint and several liability so as to protect all actors involved in the management of spent fuel and radioactive waste.

Or. de

Amendment 80
Jutta Steinruck

Proposal for a directive
Article 4 – point 2 – subpoint d a (new)

Text proposed by the Commission

Amendment

(da) there is a legal framework on joint and several liability so as to protect all actors involved in the management of spent fuel and radioactive waste.

Or. en

Amendment 81
Jutta Steinruck

Proposal for a directive
Article 4 – point 3

Text proposed by the Commission

Amendment

(3) Radioactive waste shall be disposed of in the Member State in which it was generated, ***unless agreements are concluded between Member States to use disposal facilities in one of them.***

(3) Radioactive waste shall be disposed of in the Member State in which it was generated.

Or. en

Amendment 82
Jutta Steinruck

Proposal for a directive
Article 4 – point 3 a (new)

Text proposed by the Commission

Amendment

(3a) The transfer of radioactive waste and spent fuel to outside of the Union shall be prohibited.

Or. en

Amendment 83
Jutta Steinruck

Proposal for a directive
Article 5 – point 1 – subpoint b a (new)

Text proposed by the Commission

Amendment

(ba) national requirements for the health and safety, education and training of workers;

Or. en

Amendment 84
Csaba Sógor

Proposal for a directive
Article 5 – point 1 – subpoint d

Text proposed by the Commission

Amendment

(d) a system of appropriate institutional control, regulatory inspections, documentation and reporting;

(d) a system of appropriate institutional control, regulatory inspections, documentation and reporting, ***as well as needed training for the workers involved in the whole process in order to secure and maintain their occupational safety and health;***

Amendment 85
Thomas Händel

Proposal for a directive
Article 5 – point 1 – subpoint e

Text proposed by the Commission

(e) enforcement actions, including suspension of activities and modification or revocation of a licence;

Amendment

(e) enforcement actions, including suspension of activities and modification or revocation of a licence, ***covering, inter alia, infringements of health and safety rules applicable to the workers concerned;***

Or. de

Amendment 86
Jutta Steinruck

Proposal for a directive
Article 6 – point 1 a (new)

Text proposed by the Commission

Amendment

(1a) Member States shall ensure that the regulatory authority is democratically controlled and that practical workers, scientists and elected parliamentarians are part of that regulatory authority.

Or. en

Amendment 87
Thomas Händel

Proposal for a directive
Article 6 – point 3 a (new)

Text proposed by the Commission

Amendment

(3a) Member States shall ensure that the competent regulatory authority is empowered to order the suspension of operations in cases where safety is not guaranteed.

Or. de

Amendment 88
Thomas Händel

Proposal for a directive
Article 6 – point 3 b (new)

Text proposed by the Commission

Amendment

(3b) Member States shall ensure that the competent regulatory authority has the powers and resources needed to carry out regular nuclear safety assessments, investigations and controls and, where necessary, enforcement actions in the facilities, even during decommissioning. The health and safety of workers, including those employed by any subcontractors, as well as staffing levels and training shall form part of these assessments.

Or. de

Amendment 89
Thomas Händel

Proposal for a directive
Article 6 – point 3 c (new)

Text proposed by the Commission

Amendment

(3c) Member States shall ensure that the competent regulatory authority reports to

the Member States and relevant competent organisations, licence holders, representatives of the employees of the licence holder, subcontractors and the general public regarding the results of their assessments.

Or. de

Amendment 90
Thomas Händel

Proposal for a directive
Article 6 – point 3 d (new)

Text proposed by the Commission

Amendment

(3d) Member States shall ensure that the competent regulatory authority establishes or specifies a body which is to be responsible for conserving records relating to workers involved in the handling of spent fuel and radioactive waste for at least 50 years and for compiling records independently of the employer or subcontractor, in keeping with applicable data protection rules, and which is required to release information to the workers concerned and their descendants.

Or. de

Amendment 91
Jutta Steinruck

Proposal for a directive
Article 6 – point 3 a (new)

Text proposed by the Commission

Amendment

(3a) Member States shall ensure that the competent regulatory authority is given the powers and resources to regularly

carry out nuclear safety assessments, investigations and controls, and where necessary enforcement actions in the facilities even during decommissioning. The health and safety of workers, including any sub-contractors, as well as staff levels and training shall be part of these assessments.

Or. en

Amendment 92
Jutta Steinruck

Proposal for a directive
Article 6 – point 3 b (new)

Text proposed by the Commission

Amendment

(3b) The assessment on the health and safety of the workers referred to in paragraph 3a shall be carried out in cooperation with the authorities responsible for safety and health of workers.

Or. en

Amendment 93
Thomas Händel

Proposal for a directive
Article 7 – point 2

Text proposed by the Commission

Amendment

(2) Member States shall ensure that the national framework requires licence holders, under the supervision of the competent regulatory authority, to regularly assess and verify, and continuously improve, as far as reasonably achievable, the safety of their activities and facilities in a systematic and verifiable

(2) Member States shall ensure that the national framework requires licence holders, under the supervision of the competent regulatory authority, to regularly assess and verify, and continuously improve, as far as reasonably achievable, the safety of their activities - *including the health and safety of workers*

manner.

and subcontractors and the safety of their facilities - in a systematic and verifiable manner. Licence holders shall report to the competent regulatory authority and other relevant competent organisations, representatives of their employees, subcontractors and the general public regarding the results of their assessments.

Or. de

Amendment 94
Thomas Händel

Proposal for a directive
Article 7 – point 3

Text proposed by the Commission

(3) The assessments referred to in paragraph 2 shall include verification that measures are in place to prevent accidents and mitigate the consequences of accidents, including verification of the physical barriers and the licence holder's administrative procedures for protection that would have to fail before workers and the general public would be significantly affected by ionizing radiation.

Amendment

(3) The assessments referred to in paragraph 2 shall include verification that measures are in place to prevent accidents ***and physical attacks*** and mitigate the consequences of accidents ***and physical attacks***, including verification of the physical barriers and the licence holder's administrative procedures for protection that would have to fail before workers and the general public would be significantly affected by ionizing radiation.

Or. de

Amendment 95
Thomas Händel

Proposal for a directive
Article 7 – point 4

Text proposed by the Commission

(4) Member States shall ensure that the national framework requires licence holders to establish and implement

Amendment

(4) Member States shall ensure that the national framework requires licence holders to establish and implement

management systems which give due priority to safety and are regularly verified by the competent regulatory authority.

management systems which give due priority to safety **and security** and are regularly verified by the competent regulatory authority **and workers' representatives**.

Or. de

Amendment 96
Thomas Händel

Proposal for a directive
Article 7 – point 5

Text proposed by the Commission

(5) Member States shall ensure that the national framework requires licence holders to provide for and maintain adequate financial and human resources to fulfil their obligations with respect to the safety of spent fuel and radioactive waste management, laid down in paragraphs 1 to 4.

Amendment

(5) Member States shall ensure that the national framework requires licence holders to provide for and maintain adequate financial and human resources to fulfil their obligations with respect to the safety of spent fuel and radioactive waste management, laid down in paragraphs 1 to 4, **including for the long term over 250 years or more**.

Or. de

Amendment 97
Csaba Sógor

Proposal for a directive
Article 7 – point 5 a (new)

Text proposed by the Commission

Amendment

(5a) Member States shall ensure that the licence holders are able to guarantee and implement the application of occupational and health safety standards to all the workers involved in the process as well as ensure the needed training for them throughout the whole process in view of scientific progress.

Amendment 98
Thomas Händel

Proposal for a directive
Article 8 – point 2

Text proposed by the Commission

(2) The safety case and supporting safety assessment shall cover the siting, design, construction, operation, and decommissioning of a facility or closure of a disposal facility; the safety case shall specify the standards applied for this assessment. The long-term post-closure safety shall be addressed, in particular how it is ensured by passive means to the fullest extent possible.

Amendment

(2) The safety case and supporting safety assessment shall cover the siting, design, construction, operation, and decommissioning of a facility or closure of a disposal facility; the safety case shall specify the standards applied for this assessment. The long-term post-closure safety shall be addressed, in particular how it is ensured by passive means to the fullest extent possible. ***The safety case and supporting safety assessment shall include an assessment of the health and safety risks for workers, including those employed by subcontractors, and of the skill levels and number of staff required for the safe operation of the facility at all times, so that action can be taken in the event of an accident.***

Amendment 99
Thomas Händel

Proposal for a directive
Article 8 – point 4

Text proposed by the Commission

(4) The safety case and supporting safety assessment shall be submitted to the competent regulatory authority for approval.

Amendment

(4) The safety case and supporting safety assessment shall be submitted to the competent regulatory authority for approval. ***Representatives of the workers concerned shall be informed and consulted before the safety assessments are submitted to the competent regulatory***

authority.

Or. de

Amendment 100
Thomas Händel

Proposal for a directive
Article 8 – point 4 a (new)

Text proposed by the Commission

Amendment

(4a) The safety case shall cover not only the site but also any related issues, such as the transport of radioactive waste or spent fuel to or from the site.

Or. de

Amendment 101
Jutta Steinruck

Proposal for a directive
Article 8 a (new)

Text proposed by the Commission

Amendment

Article 8a

Recording and tracking

(1) Member States shall establish a recording and tracking system in the field of management of the spent fuel and radioactive waste.

(2) Member States shall ensure that the recording and tracking system is capable of defining the location and the conditions of the spent fuel and radioactive waste in their production, use, transport, storage or disposal.

(3) Member States shall ensure that information on workers that have been exposed to spent fuel and radioactive waste during their work is stored, either

by the licence holder or a state body, so as to ensure follow-up for work-related diseases in the long term.

Or. en

Amendment 102
Jutta Steinruck

Proposal for a directive
Article 8 b (new)

Text proposed by the Commission

Amendment

Article 8b

Procedures and Sanctions

In accordance with general principles, Member States shall ensure that administrative or judicial procedures, as well as sanctions that are effective, dissuasive and proportionate in relation to the seriousness of the offence, should be applicable in the event of infringement of the obligations arising from this Directive.

Or. en

Amendment 103
Jutta Steinruck

Proposal for a directive
Article 9

Text proposed by the Commission

Amendment

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary expertise and skills.

Member States shall ensure that the national framework includes arrangements for education ***of the knowledge available at the time*** and ***regular and preventive*** training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary

expertise and skills. ***Member States shall ensure that licence holders cover the cost of the education and training.***

Or. en

Amendment 104
Thomas Händel

Proposal for a directive
Article 9

Text proposed by the Commission

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary expertise and skills.

Amendment

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary expertise and skills. ***Member States shall pay special attention to parties indirectly involved and ensure that they are offered state-of-the-art, appropriate education and training before the operations involving radioactive waste and spent fuel are carried out.***

Or. de

Amendment 105
Csaba Sógor

Proposal for a directive
Article 9

Text proposed by the Commission

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste

Amendment

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste

management in order to maintain and to further develop necessary expertise and skills.

management in order to maintain and to further develop necessary expertise and skills. *Member States shall ensure that the licence holders are able to implement those arrangements also in view of the safety and health of all the parties involved in the process.*

Or. en

Amendment 106
Rovana Plumb

Proposal for a directive
Article 9

Text proposed by the Commission

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary expertise and skills.

Amendment

Member States shall ensure that the national framework includes arrangements for education and training covering the needs of all parties with responsibilities for spent fuel and radioactive waste management in order to maintain and to further develop necessary expertise and skills, *in line with technical and scientific progress.*

Or. ro

Amendment 107
Jutta Steinruck

Proposal for a directive
Article 9 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

Member States shall ensure that the licence holders provide adequate financial resources to fulfil their obligations with respect to the education and training laid down in paragraph 1.

Amendment 108
Thomas Händel

Proposal for a directive
Article 10

Text proposed by the Commission

Member States shall ensure that the national framework guarantees that adequate financial resources are available when needed for the management of spent fuel and radioactive waste, taking due account of the responsibility of radioactive waste producers.

Amendment

Member States shall ensure that the national framework guarantees that adequate financial resources are available when needed for the management of spent fuel and radioactive waste, taking due account of the responsibility of radioactive waste producers, ***health and safety matters and occupational diseases which might occur following long-term exposure to radioactive emissions.***

Amendment 109
Thomas Händel

Proposal for a directive
Article 11

Text proposed by the Commission

Member States shall ensure that appropriate quality assurance programmes concerning the safety of spent fuel and radioactive waste management are established and implemented.

Amendment

Member States shall ensure that appropriate quality assurance programmes, ***including education and training,*** concerning the safety of spent fuel and radioactive waste management are established and ***regularly*** implemented.

Amendment 110
Jutta Steinruck

Proposal for a directive
Article 12 – point 1

Text proposed by the Commission

(1) Member States shall ensure that information on the management of spent fuel and radioactive waste is ***made available to*** workers and the general public. This obligation includes ensuring that the competent regulatory authority informs the public in the fields of its competence. Information shall be made available to the public in accordance with national legislation and international obligations, provided that this does not jeopardise other interests recognised in national legislation or international obligations such as, inter alia, security.

Amendment

(1) Member States shall ensure that ***all*** information on the management of spent fuel and radioactive waste ***which is necessary for preserving health, safety and security of*** workers and the general public, ***shall be available on a regular basis***. This obligation includes ensuring that the competent regulatory authority informs the public in the fields of its competence. Information shall be made available to the public in accordance with national legislation and international obligations, provided that this does not jeopardise other interests recognised in national legislation or international obligations such as, inter alia, security.

Or. en

Amendment 111
Thomas Händel

Proposal for a directive
Article 12 – point 1

Text proposed by the Commission

(1) Member States shall ensure that information on the management of spent fuel and radioactive waste is made available to workers and the general public. This obligation includes ensuring that the competent regulatory authority informs the public in the fields of its competence. Information shall be made available to the public in accordance with national legislation and international obligations, provided that this does not jeopardise other

Amendment

(1) Member States shall ensure that information on the management of spent fuel and radioactive waste is made available to workers and the general public. This obligation includes ensuring that the competent regulatory authority informs the public in the fields of its competence. Information shall be made available to the public in accordance with national legislation and international obligations, provided that this does not jeopardise other

interests recognised in national legislation or international obligations such as, inter alia, security.

interests recognised in national legislation or international obligations such as, inter alia, security. ***Information directly relevant to the health and safety of workers and the public (in particular concerning radioactive and toxic emissions and exposure to emissions) must be made public, irrespective of the circumstances.***

Or. de

Amendment 112
Jutta Steinruck

Proposal for a directive
Article 12 – point 1 a (new)

Text proposed by the Commission

Amendment

(1a) Member States shall ensure that information on the Financial Resources reserved for the management of the spent fuel and radioactive waste referred to in Article 10 is available to the general public, with due regard to the share of the costs between the Member States and the Producers.

Or. en

Amendment 113
Thomas Händel

Proposal for a directive
Article 14 – paragraph 1 – point 2

Text proposed by the Commission

Amendment

(2) concepts, plans and technical solutions from generation to disposal;

(2) concepts, plans and technical solutions from generation to disposal, ***with top priority being given to historic radioactive waste and spent fuel in intermediate storage pools;***

Or. de

Amendment 114
Thomas Händel

Proposal for a directive
Article 14 – paragraph 1 – point 7

Text proposed by the Commission

(7) assessment of programme costs and the underlying basis and hypotheses for this assessment, which must include a profile over time;

Amendment

(7) detailed plans on the number of inspections, the resources for inspection and the training of inspection bodies;

Or. de