

L.N. 338 of 2001

**ENVIRONMENT PROTECTION ACT, 2001
(ACT NO. XX OF 2001)**

**Supervision and Control of Shipments of Radioactive Waste
Regulations, 2001**

BY virtue of the powers conferred by articles 9 and 28 of the Environment Protection Act, 2001, the Minister for the Environment, has made the following regulations:

1. (1) The title of these regulations is the Supervision and Control of Shipments of Radioactive Waste Regulations, 2001. Citation and commencement.

(2) These regulations shall come into force on such date as the Minister responsible for the environment may by notice in the Gazette appoint, and different dates may be so appointed for different provisions and different purposes of these regulations.

(3) A notice under sub-regulation (2) of this regulation may make such transitional provisions as appear to the Minister responsible for the environment to be necessary or expedient in connection with the provisions thereby brought into force.

2. (1) For the purpose of these regulations and unless the context otherwise requires: Interpretation.

“competent authority” means: such body or person as may be prescribed in the Gazette by the Minister responsible for the environment, and different bodies or persons may be designated as a competent authority for different provisions and different purposes of these regulations; and

“competent authority of any other country” means: any authority which, under the law or regulations of that country, being a country of origin, transit or destination, is recognised by the competent authority of Malta as being empowered to implement the system of supervision and control substantially similar to that defined in these regulations;

“consignee” of radioactive waste means any natural or legal person to whom such material is shipped;

“country concerned” means any country of origin, destination or transit;

“holder” of radioactive waste means any natural or legal person who, before carrying out a shipment, has the legal responsibility for such materials and intends to carry out shipment to a consignee;

“place of destination” means a place situated in a country to which radioactive waste is delivered and “country of destination” shall be construed accordingly;

“place of origin” means a place situated in a country from where radioactive waste originates and “country of origin” shall be construed accordingly;

“place of transit” means a place situated in a country through which radioactive waste passes between the place of origin and the place of destination, and “country of transit” shall be construed accordingly;

“radioactive waste” means any material which contains or is contaminated by radio-nuclides and for which no use is foreseen;

“sealed source” means a source whose structure is such as to prevent, under normal conditions of use, any dispersion of the radioactive substances into the environment;

“shipment” means transport operations from the place of origin to the place of destination, including loading and unloading, of radioactive waste;

“transit” means the continuous passage from one border to another border through the national territory without storage, other than temporary storage incidental to transport.

(2) These regulations shall apply to shipments of radioactive waste originating in Malta, shipments of radioactive waste the final destination of which is Malta and shipments of radioactive waste in transit whenever the quantities and concentration exceed the levels laid down in Annex I to these regulations.

Transport operations.

3. The transport operations necessary for shipment shall comply with these regulations, and with any international agreements on the transport of radioactive material to which Malta is a party.

Shipment.

4. (1) A holder of radioactive waste who intends to carry out a shipment of such waste or intends to arrange for such a shipment to be carried out from Malta as the country of origin, shall submit an

application to the competent authority requesting authorization. The information specified in Annex II shall be provided.

(2) The application shall be obtained from the competent authority and must be completed in accordance with the notes contained in Annex II.

5. (1) An application may be made to the competent authority in respect of more than one shipment, provided that:

Application for more than one shipment.

(a) the radioactive waste to which it relates essentially has the same physical, chemical and radioactive characteristics, and

(b) the shipments are to be made from the same holder to the same consignee and involving the same competent authorities of transit and destination,

(2) The competent authority shall send such applications for approval to the competent authority of the country of destination and of the country or countries of transit, if any, and the provisions of regulation 7 of these regulations shall *mutatis mutandis* apply to the rights and duties of the competent authority of the country of destination and of the country or countries of transit, if any.

(3) If upon expiry of the periods referred to in sub-regulation (1) of regulation 7 and, if appropriate, sub-regulation (4) of regulation 7, no reply has been received from the competent authority of the country of destination and/or the intended countries of transit, those countries shall be deemed to have given their approval for the shipment requested, unless the competent authority is informed that they do not accept such an automatic approval procedure.

(4) The competent authority shall give reasons for any refusal to grant approval, or the attaching of conditions to approval.

6. (1) When all the approvals necessary for shipment have been granted, the competent authority shall be entitled to authorise the holder of the radioactive waste to ship it and inform the competent authority of the country of destination and of the country or countries of transit, if any. For this purpose it shall use the relevant regulation of Annex II. Any additional requirement for such shipments shall be attached to this document.

Authorization to ship.

(2) If authorization is granted by the competent authority, it shall be valid for a period of not more than three years or as may be established by the competent authority.

(3) this authorization shall not in any way affect the responsibility of the holder, the transporter, the owner, the consignee or any other natural or legal person involved in the shipment.

Overseas application.

7. (1) If the competent authority receives a duly completed application for the importation of radioactive waste or to have radioactive waste in transit, the competent authority shall, not later than two months after receipt of the duly completed application, notify the competent authority of the country of origin of its acceptance or of the conditions which it considers necessary or of its refusal to grant approval. For this purpose the competent authority shall use the relevant regulation of Annex II.

(2) Any conditions required by the competent authority shall comply with existing international agreements.

(3) The competent authority shall give reasons for any refusal to grant approval, or the attaching of conditions to approval.

(4) The competent authority shall have the right to request a further period of not more than one month in addition to the period referred to in sub-regulation (1) of this regulation in order to make its position known to the competent authority of the country of origin.

Accompanying documents.

8. Without prejudice to any other accompanying documents required under any other law, the documents referred to in regulations 5, 6 and 7 shall accompany each shipment falling under the scope of these regulations.

Acknowledgement of receipt.

9. (1) Within 15 days of receipt, the consignee of the radioactive waste shall send to the competent authority an acknowledgement of receipt, using the relevant regulation of Annex 1.

(2) Where Malta is the country of destination, the competent authority of Malta shall send copies of the acknowledgement to the other countries involved in the operation.

(3) Where Malta is the country of origin, the competent authority of Malta shall send a copy of the acknowledgement to the original holder.

Shipments not authorised.

10. The competent authority shall not authorise shipments to:

(a) a destination south of latitude 60° south;

(b) any country which does not have the technical, legal or administrative resources to manage the radioactive waste safely.

11. (1) Where a sealed source is returned by its user to the supplier of the source in another country, its shipment shall not fall within the scope of these regulations. Sealed source.

(2) Sub-regulation (1) of this regulation shall not apply to sealed sources containing fissile material.

12. (1) These regulations shall not apply where waste is to be exported for processing to return the waste after treatment to its country of origin. Non-applicability of regulations.

(2) These regulations shall not apply where irradiated nuclear fuel is to be exported for reprocessing to return to its country of origin waste or other products of the reprocessing operation.

13. (1) Where a shipment of radioactive waste cannot be completed or if the conditions for shipment are not complied with in accordance with the provisions of these regulations, the competent authority shall ensure that the radioactive waste in question is taken back by the holder of that waste. Waste to be taken back.

(2) In case of shipments of radioactive waste through the national jurisdiction of Malta, the competent authority shall ensure that the consignee of that waste negotiates a clause with the holder of the waste obliging that holder to take back the waste where a shipment cannot be completed.

14. The competent authority, if it has approved transit for the initial shipment, may not refuse to approve reshipment in the cases referred to: Shipment conditions.

(a) in regulation 12, if the reshipment concerns the same material after treatment or reprocessing and if all relevant legislation is respected; and

(b) in regulation 13, if the reshipment is undertaken on the same conditions and with the same specifications.

15. Any person shall be guilty of an offence under these offences under these regulations if> Offences under these regulations.

(a) he fails to comply with any provision of these regulations or with any order lawfully given in terms of any provision of these regulations; or

(b) he contravenes any restriction, prohibition or requirement imposed by or under these regulations; or

(c) he acts in contravention of any of the provisions of these regulations; or

(d) he conspires or attempts, or aids, or abets, any other person by whatever means, including advertising, counselling or procurement to contravene the provisions of these regulations or to fail to comply with any such provisions, including any order lawfully given in terms of any of the provision of these regulations, or to contravene any restriction, prohibition or requirement imposed by or under the said regulations.

Penalties.

16. Any person who commits an offence against these regulations shall, on conviction, be liable:

(a) on a first conviction to a fine (*multa*) of not less than ten thousand liri but not exceeding one hundred thousand liri;

(b) on a second or subsequent convictions, to a fine (*multa*) of not less than fifty thousand liri, but not exceeding two hundred thousand liri or to imprisonment for a term not exceeding two years, or to both such fine and imprisonment:

Provided that whenever any person is found guilty of committing an offence under these regulations by means of a vehicle or ship, the owner of the said vehicle or ship, where applicable, is held liable in the same manner and degree:

Provided further that the court shall order any person who has been found guilty of committing an offence against these regulations to pay for the expenses incurred by the competent authority or any public entity or any other persons acting on their behalf involved in the implementation of these regulations, and restitution of the environment as a result of the said offence, and the confiscation of the *corpus delicti*.

Applicability of the
Criminal Code.
Cap. 9.

17. (1) The provisions of article 23 and sub-article (1) of article 30 of the Criminal Code shall, *mutatis mutandis*, apply to proceedings, in respect of offences against these regulations, so however that the disqualification from holding or obtain a licence, permit or authority shall in no case be for less than one year.

(2) Notwithstanding the provisions of article 370 of the Criminal Code, proceedings for an offence against these regulations shall be taken before the Court of Magistrates (Malta) or the Court of Magistrates (Gozo), as the case may be, and shall be in accordance with the provisions of the Criminal Code regulating the procedure before the said courts as courts of criminal judicature.

(3) Notwithstanding the provisions of the Criminal Code, the Attorney General shall always have a right of appeal to the Court of Criminal Appeal from any judgement given by the Court of Magistrates (Malta) or the Court of Magistrates (Gozo) in respect of proceedings for any offence against these regulations.

18. Annexes I and II to these regulations are being published in the English language with the English text of these regulations.

Language of
Annexes.

ANNEX I

QUANTITIES AND CONCENTRATION OF RADIOACTIVE WASTE

These regulations apply whenever:

A. The quantities of radioactive substances involved exceed the following values:

1. Values of activities for radionuclides¹:

Nuclides of very high radiotoxicity:	$5 \cdot 10^3$ Bq; $1.4 \cdot 10^{-7}$ Ci (group 1);
Nuclides of high radiotoxicity:	$5 \cdot 10^4$ Bq; $1.4 \cdot 10^{-6}$ Ci (group 2);
Nuclides of moderate radiotoxicity:	$5 \cdot 10^5$ Bq; $1.4 \cdot 10^{-5}$ Ci (group 3);
Nuclides of low radiotoxicity:	$5 \cdot 10^6$ Bq; $1.4 \cdot 10^{-4}$ Ci (group 4);

2. The principal radioactive nuclides are classified as follows, according to their relative radiotoxicity:

(a) Very high radiotoxicity (group 1):

²¹⁰ Pb	²¹⁰ Po	²²³ Ra	²²⁵ Ra	²²⁶ Ra	²²⁸ Ra	²²⁷ Ac	²²⁷ Th
²²⁸ Th	²²⁹ Th	²³⁰ Th	²³¹ Pa	²³⁰ U	²³² U	²³³ U	²³⁴ U
²³⁷ Np	²³⁶ Pu	²³⁸ Pu	²³⁹ Pu	²⁴⁰ Pu	²⁴¹ Pu	²⁴² Pu	²⁴¹ Am
^{242m} Am	²⁴³ Am	²⁴⁰ Cm	²⁴² Cm	²⁴³ Cm	²⁴⁴ Cm	²⁴⁵ Cm	²⁴⁶ Cm
²⁴⁷ Cm	²⁴⁸ Cm	²⁴⁸ Cf	²⁴⁹ Cf	²⁵⁰ Cf	²⁵¹ Cf	²⁵² Cf	²⁵⁴ Cf
²⁵⁴ Es	²⁵⁵ Es						

(b) High radiotoxicity (group 2):

²²² Na	³⁶ Cl	⁴⁵ Ca	⁴⁶ Sc	⁶⁰ Co	⁹⁰ Sr	⁹¹ Y	⁹³ Zr
⁹⁴ Nb	¹⁰⁶ Ru	^{110m} Ag	^{115m} Cd	^{114m} In	¹²⁴ Sb	¹²⁵ Sb	¹²⁴ I
¹²⁵ I	¹²⁶ I	¹³¹ I	¹³⁴ Cs	¹⁴⁰ Ba	¹⁴⁴ Ce	¹⁵² Eu(13a)	
¹⁵⁴ Eu	¹⁶⁰ Tb	¹⁷⁰ Tm	¹⁸¹ Hf	¹⁸² Ta	¹⁹² Ir	²⁰⁴ Tl	²¹² Pb
²⁰⁷ Bi	²¹⁰ Bi	²¹¹ At	²²⁴ Ra	²²⁸ Ac	²³² Th	Th nat ²	
²³⁰ Pa	²³⁶ U	²⁴⁴ Pu	²⁴² Am	²⁴¹ Cm	²⁴⁹ Bk	²⁴⁶ Cf	²⁵³ Cf
²⁵³ Es	^{254m} Es	²⁵⁵ Fm	²⁵⁶ Fm				

¹ The alphabetical list of elements appears at the end of this Annex.

² One becquerel of natural thorium corresponds to 1 alpha disintegration per second (dps) (0.5 dps of Th⁻²³² and 0.5 dps of Th⁻²³⁸). One curies of natural thorium corresponds to $3.7 \cdot 10^{10}$ alpha disintegrations per second ($1.85 \cdot 10^{10}$ dps of Th⁻²³² and $1.85 \cdot 10^{10}$ dps of Th⁻²³⁸).

(c) Moderate radiotoxicity (group 3):

⁷ Be	¹⁴ C	¹⁸ F	²⁴ Na	³¹ Si	³² P	³³ P	³⁵ S
³⁸ Cl	⁴¹ Ar	⁴² K	⁴³ K	⁴⁷ Ca	⁴⁷ Sc	⁴⁸ Sc	⁴⁸ V
⁵¹ Cr	⁵² Mn	⁵⁴ Mn	⁵² Fe	⁵⁵ Fe	⁵⁹ Fe	⁵⁵ Co	⁵⁶ Co
⁵⁷ Co	⁵⁸ Co	⁶³ Ni	⁶⁵ Ni	⁶⁴ Cu	⁶⁵ Zn	^{69m} Zn	⁷² Ga
⁷³ As	⁷⁴ As	⁷⁶ As	⁷⁷ As	⁷⁵ Se	⁸² Br	⁷⁴ Kr	⁷⁷ Kr
⁸⁷ Kr	⁸⁸ Kr	⁸⁶ Rb	⁸³ Sr	⁸⁵ Sr	⁸⁹ Sr	⁹¹ Sr	⁹² Sr
⁹⁰ Y	⁹² Y	⁹³ Y	⁸⁶ Zr	⁸⁸ Zr	⁸⁹ Zr	⁹⁵ Zr	⁹⁷ Zr
⁹⁰ Nb	^{93m} Nb	⁹⁵ Nb	^{95m} Nb	⁹⁶ Nb	⁹⁰ Mo	⁹³ Mo	⁹⁹ Mo
⁹⁶ Tc	^{97m} Tc	⁹⁷ Tc	⁹⁹ Tc	⁹⁷ Ru	¹⁰³ Ru	¹⁰⁵ Ru	¹⁰⁵ Rh
¹⁰³ Pd	¹⁰⁹ Pd	¹⁰⁵ Ag	¹¹¹ Ag	¹⁰⁹ Cd	¹¹⁵ Cd	^{115m} In	¹¹⁶ Sn
¹²⁵ Sn	¹²² Sb	¹²¹ Te	^{121m} Te	^{123m} Te	^{125m} Te	^{127m} Te	^{129m} Te
¹³¹ Te	^{131m} Te	¹³² Te	^{133m} Te	¹³⁴ Te	¹²⁰ I	¹²³ I	¹³⁰ I
¹³² I	^{132m} I	¹³³ I	¹³⁵ I	¹³⁵ Xe	¹³² Cs	¹³⁶ Cs	¹³⁷ Cs
¹³¹ Ba	¹⁴⁰ La	¹³⁴ Ce	¹³⁵ Ce	^{137m} Ce	¹³⁹ Ce	¹⁴¹ Ce	¹⁴³ Ce
¹⁴² Pr	¹⁴³ Pr	¹⁴⁷ Nd	¹⁴⁹ Nd	¹⁴⁷ Pm	¹⁴⁹ Pm	¹⁵¹ Sm	¹⁵³ Sm
^{152m} Eu (h)		¹⁵⁵ Eu	¹⁵³ Gd	¹⁵⁹ Gd	¹⁶⁵ Dy	¹⁶⁶ Dy	¹⁶⁶ Ho
¹⁶⁹ Er	¹⁷¹ Er	¹⁷¹ Tm	¹⁷⁵ Yb	¹⁷⁷ Lu	¹⁸¹ W	¹⁸⁵ W	¹⁸⁷ W
¹⁸³ Re	¹⁸⁶ Re	¹⁸⁸ Re	¹⁸⁵ Os	¹⁹¹ Os	¹⁹³ Os	¹⁹⁰ Ir	¹⁹⁴ Ir
¹⁹¹ Pt	¹⁹³ Pt	¹⁹⁷ Pt	¹⁹⁶ Au	¹⁹⁸ Au	¹⁹⁹ Au	¹⁹⁷ Hg	^{197m} Hg
²⁰³ Hg	²⁰⁰ Tl	²⁰¹ Tl	²⁰² Tl	²⁰³ Pb	²⁰⁶ Bi	²¹² Bi	²²⁰ Rn
²²² Rn	²²⁶ Th	²³¹ Th	²³⁴ Th	²³³ Pa	²³¹ U	²³⁷ U	²⁴⁰ U
²⁴⁰ U+	²⁴⁰ Np	²³⁹ Np	²³⁴ Pu	²³⁷ Pu	²⁴⁵ Pu	²³⁸ Am	²⁴⁰ Am
^{244m} Am	²⁴⁴ Am	²³⁸ Cm	²⁵⁰ Bk	²⁴⁴ Cf	²⁵⁴ Fm		

(d) Low radiotoxicity (group 4):

³ H	¹⁵ O	³⁷ Ar	⁵¹ Mn	^{52m} Mn	⁵³ Mn	⁵⁶ Mn	^{58m} Co
^{60m} Co	⁶¹ Co	^{62m} Co	⁵⁹ Ni	⁶⁹ Zn	⁷¹ Ge	⁷⁶ Kr	⁷⁹ Kr
⁸¹ Kr	^{83m} Kr	^{85m} Kr	⁸⁵ Kr	⁸⁰ Sr	⁸¹ Sr	^{85m} Sr	^{87m} Sr
^{91m} Y	⁸⁸ Nb	^{89(66m)} Nb		^{89(122m)} Nb		⁹⁷ Nb	⁹⁸ Nb
^{93m} Mo	¹⁰¹ Mo	^{96m} Tc	^{99m} Tc	^{103m} Rh	^{113m} In	¹¹⁶ Te	¹²³ Te
¹²⁷ Te	¹²⁹ Te	¹³³ Te	^{120m} I	¹²¹ I	¹²⁸ I	¹²⁹ I	¹³⁴ I
^{131m} Xe	¹³³ Xe	¹²⁵ Cs	¹²⁷ Cs	¹²⁹ Cs	¹³⁰ Cs	¹³¹ Cs	^{134m} Cs
¹³⁵ Cs	^{135m} Cs	¹³⁸ Cs	¹³⁷ Ce	^{191m} Os	^{193m} Pt	^{197m} Pt	²⁰³ Po
²⁰⁵ Po	²⁰⁷ Po	²²⁷ Ra	²³⁵ U	²³⁸ U	²³⁹ U	U nat(*)	
²³⁵ Pu	²⁴³ Pu	²³⁷ Am	²³⁹ Am	²⁴⁵ Am	^{246m} Am	²⁴⁶ Am	²⁴⁹ Cm

- In the case of the nuclides ¹¹⁵In, ¹⁴⁴Nd, ⁸⁷Rb, ¹⁸⁷Re and ¹⁴⁷Sm the requirement for obtaining prior authorisation may be waived, irrespective of the quantities.
- In the case of a mixture of radionuclides other than Th-nat and U-nat belonging to different radiotoxicity groups, the requirements for obtaining prior authorisation may be waived only if the sum of the ratios between the activity of each of the radionuclides and the limit laid down in paragraph 1 for the group to which it belongs is less than or equal to 1.

5. For waste radioluminescent paint, the requirements for obtaining prior authorisation need not be applied if the overall activity in radioactive substances does not exceed $2 \cdot 10^9$ Bq of tritium ($5.4 \cdot 10^2$ Ci), $1 \cdot 10^8$ Bq of ^{147}Pm ($2.7 \cdot 10^3$ Ci) or $5 \cdot 10^5$ Bq of ^{226}Ra ($1.4 \cdot 10^5$ Ci).
6. Radionuclides not included in this Annex shall, where necessary, be assigned to a toxicity group by the competent authority.

B. The concentration of radioactive substances exceed 100 Bq g^{-1} , this limit being increased to 500 Bq g^{-1} for solid natural radioactive substances.

* * * * *

Alphabetical list of elements

Atomic Number	Name	Atomic Number	Name
Ac	Actinium	N	Nitrogen
Ag	Silver	Na	Sodium
Al	Aluminium	Nb	Niobium
Am	Americium	Nd	Neodymium
Ar	Argon	Ne	Neon
As	Arsenic	Ni	Nickel
At	Astatine	No	Nobelium
Au	Gold	Np	Neptunium
B	Boron	O	Oxygen
Ba	Barium	Os	Osmium
Be	Beryllium	P	Phosphorus
Bi	Bismuth	Pa	Protactinium
Bk	Berkelium	Pb	Lead
Br	Bromine	Pd	Palladium
C	Carbon	Pm	Promethium
Ca	Calcium	Po	Polonium
Cd	Cadmium	Pr	Praseodymium
Ce	Cerium	Pt	Platinum
Cf	Californium	Pu	Plutonium
Cl	Chlorine	Ra	Radium
Cm	Curium	Rb	Rubidium
Co	Cobalt	Re	Rhenium
Cr	Chromium	Rh	Rhodium
Cs	Cesium/Cesium	Rn	Radon

Cu	29	Copper	Ru	44	Ruthenium
Dy	66	Dysprosium	S	16	Sulphur
Er	68	Erbium	Sb	51	Antimony
Es	99	Einsteinium	Sc	21	Scandium
Eu	63	Europium	Se	34	Selenium
F	9	Fluorine	Si	14	Silicon
Fe	26	Iron	Sm	62	Samarium
Fm	100	Fermium	Sn	50	Tin
Fr	87	Francium	Sr	38	Strontium
Ga	31	Gallium	Ta	73	Tantalum
Gd	64	Gadolinium	Tb	65	Terbium
Ge	32	Germanium	Tc	43	Technetium
H	1	Hydrogen	Te	52	Tellurium
He	2	Helium	Th	90	Thorium
Hf	72	Hafnium	Ti	22	Titanium
Hg	80	Mercury	Tl	81	Thallium
Ho	67	Holmium	Tm	69	Thulium
I	53	Iodine	U	92	Uranium
In	49	Indium	V	23	Vanadium
Ir	77	Iridium	W	74	Tungsten
K	19	Potassium	Xe	54	Xenon
Kr	36	Krypton	Y	39	Yttrium
La	57	Lanthanum	Yb	70	Ytterbium
Li	3	Lithium	Zn	30	Zinc
Lu	71	Lutecium	Zr	40	Zirconium
Md	101	Mendelevium			
Mg	12	Magnesium			
Mn	25	Manganese			
Mo	42	Molybdenum			

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ANNEX II

**INFORMATION REQUIRED IN THE STANDARD DOCUMENT FOR THE
SUPERVISION AND CONTROL OF SHIPMENTS OF RADIOACTIVE WASTE**

Registration No:

SECTION 1

(to be completed by the authorities responsible for issuing the shipment authorisation)

**APPLICATION FOR AUTHORISATION FOR THE SHIPMENT OF
RADIOACTIVE WASTE**

Box 1: Type of shipment (tick where appropriate)

- A. Export
- B. Import
- C. Transit

Box 2: Application for authorisation (tick where appropriate)

Authorisation for:

- Single shipment
 - Several shipments
 - Planned period of execution:
- Number of shipments planned:

Box 3: Holder's Details

Holder (Trade name):
Contact person: Mr/Ms
Address:
Postcode:
Country:
Tel.:
Fax:
Telex:

Box 4: Details of the place where the waste is held (This part is to be completed if the information to be entered differs from that in Box 3.)

Place where the waste is held:
Contact person: Mr/Ms
Address:
Post code:

Country:

Tel.:

Fax:

Telex:

Box 5: Waste characteristics

Nature of the waste:

Physico-chemical characteristics:

Main radionuclides:

Maximum alpha activity/package: (GBq)

Maximum beta/gamma activity/package: (GBq)

Box 6: Activity of the waste

Total alpha activity (GBq):

Total activity beta/gamma (GBq):

Total number of packages:

Total net weight of waste (kg):

Total gross weight (kg):

Total volume (optional):

(These values are estimates if the application relates to several shipments.)

Model of packages containing the waste (e.g. plastic bags, metal drums 200 litres, ISO transport container, etc.):

Means of identification of the packages (if labelling is used, annex examples):

Box 7: Other hazardous categories (tick where appropriate)

Category 1 - Explosive substances

Category 2 - Gas (compressed, liquefied or dissolved under pressure)

Category 3 - Inflammable liquids

Category 4

4.1. Inflammable solids

4.2. Substances liable to spontaneous combustion

4.3. Substances, which on contact with water, give off inflammable gases

Category 5

5.1. Oxidizing substances

5.2. Organic peroxides

Category 6

6.1. Toxic substances

6.2. Substances liable to provoke disgust or infection

Category 8 - Corrosive substances

Category 9 - Various dangerous substances

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Box 8: Type of activity giving rise to the waste (tick where appropriate)

- Medical
- Research
- Industry
- Nuclear industry
- Other activity (to be specified)

Box 9: Purpose of the shipment (tick where appropriate)

Return of waste resulting from re-treatment of irradiated fuel:

Treatment and/or packaging of waste:

Return of waste after treatment and/or packaging:

Interim storage:

Return after interim storage:

Final disposal:

Other purposes (to be specified):

Box 10: Details of route

Proposed form of transport (possibly more than one):

- road
- rail
- sea
- air
- inland waterway

Point of departure:

Point of arrival:

Proposed carrier (possibly more than one):

- 1.
- 2.
- 3.
- 4.
- 5.

Box 11: Ordered list of countries involved in the shipment

(the first country is that where the waste is held and the last the country of destination)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Box 12: Details of the consignee

Consignee (trade name):

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Box 13: Details of the place of destination of the waste (this box is to be completed if the information to be entered differs from that in box 12)

Place of destination (trade name):

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Box 14: Details of the applicant

Applicant (trade name):

Person responsible: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

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Box 15: Declaration

In accordance with the provisions of Legal Notice ____ of 2001, I hereby:

- (i) apply for authorisation to make the shipment(s) of radioactive waste described above;
- (ii) certify that the information provided above is correct to the best of my knowledge and that the shipment(s) will be carried out in accordance with all the relevant statutory provisions;
- (iii) undertake to take back the waste if the shipment(s) cannot take place or if the conditions for shipment cannot be fulfilled.

Date and place:

Stamp:

Signature:

SECTION 2

(to be completed by the authorities responsible for issuing the shipment authorisation)

REQUEST FOR APPROVAL BY THE COMPETENT AUTHORITY/IES OF TRANSIT AND DESTINATION

Box 16: Details of the competent authority responsible for issuing the authorisation for shipment in the country of origin

Competent authority:

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Box 17: Date of registration of the application

Date:

Stamp:

Signature:

Box 18: Details of the competent authority/ies of the country/ies consulted:

Country/ies of transit:
Name of the competent authority/ies:
Contact person: Mr/Ms
Address:
Post code:
Country:
Tel.:
Fax:
Telex:

Country of destination:
Name of the competent authority:
Contact person: Mr/Ms
Address:
Post code:
Country:
Tel.:
Fax:
Telex:

Box 19: Approval for the shipment application by the authorities of the country/ies consulted

Yes (conditions if any):
No (reason for the refusal):

Conditions if any or Reason for the refusal:

Date and place:
Stamp:
Signature:

B 3804

SECTION 3

Registration No:

(to be completed by the authorities responsible for issuing the shipment authorisation)

MONITORING OF RADIOACTIVE WASTE SHIPMENTS

AUTHORISATION NOTE

Box 20: Details of the competent authority/ies responsible for issuing authorisation for shipment

Competent authority of the country of origin

Name of the competent authority:

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Competent authority/ies of the country/ies of transit

Name of the competent authority:

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Competent authority of the country of destination

Name of the competent authority:

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Box 21: Authorisation

Yes Valid for a single shipment:
 Valid for several shipments:

No Valid for a single shipment:
 Valid for several shipments:

Date of expiry of the authorisation:

Box 22: Sequential list of the countries involved in the shipment
(the first country is that where the waste is held and the last is the country of destination)

1. Country:
 Conditions: Yes
 No

2. Country:
 Conditions: Yes
 No

3. Country:
 Conditions: Yes
 No

4. Country:
 Conditions: Yes
 No

5. Country:
 Conditions: Yes
 No

Box 23: List of conditions

(indicating the country imposing the conditions and any references to attached documents; reasons for refusal should also be attached)

Box 24: Decision

The decision adopted and recorded in this section has been reached in accordance with the provisions of these regulations. The competent authority/ies consulted are informed that the authorisation for radioactive waste shipment has been granted or refused.

Date and place:

Stamp:

Signature of the person responsible:

B 3806

N.B.

1. This authorisation in no way diminishes the responsibility of the holder, carrier, owner, consignee or any other physical or legal person involved in the shipment.
2. The wastes shipped must be accompanied by sections 1, 3 and 4, duly completed.

SECTION 4

Registration No:

(to be completed by the authorities responsible for issuing the shipment authorisation)

MONITORING OF RADIOACTIVE WASTE SHIPMENTS

LIST OF PACKAGES NOTE

Box 25: Details of the holder

Holder (trade name):

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Box 26: Shipments covered by the authorisation

The authorisation covers:

- A single shipment
- Several shipments

Serial number of the shipment:

Box 27: Waste characteristics

Nature of the waste:

Physico-chemical characteristics:

Main radionuclides:

Maximum alpha activity/package (GBq):

Maximum beta/gamma activity/package (GBq):

Model of packages containing the waste (e.g. plastic bags, metal drums of 200 litres capacity, ISO transport containers, etc.):

Box 28: Activity of the waste

Total alpha activity (GBq):
Total beta/gamma activity (GBq):
Total number of packages:
Total net weight of the waste (Kg):
Total gross weight (Kg):
Total volume (optional):

Box 29: Identification of the packages containing the waste

Identification number of each package:
Gross weight (Kg)/package:
Net weight (Kg)/package:
Activity (GBq)/package:

See attached list (if the space provided above is inadequate), or (if preferred) the attached document containing the above mentioned data.

Box 30:

Date of dispatch:

I hereby certify that the information provided in this section (and the attached list) is correct to the best of my knowledge.

Date and place:
Stamp:
Signature of the holder:

B 3808

SECTION 5

Registration No:

(to be completed by the authorities responsible for issuing the shipment authorisation)

MONITORING OF RADIOACTIVE WASTE SHIPMENTS

ACKNOWLEDGEMENT OF RECEIPT OF THE WASTE NOTE

Box 31: Details of the consignee

Consignee (trade name):

Contact person: Mr/Ms

Address:

Post code:

Country:

Tel.:

Fax:

Telex:

Place where the waste is held:

Contact person: Mr/Ms

Address:

Post code: Town: Country:

Tel.: Fax: Telex:

Box 32: Authorisation granted for:

- A single shipment
- Several shipments Serial number of shipment:

Box 33: Details of receipt of the waste

Date of receipt of the waste:

Date of dispatch of the acknowledgement of receipt together with section 4:

The acknowledgement of receipt must be sent to:

The competent authority of the country of origin

The competent authority/ies of transit

The competent authority of destination

I hereby certify that the information provided above is correct to the best of my knowledge.

Stamp:

Signature of the consignee:

NB:

1. Copies of sections 4 and 5 must be sent to the competent authority which issued the authorisation, the competent authority of the country of destination and the competent authority/ies of the country/ies of transit (if any).
2. The originals of sections 4 and 5 must be sent to the competent authority which issued the authorisation.

NOTES

SECTION 1: APPLICATION FOR AUTHORISATION FOR THE SHIPMENT OF RADIOACTIVE WASTE

1. The applicant must complete boxes 1 to 15 and must then send the entire standard document (sections 1 to 5) to the competent authority of the country of origin, which is responsible for issuing the authorisation for the radioactive waste shipment.
2. Sections 1, 3 and 4 must accompany the waste during the shipment.

SECTION 2: REQUEST FOR APPROVAL BY THE COMPETENT AUTHORITY/IES OF TRANSIT AND DESTINATION

1. The competent authority responsible for issuing the authorisation for the shipment of radioactive waste should complete boxes 16 and 17 immediately on receipt of the application and enter the registration number at the top of each section of the standard document. The competent authority should then make sufficient copies of section 2 to send to any other competent authority/ies whose approval is required for the shipment(s) to be authorized (i.e. competent authorities of transit and destination). For each competent authority to be consulted, box 18 should be duly completed on a copy of section 2. That copy of section 2, together with a copy of section 1, should be sent to the competent authority/ies to be consulted named therein.
2. The competent authority/ies consulted should make any necessary additional entries in box 18 and should give the application due consideration. Within two months from the date of receipt, the competent authority/ies consulted should complete box 19 and return the original copy of section 2 to the competent authority responsible for issuing the authorisation. An extension of up to one month in the time required to consider an

application may be requested by the competent authority/ies consulted. Failure to complete and return the form by the due time shall be taken as deemed approval of the shipment application. Any conditions for approval or reasons for refusal should also be conveyed to the competent authority responsible for issuing the authorisation.

SECTION 3: MONITORING OF RADIOACTIVE WASTE SHIPMENTS - SHIPMENT AUTHORISATION NOTE

The competent authority responsible for issuing the authorisation for shipment must:

1. complete this section, bearing in mind, when completing box number 21, that the maximum period of validity for the authorisation is three years;
2. send it to the applicant together with the other sections necessary for the procedure (that is, sections 1, 3, 4 and 5);
3. send copies of this section to the other competent authority/ies consulted.

SECTION 4: MONITORING OF RADIOACTIVE WASTE SHIPMENTS - LIST OF PACKAGES NOTE

1. This list must be completed by the holder of the radioactive waste before each shipment (even if the authorisation relates to several shipments). Like sections 1 and 3 of the standard document, this section should accompany the waste during shipment. It is then attached to the acknowledgement of receipt.

SECTION 5: MONITORING OF RADIOACTIVE WASTE SHIPMENTS - ACKNOWLEDGEMENT OF RECEIPT OF THE WASTE NOTE

1. This section must be completed by the consignee, any necessary additions being made by the applicant.
2. Depending on whether the authorisation is for one or several shipments, the procedure to be adopted is as follows:

Authorisation for a single shipment:

Within 15 days of receiving the waste, the consignee must complete section 5, and submit sections 4 and 5 to the applicant, the competent authority of destination, the competent authority which issued the authorisation and the competent authority/ies of transit (if any).

Authorisation for several shipments:

1. The consignee must complete section 5 after each shipment (having made several copies of a blank section 5 for this purpose) and submit sections 4 and 5 directly to the competent authority which issued the authorisation.

2. When all the shipments covered by an authorisation have been carried out, the final acknowledgement of receipt is completed and submitted as if the authorisation were valid for a single shipment only (see above) except that:
 - it is stated in box 32 of section 5 that the shipment in question is the last shipment covered by the authorisation;
 - any declaration made by a consignee must state that all the waste covered by the shipping authorisation has indeed arrived;
 - to provide an overview, section 4 for each of the shipments covered by the authorisation must be attached to the final acknowledgement of receipt.