



The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009

Authorisation No 500 (Rev 1)

This authorisation is given in accordance with Regulation 12 of the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), as amended.

CARRIAGE COVERED BY THIS AUTHORISATION

This authorisation is for the transport by road and rail of radioactive material.

REASON FOR AUTHORISATION

To permit the transport of radioactive material containing very low levels of activity disposed of in general refuse collection service.

To permit carriers of material consigned according to this authorisation to transport without reference to Part 2 of the regulations covering the transport of radioactive material.

If the activity in a waste material is sufficiently low for it to fall within the “dustbin limits” in the regulations covering the disposal of radioactive material in Great Britain¹ the risk from transport is minimal. Consequently it is assessed to be safe to transport it without regard to its radioactive content.

TIME LIMIT

This authorisation supersedes Authorisation No. 500 dated 4 December 2015 and remains valid until 30 April 2021.

AUTHORISATION

Consignments of radioactive material whose activity does not exceed that in Table 1 below is authorised to be transported without reference to those provisions of Part 2 of CDG2009 pertaining solely to Class 7 material provided that:


- it is being transported for disposal.

¹ The Environmental Permitting (England & Wales) (Amendment) Regulations 2011 and the Radioactive Substances Exemption (Scotland) Order 2011

- carriage shall be carried out by the waste disposal service(s) usually used by the consignor to collect non-radioactive waste.
- no consignor may present for transport in any 0.1 m³ volume of waste activities exceeding those specified in the second column of Table 1 below².
- no consignor may consign in any one year activities exceeding those specified in the third column of Table 1 below².
- None of the radionuclides Cf-252, Cf-254 or Cm-248 are present.

Table 1

Radioactive Wastes	Maximum concentration of radionuclides per 0.1 m³	Maximum quantity of radioactivity to be disposed of per year
Solid radioactive waste, with no single item > 4 x 10 ⁴ Bq.	4 x 10 ⁵ Bq for the sum of all radionuclides.	2 x 10 ⁸ Bq
Solid radioactive waste containing tritium and C-14 only, with no single item > 4 x 10 ⁵ Bq.	4 x 10 ⁶ Bq of tritium and C-14	2 x 10 ⁹ Bq
Individual sealed sources.	2 x 10 ⁵ Bq for the sum of all radionuclides.	1 x 10 ⁷ Bq
Individual sealed sources which are solely radioactive waste because they contain tritium.	2 x 10 ¹⁰ Bq of tritium.	1 x 10 ¹³ Bq
Luminised articles with no single item containing > 8 x 10 ⁷ Bq of Pm-147 or > 4 x 10 ⁹ Bq of tritium.	8 x 10 ⁷ Bq of Pm-147 or 4 x 10 ⁹ Bq of tritium.	2 x 10 ⁹ Bq of Pm-147 or 1 x 10 ¹¹ Bq of tritium.


 Superintending Inspector
 Office for Nuclear Regulation

19 August 2016

² The limits in Table 1 appears in Table 6 of Schedule 1 to The Environmental Permitting (England & Wales) (Amendment) Regulations 2011 and Table 3 of the Radioactive Substances Exemption (Scotland) Order 2011