

Pt. 110, App. M

10 CFR Ch. I (1–12 Edition)

Tellurium 125m (Te 125m)	Thallium 202 (Tl 202)	Xenon 131m (Xe 131m)	Yttrium 91 (Y 91)
Tellurium 127m (Te 127m)	Thallium 204 (Tl 204)	Xenon 133 (Xe 133)	Yttrium 92 (Y 92)
Tellurium 127 (Te 127)	Thulium 170 (Tm 170)	Xenon 135 (Xe 135)	Yttrium 93 (Y 93)
Tellurium 127 (Te 127)	Thulium 171 (Tm 171)	Ytterbium 175 (Yb 175)	Zinc 65 (Zn 65)
Tellurium 129m (Te 129m)	Tin 113 (Sn 113)	Yttrium 87 (Y 87)	Zinc 69m (Zn 69m)
Tellurium 129 (Te 129)	Tin 123 (Sn 123)	Yttrium 88 (Y 88)	Zinc 69 (Zn 69)
Tellurium 131m (Te 131m)	Tin 125 (Sn 125)	Yttrium 90 (Y 90)	Zirconium 93 (Zr 93)
Tellurium 132 (Te 132)	Tin 126 (Sn 126)		Zirconium 95 (Zr 95)
Terbium 160 (Tb 160)	Titanium 44 (Ti 44)		Zirconium 97 (Zr 97)
Thallium 200 (Tl 200)	Tritium (H3)	[58 FR 13005, Mar. 9, 1993, as amended at 59 FR 48998, Sept. 26, 1994. Redesignated and amended at 61 FR 35603, 35607, July 8, 1996; 65 FR 70292, Nov. 22, 2000; 71 FR 20339, Apr. 20, 2006; 75 FR 44093, July 28, 2010]	
Thallium 201 (Tl 201)	Tungsten 181 (W 181)		
	Tungsten 185 (W 185)		
	Tungsten 187 (W 187)		
	Vanadium 48 (V 48)		

APPENDIX M TO PART 110—CATEGORIZATION OF NUCLEAR MATERIAL^d
 [From IAEA INFCIRC/225, Rev. 1]

Material	Form	Category		
		I	II	III ^e
1. Plutonium ^a	Unirradiated ^b	2 kg or more	Less than 2 kg but more than 500 g.	500 g or less.
2. Uranium-235 ^c	Unirradiated ^b :			
	Uranium enriched to 20 pct U ²³⁵ or more.	5 kg or more	Less than 5 kg but more than 1 kg.	1 kg or less.
	Uranium enriched to 10 pct U ²³⁵ but less than 20 pct.	10 kg or more	Less than 10 kg.
	Uranium enriched above natural, but less than 10 pct U ²³⁵	10 kg or more.
3. Uranium-233	Unirradiated ^b	2 kg or more	Less than 2 kg but more than 500 g.	500 g or less.

^a All plutonium except that with isotopic concentration exceeding 80 pct in plutonium-238.
^b Material not irradiated in a reactor or material irradiated in a reactor but with a radiation level equal to or less than 100 rd/h at 1 m unshielded.
^c Natural uranium, depleted uranium, thorium and quantities of uranium enriched to less than 10% not falling into Category III should be protected in accordance with prudent management practice.
^d Irradiated fuel should be protected as category I, II, or III nuclear material depending on the category of the fresh fuel. However, fuel which by virtue of its original fissile material content is included as category I or II before irradiation should only be reduced one category level, while the radiation level from the fuel exceeds 100 rd/h at 1 m unshielded.
^e Physical security determinations will not be required for 15 g or less of plutonium, uranium-233 or high-enriched uranium, or for 1 kg or less of uranium with an enrichment between 10 and 20 pct in uranium-235.

(Sec. 161, as amended, Pub. L. 83-703, 68 Stat. 948 (42 U.S.C. 2201); sec. 201, as amended, Pub. L. 93-438, 88 Stat. 1243 (42 U.S.C. 5841))

[43 FR 21641, May 19, 1978. Redesignated and amended at 49 FR 47204, Dec. 3, 1984. Further redesignated at 55 FR 30450, July 26, 1990; 58 FR 13005, Mar. 9, 1993; 61 FR 35603, July 8, 1996]

APPENDIX N TO PART 110—ILLUSTRATIVE LIST OF LITHIUM ISOTOPE SEPARATION FACILITIES, PLANTS AND EQUIPMENT UNDER NRC'S EXPORT LICENSING AUTHORITY

- a. Facilities or plants for the separation of lithium isotopes.
- b. Equipment for the separation of lithium isotopes, such as:
 - (1) Packed liquid-liquid exchange columns especially designed for lithium amalgams;
 - (2) Mercury and/or lithium amalgam pumps;
 - (3) Lithium amalgam electrolysis cells;

- (4) Evaporators for concentrated lithium hydroxide solution.

[65 FR 70292, Nov. 22, 2000]

APPENDIX O TO PART 110—ILLUSTRATIVE LIST OF FUEL ELEMENT FABRICATION PLANT EQUIPMENT AND COMPONENTS UNDER NRC'S EXPORT LICENSING AUTHORITY

NOTE: Nuclear fuel elements are manufactured from source or special nuclear material. For oxide fuels, the most common type of fuel equipment for pressing pellets, sintering, grinding and grading will be present. Mixed oxide fuels are handled in glove boxes (or equivalent containment) until they are