

TABLE: CATEGORIZATION OF NUCLEAR MATERIAL

Material	Form	Category I	Category II	Category III
1. Plutonium <sup>a</sup>	Unirradiated <sup>b</sup>	2 kg or more	Less than 2 kg but more than 500 g	500 g or less <sup>c</sup>
2. Uranium - 235	Unirradiated <sup>b</sup>	5 kg or more	Less than 5 kg but more than 1 kg	1 kg or less <sup>c</sup>
	- uranium enriched to 20% <sup>235</sup> U or more	-	10 kg or more	Less than 10 kg <sup>c</sup>
	- uranium enriched to 10% <sup>235</sup> U but less than 20%	-	-	10 kg or more
3. Uranium - 233	Unirradiated <sup>b</sup>	2 kg or more	Less than 2 kg but more than 500 g	500 g or less <sup>c</sup>
	Irradiated Fuel		Depleted or natural uranium, thorium or low enriched fuel (less than 10% fissile content) <sup>e</sup>	

a. All plutonium except that with isotopic concentration exceeding 80% 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 rad/hour at one metre unshielded.

c. Less than a radiologically significant quantity should be exempted.

d. Natural uranium, depleted uranium and thorium and quantities of uranium enriched to less than 10% not falling in Category III should be protected in accordance with prudent management practice.

e. Other fuel which by virtue of its original fissile material content is classified as Category I or II before irradiation may be reduced one category level when the radiation level from the fuel exceeds 100 rad/hour at one metre unshielded.