

2007 Balance of Separated Plutonium Held in Japan

Total (kgPu)

Plutonium separated at reprocessing facilities	1,991
Plutonium loaded into reactors	- 23
Variation in processes at each facility	0
Balance	1,968

JAEA Reprocessing Facility (Tokai) (from separation & purification process to storage of raw materials)		
Items		Increase/Decrease
Inventory as of 1 January 2007 (end 2006)		817
Total amount of plutonium separated in 2007		111
Total amount of plutonium shipped out in 2007		- 130
Variation in processes at reprocessing facilities		- 2
Detailed breakdown	Transfer to retained waste	- 4.5
	Retransfer from retained waste	1.9
	Nuclear loss	- 1.6
	Measured discard	- 3.4
	Material unaccounted for (MUF)	5.3
Inventory as of 31 December 2007		795

JAEA Plutonium Fabrication Facility (from mixed oxide powder (MOX) raw material to fuel assembly products)		
Items		Increase/Decrease
Inventory as of 1 January 2007 (end 2006)		3,845
Total amount of plutonium received in 2007		130
Total amount of plutonium shipped out in 2007		- 21
Variation in processes at fuel fabrication facilities		8
Detailed breakdown	Shipper/receiver difference	0.0
	Transfer to retained waste	- 0.1
	Retransfer from retained waste	9.4
	Nuclear loss	- 1.5
	Material unaccounted for (MUF)	0.2
Inventory as of 31 December 2007		3,962

Nuclear Reactor and other Facilities (Joyo, Fugen, Monju, Commercial Reactors, R&D Facilities)		
Items		Increase/Decrease
Inventory as of 1 January 2007 (end 2006)		1,354
Total amount of plutonium received in 2007		21
Total amount of plutonium loaded in nuclear reactors during 2007		- 23
Inventory as of 31 December 2007		1,352