

2009 Balance of Separated Plutonium Held in Japan

Total (kgPu)

Plutonium separated at reprocessing facilities	0
Plutonium loaded into nuclear reactors	- 1,345
Variation in processes at each facility	- 8
Total imported into nuclear reactors and other facilities	1,720
Balance	367

JAEA Reprocessing Facility (Tokai) (from separation & purification process to storage of raw materials)		
Items		Increase/Decrease
Inventory as of 1 January 2009 (the end of 2008)		780
Total amount of plutonium separated in 2009		0
Total amount of plutonium shipped out in 2009		0
Variation in processes at reprocessing facilities		- 3
Detailed breakdown	Transfer to retained waste	- 0.2
	Retransfer from retained waste	0.0
	Nuclear loss	- 2.5
	Measured discard	0.0
	Material unaccounted for (MUF)	- 0.4
Inventory as of 31 December 2009		777

JAEA Plutonium Fabrication Facility (from mixed oxide powder (MOX) raw material to fuel assembly products)		
Items		Increase/Decrease
Inventory as of 1 January 2009 (the end of 2008)		3,620
Total amount of plutonium received in 2009		1
Total amount of plutonium shipped out in 2009		- 130
Variation in processes at fuel fabrication facilities		- 8
Detailed breakdown	Shipper/receiver difference	0.0
	Transfer to retained waste	0.0
	Retransfer from retained waste	0.1
	Nuclear loss	- 7.1
	Material unaccounted for (MUF)	- 0.7
Inventory as of 31 December 2009		3,483

Nuclear Reactors and other Facilities (Joyo, Fugen, Monju, Commercial Reactors, R&D Facilities)		
Items		Increase/Decrease
Inventory as of 1 January 2009 (the end of 2008)		1,692
Total amount of plutonium received in 2009 (including for pluthermal)		1,851
Total amount of plutonium loaded in nuclear reactors during 2009		- 1,345
Total amount of plutonium shipped out in 2009		- 1
Inventory as of 31 December 2009		2,196