

## 2008 Balance of Separated Plutonium Held in Japan

### Total (kgPu)

Plutonium separated at reprocessing facilities	997
Plutonium loaded into reactors	0
Variation in processes at each facility	- 20
<b>Balance</b>	<b>997</b>

<b>JAEA Reprocessing Facility (Tokai)</b> (from separation & purification process to storage of raw materials)		
Items		Increase/Decrease
Inventory as of 1 January 2008 (end 2007)		795
Total amount of plutonium separated in 2008		0
Total amount of plutonium shipped out in 2008		- 15
Variation in processes at reprocessing facilities		0
Detailed breakdown	Transfer to retained waste	- 0.6
	Retransfer from retained waste	0.1
	Nuclear loss	- 1.5
	Measured discard	0.0
	Material unaccounted for (MUF)	1.8
Inventory as of 31 December 2008		780

<b>JAEA Plutonium Fabrication Facility</b> (from mixed oxide powder (MOX) raw material to fuel assembly products)		
Items		Increase/Decrease
Inventory as of 1 January 2008 (end 2007)		3,962
Total amount of plutonium received in 2008		15
Total amount of plutonium shipped out in 2008		- 340
Variation in processes at fuel fabrication facilities		- 17
Detailed breakdown	Shipper/receiver difference	0.0
	Transfer to retained waste	0.0
	Retransfer from retained waste	0.1
	Nuclear loss	- 16.7
	Material unaccounted for (MUF)	0.1
Inventory as of 31 December 2008		3,620

<b>Nuclear Reactor and other Facilities</b> (Joyo, Fugen, Monju, Commercial Reactors, R&D Facilities)		
Items		Increase/Decrease
Inventory as of 1 January 2008 (end 2007)		1,352
Total amount of plutonium received in 2008		340
Total amount of plutonium loaded in nuclear reactors during 2007		0
Inventory as of 31 December 2008		1,692