

2006 Increase/Decrease in Inventory of Separated Plutonium Held in Japan

Total (kgPu)

Separated at reprocessing facilities	903
Loaded into reactors	- 57
Increase/decrease during processes within facilities	- 16
Total increase/decrease	830

JAEA Reprocessing Facility (separation & purification to storage of mixed and converted raw material)		
Item	Increase/Decrease	
Quantity held at 1 January 2006 (end 2005)	824	
Separated during 2006	165	
Outgoings during 2006 (removed from facility)	- 166	
Increase/decrease during processes within reprocessing facility	- 6	
Detailed breakdown	Transfer to retained waste	- 6.2
	Retransfer (recovered) from retained waste	3.5
	Nuclear loss (radioactive decay)	- 1.7
	Measured discard	- 3.6
	Material unaccounted for	2.2
Quantity held at 31 December 2006	817	

JAEA MOX Fabrication Facility (from mixed oxide powder (MOX) to completed fuel assemblies)		
Item	Increase/Decrease	
Quantity held at 1 January 2006 (end 2005)	3,727	
Received during 2006	166	
Outgoings during 2006 (removed from facility)	- 40	
Increase/decrease during processes within reprocessing facility	- 8	
Detailed breakdown	Shipper/receiver difference	- 0.4
	Transfer to retained waste	- 0.0
	Retransfer (recovered) from retained waste	0.0
	Nuclear loss (radioactive decay)	- 8.9
	Material unaccounted for	1.0
Quantity held at 31 December 2006	3,845	

Nuclear Reactor Facilities Etc. (Joyo, Fugen, Monju, power reactors in use, research and development facilities)	
Item	Increase/Decrease
Quantity held at 1 January 2006 (end 2005)	1,372
Received during 2006	40
Loaded during 2006	- 57
Quantity held at 31 December 2006	1,354