Table-1 The Plutonium-Use Plan for Research and Development in JAEA for JFY 2010

3,15, 2010

JAEA

Holder	Amount of spent fuel to be reprocessed in JFY2010 Weight of spent fuel (tU)	Amount of Pu in possession[*1](tPuf)[*2]				Purpose of Use[*6]		
						Research and development of fast breeder reactor, etc.		
		Amount of Pu to be held at the end of JFY2009 (A)	Amount of Pu to be recovered in JFY2010 (B)	Amount of Pu to be used in JFY2010 (C)	Amount of Pu to be held at the end of JFY2010 (D)	Place of use	Amount of Pu to be used (Rough estimate for annual use)[*7] (tPuf/year)[*2]	Expected beginning and duration of Pu usage
JAEA	5	3.1[*3] 《0.3》[*4]	0.01	0.2[*5]	3.0[*10]	Experimental Fast Reactor "Joyo"	0.1	ca. two year[*8]
						Prototype Fast Breeder Reactor "Monju"	0.5	begins in JFY2011 for ca. seven year[*9]

*1: "Amount of Pu in possession" includes plutonium which was recovered in the Tokai Reprocessing Plant (TRP) based on the reprocessing service contract with Electric Power Companies (EPC), but not yet transferred from EPC to the JAEA. The reason is that the JAEA plans to use the plutonium for Joyo and Monju after transfer from EPC. (D=A+B-C)
The JAEA plans to use a part of the plutonium to be recovered at the Japan Nuclear Fuel Ltd. (JNFL) Rokkasho Reprocessing Plant after transfer from EPC. A fixed amount of the plutonium will be announced in this plutonium-use plan after a decision is available in the future.

*2: "tPuf" represents a metric ton of fissile plutonium (Puf) contained in plutonium.

*3: "3.1 tPuf"of the "Separated Pu" to be held by JAEA at the end of JFY2009 excludes about 0.4 tPuf, which is dedicated to experimental purposes as fuel for a criticality test assembly FCA in the Tokai site and is the figure from deducting Puf consumption during JFY 2009 in Monju, ca 0.5t-Puf as fresh fuel loading to the core

*4: The number in parenthesis 《0.3》 tPuf shows the amount of the "separated Pu" already fabricated into fuel assemblies for Joyo and Monju

*5: The number is the planned usage amount of Pu loading to the Monju core only. No other JAEA reactors are planned to be newly loaded in JFY2010.

*6: In addition to plutonium use for Joyo and Monju, a small amount of plutonium will be used in the JAEA's research and development facilities under a limited-quantity license for specific research and development purposes.

*7: "Rough estimate for annual use" represents an annual average amount of plutonium contained in MOX fuel to be loaded into Joyo and Monju during standard reactor operations.

*8: Joyo is carrying out examination on the countermeasure for the obstacle of the in-vessel storage rack which occurred in 2007. In accordance with the result of this examination, JAEA will determine a new startup time for "JOYO" (the plutonium use start time) .The annual use amount and the duration for Pu usage are subject to change and revision depending on the progress of research and development.

*9: The Pu usage begins with the Monju System Start-up Test that will be conducted following the understanding of the local residents. It is expected that Monju will use Pu 0.3t/a and 0.5t/a for JFY2011-2012 and after JFY2013, respectively. The annual use amount and the duration for Pu usage are subject to cahnge and revision depending on the progress of research and development.

*10: The summed numbers have not always consistency in this table due to rounding.