

Plans for the Utilization of Plutonium To Be Recovered at the Rokkasho Reprocessing Plant (RRP), FY2010

Given below are the plans for usage of plutonium (*1) recovered at the Rokkasho reprocessing plant in FY2010.

	Amount to be reprocessed (tons)	Amount of retained plutonium(*2) (tons) (Amount of fissile plutonium) (*3)			Purpose of use (as LWR fuel)		
		End of FY2009 Amount of retained plutonium	FY2010 Amount of recovered plutonium	End of FY2010 Amount of retained plutonium(*4)	Site to be used (*5)	Estimated annual usage(*6) (tons/year) (Amount of fissile plutonium)	Time of commencement of utilization (*7) Estimate of the period required for utilization (*8)
Chubu Electric Power	FY2010						
	- (*9)	0.2	0.0	0.2	Hamaoka Nuclear Power Station Reactor No. 4	0.4	FY2015 and beyond Equivalent to about 0.5 years

*1 As of December 31, 2009, Chubu Electric retains about 0.4 tons of fissile plutonium in Japan (about 0.1 tons at the Japan Atomic Energy Agency, about 0.2 tons at the Japan Nuclear Fuel Limited and about 0.1 tons at Hamaoka Nuclear Power Station as 28 MOX fuel assemblies processed at the MELOX plant in France) and about 2.2 tons outside Japan (about 1.6 tons in France and about 0.6 tons in the UK). It is our basic policy that the plutonium that we retain and that which is kept overseas will be processed into MOX fuel overseas and then used. We plan to use this fuel at Hamaoka Nuclear Power Station, Reactor No. 4, starting in FY2010. Of the fissile plutonium retained in France, approximately 0.1 tons is scheduled to be transferred to J-POWER, Co. Ltd.

*2 Under “amount of retained plutonium” we include the amount of retained fissile plutonium as of the end of FY2009, the amount of fissile plutonium to be recovered at the Rokkasho reprocessing plant in FY2010, and the amount of fissile plutonium to be retained at the end of FY2010, which is the total of these two amounts. Because the second decimal place is rounded down, the amount of retained plutonium will sometimes be expressed as 0.0. The recovered plutonium will be allotted to the various electric utilities in proportion to the amount of fissile plutonium contained in the spent fuel they ship to the Rokkasho reprocessing plant.

*3 Here, fissile plutonium refers to plutonium-239 and plutonium-241.

*4 “End of FY2010 Amount of retained plutonium” is the “FY2010 Amount of recovered plutonium” added to the “End of FY2009 Amount of retained plutonium.” Because the second decimal place is rounded down, totals may not match.

*5 The site of use is basically Reactor No. 4 at Hamaoka Nuclear Power Station, however some material may be transferred to J-Power or to the Japan Atomic Energy Agency.

*6 The “Estimated annual usage” is the amount of fissile plutonium contained in the MOX fuel used in one year at Hamaoka Nuclear Power Station, Reactor No. 4.

*7 The “Time of commencement of utilization” is FY2015 and after, when construction of the Rokkasho MOX fuel fabrication plant is scheduled to be completed.

*8 The “estimate of the period required for utilization” is the number of years it will take to use the fuel, determined by dividing the amount to be retained at the end of FY2010 by the estimated annual usage.

*9 “—” means that there is no corresponding amount.