(4) Reprocessing facility (gaseous waste)

Japan Atomic Energy Agency Reprocessing facility		–	Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facility total	–	8.6×10^{13}	1.7×10^{7}
	Annual release control target value	–	8.9×10^{16}	1.7×10^{9}
Japan Nuclear Fuel Ltd. Reprocessing Plant (reprocessing facility)		Radioactive argon (Bq)	Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facility total	N.D.	4.6×10^{16}	3.3×10^{8}
	Annual release control target value	–	3.3×10^{17}	1.1×10^{10}

Japan Atomic Energy Agency Reprocessing facility		Total particulate materials		
		[Total alpha] (Bq)	–	[Total beta and gamma] (Bq)
	Reprocessing facility total	N.D.	–	N.D.
	Annual release control target value	*9 2.2×10^{-8}	–	*9 1.1×10^{-4}
Japan Nuclear Fuel Ltd. Reprocessing Plant (reprocessing facility)		Other nuclides (nuclides that emit alpha rays) (Bq)	Breakdown of the left column (by nuclide) Plutonium [Pu (α)] (Bq)	Other nuclides (nuclides that do not emit alpha rays) (Bq)
	Reprocessing facility total	N.D.	N.D.	N.D.
	Annual release control target value	3.3×10^{8}	–	9.4×10^{10}

Note: The released radioactivity (Bq) of gaseous waste is obtained by multiplying the concentration of radioactive material (Bq/cm^3) in exhaust air by the quantity of exhaust air.

Released radioactivity concentration lower than the detection limit concentration is represented as N.D.

The detection limit concentration is as follows: (Bq/cm^3)

Japan Atomic Energy Agency, Reprocessing Facility

^{131}I : 3.7×10^{-8} or lower

Total particulate materials (total alpha) : 1.5×10^{-10} or lower

Total particulate materials (Total beta and gamma) : 1.5×10^{-9} or lower

Japan Nuclear Fuel Ltd., Reprocessing Plant (reprocessing facility)

Radioactive argon : 7×10^{-4} or lower

Other nuclides (nuclides that emit alpha rays) : 4×10^{-10} or lower

Pu (α) : 4×10^{-10} or lower

Other nuclides (nuclides that do not emit alpha ra) : 4×10^{-9} or lower

^{90}Sr -^{90}Y : 4×10^{-10} or lower

^{106}Ru -^{106}Rh : 4×10^{-9} or lower

(Values of particulate ^{106}Ru and volatile ^{106}Ru were shown.)

^{137}Cs -^{137m}Ba : 4×10^{-9} or lower

*9 Mean concentration control target value (Bq/cm^3) for three months.

(4) Reprocessing facility (gaseous waste) (cont.)

Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq)	Carbon [^{14}C] (Bq)
N.D.	9.8×10^{11}	4.0×10^{9}
1.6×10^{10}	5.6×10^{14}	5.1×10^{12}

Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq)	Carbon [^{14}C] (Bq)
1.1×10^{7}	9.8×10^{12}	2.1×10^{12}
1.7×10^{10}	1.9×10^{15}	5.2×10^{13}

–	–	–
–	–	–
–	–	–
–	–	–

Breakdown of the left column (by nuclide)

Strontium - yttrium [^{90}Sr-^{90}Y] (Bq)	Ruthenium - rhodium [^{106}Ru-^{106}Rh] (Bq)	Cesium - barium [^{137}Cs-^{137m}Ba] (Bq)
N.D.	N.D.	N.D.

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