(4) Reprocessing Facilities (Radioactive Gaseous Waste)

Japan Atomic Energy Agency, Reprocessing Facilities	Item		Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facilities total		1.5E+09	N.D.
	Annual release Control target value		8.9E+16	1.7E+09
Japan Nuclear Fuel Ltd., Reprocessing Plant (Reprocessing Facility)	Item	Radioactivity Argon (Bq)	Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	-	3.3E+17	1.1E+10

Japan Atomic Energy Agency, Reprocessing Facilities	Item	Total Radioactive Particulate Matter		
		total alpha (Bq)		total beta-gamma (Bq)
	Reprocessing facilities total	N.D.		*1 4.5E+06
	Annual release control target value	*17 2.2E-08		*17 1.1E-04
Japan Nuclear Fuel Ltd., Reprocessing Plant (Reprocessing Facility)	Item	Other radionuclides (nuclides that emit alpha rays) (Bq)	Breakdown of the left column (by nuclide) Plutonium [Pu (α)] (Bq)	Other radionuclides (nuclides that do not emit alpha rays) (Bq)
	Reprocessing facilities total	N.D.	N.D.	N.D.
	Annual release control target value	3.3E+08	-	9.4E+10

Notes: The radioactivity (Bq) of radioactive gaseous waste is obtained by multiplying the concentration of the radioactive material (Bq/cm^3) in the released gas by the amount of released gas.

Values lower than the detection limit of radioactivity are indicated as N.D.

The detection limits are as follows. (Bq/cm^3)

Japan Atomic Energy Agency, Reprocessing Facility

^{14}C	: 4.0E-05 or less
^{129}I	: 3.7E-08 or less
Total radioactive particulate mat	: 1.5E-10 or less

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

Radioactive argon	: 1E-04 or less
^{85}Kr	: 2E-02 or less
^{129}I	: 4E-08 or less
^{14}C	: 4E-05 or less
Other radionuclides (nuclides that emit alpha	: 4E-10 or less
(represented by the value for total alpha)	
Pu (α)	: 4E-10 or less
Other radionuclides (nuclides that do not er	: 4E-09 or less
(represented by the value for total beta (gamma))	
^{106}Ru -^{106}Rh	: 4E-09 or less
(The values for particulate ^{106}Ru and volatile ^{106}Ru are indicated.)	
^{137}Cs -^{137m}Ba	: 4E-09 or less
^{90}Sr -^{90}Y	: 4E-10 or less

*17: Mean concentration control target values (Bq/cm^3) over a period of three months

(4) Reprocessing Facilities (Radioactive Gaseous Waste) (cont.)

Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq))	Carbon [^{14}C] (Bq)
*1 6.4E+08	6.2E+11	N.D.
1.6E+10	5.6E+14	5.1E+12

Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq)	Carbon [^{14}C] (Bq)
2.6E+06	4.4E+11	N.D.
1.7E+10	1.9E+15	5.2E+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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