(4) Reprocessing Facility (radioactive gaseous waste)

Japan Atomic Energy Agency Reprocessing facility			Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facility total		1.8E+10	6.6E+06
	Annual release control target values		8.9E+16	1.7E+09
Japan Nuclear Fuel Ltd. Reprocessing plant (Reprocessing facility)		Radioactive argon (Bq)	Krypton [^{85}Kr] (Bq)	Iodine [^{129}I] (Bq)
	Reprocessing facility total	—	N.D.	N.D.
	Annual release control target values	—	3.3E+17	1.1E+10

Japan Atomic Energy Agency Reprocessing facility		Total radioactive particulate matter		
		[total alpha] (Bq)		[total beta gamma] (Bq)
	Reprocessing facility total	N.D.		*1 4.7E+07
	Annual release control target values	*15 2.2E-08		*15 1.1E-04
Japan Nuclear Fuel Ltd. Reprocessing plant (Reprocessing facility)		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 facility total	N.D.	N.D.	N.D.
	Annual release control target values	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
Total radioactive particulate matter (Total alpha rays)	: 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 rays)	: 4E-10 or less
(The value for all alpha values was used.)	
Pu (α)	: 4E-10 or less
Other radionuclides (nuclides that do not er	: 4E-9 or less
(The value for all beta (gamma) values was used.)	
^{106}Ru-^{106}Rh	: 4E-9 or less
(The values for particulate ^{106}Ru and volatile ^{106}Ru are indicated.)	
^{137}Cs-^{137m}Ba	: 4E-9 or less
^{90}Sr-^{90}Y	: 4E-10 or less

*15: Mean concentration control target values (Bq/cm^3) for three months

(4) Reprocessing Facility (radioactive gaseous waste) (cont.)

Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq)	Carbon [^{14}C] (Bq)
*1 1.0E+10	6.0E+11	N.D.
1.6E+10	5.6E+14	5.1E+12

Iodine [^{131}I] (Bq)	Tritium [3H] (Bq)	Carbon [^{14}C] (Bq)
1.5E+05	2.4E+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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