② Commercial Power Reactor Facilities in a Research and Development Stage

Facility name		Radioactive gaseous waste		
		Noble gas (Bq)	Iodine [^{131}I] (Bq)	Tritium [^{3}H] (Bq)
Japan Nuclear Cycle Development Institute Advanced Thermal Reactor Fugen Power Station	Nuclear reactor facilities total	N.D.	N.D.	1.3×10^{12}
	Annual release Target control level	5.1×10^{14}	2.7×10^{10}	1.8×10^{13}
Japan Nuclear Cycle Development Institute Monju Prototype Fast Breeder Reactor	Nuclear reactor facilities total	N.D.	N.D.	*1 2.1×10^{9}
	Annual release Target control level	8.2×10^{13}	1.5×10^{8}	—

Facility name		Radioactive gaseous waste	
		Noble gas (Bq)	Tritium [^{3}H] (Bq)
Japan Nuclear Cycle Development Institute Advanced Thermal Reactor Fugen Power Station	Nuclear reactor facilities total	N.D.	4.0×10^{12}
	Annual release Target control level	7.4×10^{9}	1.1×10^{13}
Japan Nuclear Cycle Development Institute Monju Prototype Fast Breeder Reactor	Nuclear reactor facilities	N.D.	*2 6.2×10^{5} (N.D.)
	Annual release Target control level	5.5×10^{9}	9.2×10^{12}

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

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

The detection limits are as follows.

Radioactive noble gases: 2×10^{-2} (Bq/cm^3) or less

Radioactive iodine: 7×10^{-9} (Bq/cm^3) or less

Total radioactive particulate matter (excluding ^{3}H): 4×10^{-9} (Bq/cm^3) or less (the ^{60}Co value is used)

Tritium (gas): 4×10^{-5} (Bq/cm^3) or less

Radioactive liquid waste (excluding ^{3}H): 2×10^{-2} (Bq/cm^3) or less (the ^{60}Co value is used)

Tritium (liquid): 2×10^{-1} (Bq/cm^3) or less