Status of Gaseous and Liquid Waste Management

① Commercial Power Reactor Facilities

Power plant		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding ^{3}H) (Bq)
		Noble gas (Bq)	Iodine (Bq)	
*1 Japan Atomic Power Company Co., Ltd Tokai Power Station	Nuclear reactor facilities total	N.D.	N.D.	2.3×10^{6}
	Annual release Target control level	—	—	3.7×10^{8}
Japan Atomic Power Company Co., Ltd. Tokai Daini Power Station	Nuclear reactor facilities total	5.0×10^{8}	N.D.	N.D.
	Annual release Target control level	1.4×10^{15}	5.9×10^{10}	3.7×10^{10}
Japan Atomic Power Company Co., Ltd. Tsuruga Power Station	Nuclear reactor facilities total	2.6×10^{9}	3.8×10^{5}	N.D.
	Annual release Target control level	1.7×10^{15}	3.8×10^{10}	7.4×10^{10}
Tohoku Electric Power Co., Inc. Onagawa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	2.6×10^{15}	1.1×10^{11}	7.4×10^{9}
Tokyo Electric Power Co., Inc. Fukushima Daiichi Nuclear Power Station	Nuclear reactor facilities total	N.D.	9.7×10^{6}	N.D.
	Annual release Target control level	8.8×10^{15}	4.8×10^{11}	2.2×10^{11}
Tokyo Electric Power Co., Inc. Fukushima Daini Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	5.5×10^{15}	2.3×10^{11}	1.4×10^{11}
Tokyo Electric Power Co., Inc. Kashiwazaki-Kariwa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	6.7×10^{15}	2.3×10^{11}	2.5×10^{11}
Chubu Electric Power Co., Inc. Hamaoka Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	5.1×10^{15}	2.9×10^{11}	1.4×10^{11}
Hokuriku Electric Power Co. Shika Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	1.1×10^{15}	3.0×10^{10}	3.7×10^{10}
Chugoku Electric Power Co., Inc. Shimane Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	2.5×10^{15}	1.3×10^{11}	7.4×10^{10}

*1: Due to the commencement of the decommissioning process on December 4, 2001, ^{60}Co, ^{134}Cs and ^{137}Cs are the subjects of the annual release control targets for radioactive liquid waste.

Power plant			Iodine [^{131}I] (Bq)	Radioactivity Radioactive liquid waste (excluding ^{3}H) (Bq)
Hokkaido Electric Power Co., Inc.	Nuclear reactor facilities total	6.0×10^{9}	N.D.	N.D.
Tomari Power Station	Annual release Target control level	1.1×10^{15}	1.1×10^{10}	7.4×10^{10}
Kansai Electric Power Co., Inc.	Nuclear reactor facilities total	1.6×10^{10}	N.D.	N.D.
Mihama Power Station	Annual release Target control level	2.1×10^{15}	7.4×10^{10}	1.1×10^{11}
Kansai Electric Power Co., Inc.	Nuclear reactor facilities total	1.6×10^{10}	N.D.	N.D.
Takahama Power Station	Annual release Target control level	3.3×10^{15}	6.2×10^{10}	1.4×10^{11}
Kansai Electric Power Co., Inc.	Nuclear reactor facilities total	5.7×10^{10}	1.1×10^{6}	N.D.
Ohi Power Station	Annual release Target control level	3.7×10^{15}	1.0×10^{11}	1.4×10^{11}
Shikoku Electric Power Co., Inc.	Nuclear reactor facilities total	2.8×10^{9}	N.D.	N.D.
Ikata Nuclear Power Plant	Annual release Target control level	1.5×10^{15}	8.1×10^{10}	1.1×10^{11}
Kyushu Electric Power Co., Inc.	Nuclear reactor facilities total	1.1×10^{10}	N.D.	N.D.
Genkai Nuclear Power Plant	Annual release Target control level	2.2×10^{15}	5.9×10^{10}	1.4×10^{11}
Kyushu Electric Power Co., Inc.	Nuclear reactor facilities total	3.1×10^{10}	N.D.	N.D.
Sendai Nuclear Power Station	Annual release Target control level	1.6×10^{15}	6.2×10^{10}	7.4×10^{10}

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) by the amount of released gas (or liquid) (m^3).
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
Radioactive liquid waste (excluding ^{3}H): 2×10^{-2} (Bq/cm^3) or less (the ^{60}Co value is used)

amendment to the Reactor