

Status of Gaseous and Liquid Waste Management

(1) Commercial Power Reactor

Power plant		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding ^3H) (Bq)
		Noble gas (Bq)	Iodine [^{131}I] (Bq)	
Japan Atomic Power Co. Tokai Power Station	*1 Nuclear reactor facilities total	-	-	N.D.
	Annual release Target control level	-	-	7.4×10^7
Japan Atomic Power Co. Tokai Daini Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	1.4×10^{15}	5.9×10^{10}	3.7×10^{10}
Japan Atomic Power Co. Tsuruga Power Station	Nuclear reactor facilities total	N.D.	N.D.	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	3.8×10^{15}	1.3×10^{11}	1.1×10^{10}
Tohoku Electric Power Co., Inc. Higashidori Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	1.2×10^{15}	2.0×10^{10}	3.7×10^9
Tokyo Electric Power Co., Inc. Fukushima Daiichi Nuclear Power Station	Nuclear reactor facilities total	3.8×10^8	N.D.	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.	2.0×10^3	N.D.
	Annual release Target control level	6.3×10^{15}	3.1×10^{11}	1.8×10^{11}
Hokuriku Electric Power Co., Inc. Shika Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Target control level	2.3×10^{15}	4.8×10^{10}	7.4×10^{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	8.4×10^{14}	4.3×10^{10}	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		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding ^3H) (Bq)
		Noble gas (Bq)	Iodine [^{131}I] (Bq)	
Hokkaido Electric Power Co., Inc. Tomari Power Station	Nuclear reactor facilities total	2.8×10^9	N.D.	N.D.
	Annual release Target control level	1.1×10^{15}	1.1×10^{10}	7.4×10^{10}
Kansai Electric Power Co., Inc. Mihama Power Station	Nuclear reactor facilities total	1.2×10^9	N.D.	N.D.
	Annual release Target control level	2.1×10^{15}	7.4×10^{10}	1.1×10^{11}
Kansai Electric Power Co., Inc. Takahama Power Station	Nuclear reactor facilities total	1.2×10^{10}	N.D.	N.D.
	Annual release Target control level	3.3×10^{15}	6.2×10^{10}	1.4×10^{11}
Kansai Electric Power Co., Inc. Ohi Power Station	Nuclear reactor facilities total	6.2×10^9	N.D.	N.D.
	Annual release Target control level	3.9×10^{15}	1.0×10^{11}	1.4×10^{11}
Shikoku Electric Power Co., Inc. Ikata Power Station	Nuclear reactor facilities total	7.4×10^9	N.D.	N.D.
	Annual release Target control level	1.5×10^{15}	8.1×10^{10}	1.1×10^{11}
Kyushu Electric Power Co., Inc. Genkai Nuclear Power Station	Nuclear reactor facilities total	5.1×10^{11}	4.6×10^6	N.D.
	Annual release Target control level	2.2×10^{15}	5.9×10^{10}	1.4×10^{11}
Kyushu Electric Power Co., Inc. Sendai Nuclear Power Station	Nuclear reactor facilities total	2.7×10^{10}	N.D.	N.D.
	Annual release Target control level	1.6×10^{15}	6.2×10^{10}	7.4×10^{10}

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