

Status of Gaseous and Liquid Waste Management (FY 1999)

Power plant		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding ^3H) (Bq)
		Noble gas (Bq)	Iodine (Bq)	
Japan Atomic Power Company Co., Ltd Tokai Power Station	*1 Nuclear reactor facilities total	N.D.	N.D.	6.0×10^5
	Annual release Target control level	-	-	3.7×10^8
Japan Atomic Power Company Co., Ltd. Tokai Daini Power Station	Nuclear reactor facilities total	2.1×10^9	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	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	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.	3.1×10^6	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}

* It is suspected that these values are the effect of the critical accident at the JCO Uranium Processing Factory.

Power plant				Radioactivity Radioactive liquid waste (excluding ³ H) (Bq)
			Iodine [¹³¹ I] (Bq)	
Hokkaido Electric Power Co., Inc. Tomari Power Station	Nuclear reactor facilities total	⁹ 2.9×10	N.D.	N.D.
	Annual release Target control level	¹⁵ 1.1×10	¹⁰ 1.1×10	¹⁰ 7.4×10
Kansai Electric Power Co., Inc. Mihama Power Station	Nuclear reactor facilities total	¹¹ 2.3×10	⁵ 3.2×10	N.D.
	Annual release Target control level	¹⁵ 2.1×10	¹⁰ 7.4×10	¹¹ 1.1×10
Kansai Electric Power Co., Inc. Takahama Power Station	Nuclear reactor facilities total	¹¹ 4.0×10	⁵ 2.7×10	N.D.
	Annual release Target control level	¹⁵ 3.3×10	¹⁰ 6.2×10	¹¹ 1.4×10
Kansai Electric Power Co., Inc. Ohi Power Station	Nuclear reactor facilities total	¹¹ 1.2×10	⁵ 1.6×10	N.D.
	Annual release Target control level	¹⁵ 3.7×10	¹¹ 1.0×10	¹¹ 1.4×10
Shikoku Electric Power Co., Inc. Ikata Nuclear Power Plant	Nuclear reactor facilities total	⁹ 3.4×10	N.D.	N.D.
	Annual release Target control level	¹⁵ 1.5×10	¹⁰ 8.1×10	¹¹ 1.1×10
Kyushu Electric Power Co., Inc. Genkai Nuclear Power Plant	Nuclear reactor facilities total	¹⁰ 2.9×10	N.D.	N.D.
	Annual release Target control level	¹⁵ 2.2×10	¹⁰ 5.9×10	¹¹ 1.4×10
Kyushu Electric Power Co., Inc. Sendai Nuclear Power Station	Nuclear reactor facilities total	¹⁰ 6.7×10	N.D.	N.D.
	Annual release Target control level	¹⁵ 1.6×10	¹⁰ 6.2×10	¹⁰ 7.4×10

Notes: The radioactivity (Bq) of gaseous (or liquid) waste is obtained by multiplying the concentration of the radioactive material (Bq/cm³) in the released gas (or liquid) by the amount of released gas (or liquid) (m³).

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/cm³) or less

Radioactive iodine: 7×10^{-9} (Bq/cm³) or less

Radioactive liquid waste (excluding ³H): 2×10^{-2} (Bq/cm³) or less (the ⁶⁰Co value is used)