Status of Gaseous and Liquid Waste Management (FY 1998)

Power plant		Radioactive gaseous waste		Radioactivity Radioactive liquid waste (excluding ^{3}H)
		Noble gas	Iodine [131 I]	
		(Bq)	(Bq)	(Bq)
Japan Atomic Power Company Co., Ltd Tokai Power Station [1]	Nuclear reactor facilities total	N.D.	1.5×10^5	1.2×10^6
	Annual release Target control level			3.7×10^8
Japan Atomic Power Company Co., Ltd. Tokai Daini Power Station	Nuclear reactor facilities total	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 Company Co., Ltd. Tsuruga Power Station	Nuclear reactor facilities total	8.4×18^8	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.	2.2×10^6	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}

Power plant			Iodine [^{131}I] (Bq)	Radioactivity Radioactive liquid waste (excluding ^{3}H) (Bq)
Hokkaido Electric Power Co., Inc.	Nuclear reactor facilities total	1.3×10^9	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	1.7×10^{11}	2.4×10^6	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	4.2×10^{11}	9.9×10^6	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	6.1×10^{11}	1.2×10^9	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	1.1×10^{10}	N.D.	N.D.
Ikata Nuclear Power Station	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	3.1×10^{11}	3.9×10^6	N.D.
Genkai Nuclear Power Station	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	3.7×10^{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)