

(1) Commercial Nuclear Power Reactor Facilities

Power Station	Item	Gaseous Radioactive Waste		Liquid Radioactive Waste (excluding ^3H) (Bq)
		Noble Gases (Bq)	Iodine [^{131}I] (Bq)	
Hokkaido Electric Power Co., Inc., Tomari Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	1.3E+15	1.2E+10	1.1E+11
Tohoku Electric Power Co., Inc., Onagawa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	3.8E+15	1.3E+11	1.1E+10
Tohoku Electric Power Co., Inc., Higashidori Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	1.2E+15	2.0E+10	3.7E+09
Tokyo Electric Power Co., Inc., Fukushima Daiichi Nuclear Power Station	Nuclear reactor facilities total	*1 —	*1 —	There was no managed release.
	Annual release Control target value	8.8E+15	4.8E+11	2.2E+11
Tokyo Electric Power Co., Inc., Fukushima Daini Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	5.5E+15	2.3E+11	1.4E+11
Tokyo Electric Power Co., Inc., Kashiwazaki-Kariwa Nuclear Power Station	Nuclear reactor facilities total	N.D.	*2 N.D.	N.D.
	Annual release Control target value	6.7E+15	2.3E+11	2.5E+11
Chubu Electric Power Co., Inc., Hamaoka Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	*3 3.6E+15	*3 1.1E+11	*4 3.7E+10
Hokuriku Electric Power Co., Inc., Shika Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	2.3E+15	4.8E+10	7.4E+10
The Kansai Electric Power Co., Inc., Mihama Power Station	Nuclear reactor facilities total	5.4E+07	N.D.	N.D.
	Annual release Control target value	2.1E+15	7.3E+10	1.1E+11
The Kansai Electric Power Co., Inc., Takahama Power Station	Nuclear reactor facilities total	4.5E+08	N.D.	N.D.
	Annual release Control target value	3.3E+15	6.2E+10	1.4E+11

Note: The “managed release” at Fukushima Daiichi Nuclear Power Station is that of liquid radioactive waste released from drainage equipment in a properly managed condition. The release affected by the Tohoku District - off the Pacific Ocean Earthquake - is not included.

*1: Undergoing evaluation by the licensee associated with the Tohoku District – off the Pacific Ocean Earthquake

Measured additional release amount of gaseous radioactive waste from units at points unmeasurable at exhaust ports or discharge monitoring equipment due to influence of the Tohoku District - off the Pacific Ocean Earthquake. It is evaluated that the total released amount is roughly 87.6 billion Bq a year.

2: The detection limits of all noble gases are based on the measurement concentration lower limits stipulated in the measurement guideline. The detection limits of ^{131}I and the total radioactive particulate may exceed the measurement concentration lower limit of the measurement guideline * under the influence of defect of the monitor sampling piping connection (outside air inflows through a clearance). The maximum value of the detection limit after amendment is stated.

(* Guide for Monitoring of Effluent Released from Light Water Nuclear Power Reactor Facilities)

Power Station	Item	Gaseous Radioactive Waste		Liquid Radioactive Waste (excluding ^3H) (Bq)
		Noble Gases (Bq)	Iodine [^{131}I] (Bq)	
The Kansai Electric Power Co., Inc., Ohi Power	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	4.0E+15	1.0E+11	1.4E+11
The Chugoku Electric Co., Inc., Shimane Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	8.4E+14	4.3E+10	7.4E+10
Shikoku Electric Power Co., Inc. Ikata Power	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	1.5E+15	8.1E+10	1.1E+11
Kyushu Electric Power Co., Inc., Genkai Nuclear Power Station	Nuclear reactor facilities total	1.3E+10	N.D.	N.D.
	Annual release Control target value	2.2E+15	5.8E+10	1.4E+11
Kyushu Electric Power Co., Inc., Sendai Nuclear Power Station	Nuclear reactor facilities total	3.5E+09	N.D.	N.D.
	Annual release Control target value	1.7E+15	6.2E+10	7.4E+10
The Japan Atomic Power Company Co., Ltd., Tokai Power Station	Nuclear reactor facilities total			3.9E+05
	Annual release Control target value			*5 3.4E+07
The Japan Atomic Power Company Co., Ltd., Tokai No. 2 Power Station	Nuclear reactor facilities total	N.D.	N.D.	1.5E+06
	Annual release Control target value	1.4E+15	5.9E+10	3.7E+10
The Japan Atomic Power Company Co., Ltd., Tsuruga Power station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release Control target value	1.7E+15	3.8E+10	7.4E+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).

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

The detection limits are as follows. (Bq/cm^3)

Radioactive noble gases : 2E-02 or less

Radioactive iodine : 7E-09 or less

9.2E-9 for the Kashiwazaki-Kariwa Nuclear Power Station of TEPCO,*2

liquid Radioactive waste (excluding ^3H): 2E-02 or less (represented by the value of ^{60}Co).

*3: The release control target value is the total value corresponding to Units 3 to 5. Each value of Units 1 and 2 is to be less than the measurement concentration lower limit.

*4: The release control target value is the total value corresponding to Units 3 to 5. Each value of Units 1 and 2 is 9.2E+09.

*5: The release control target values are for ^{60}Co , ^{137}Cs , ^{152}Eu and ^{154}Eu .