

## (1) Commercial Nuclear Power Reactor Facilities

Power Station	Item	Radioactive Gaseous Waste		Radioactive Liquid Waste [excluding $^3\text{H}$ ] (Bq)
		Noble Gases (Bq)	Iodine [ $^{131}\text{I}$ ] (Bq)	
Hokkaido Electric Power Co., Inc., Tomari Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	1.3E+15	1.2E+10	1.1E+11
Tohoku Electric Power Co., Inc., Onagawa NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	3.8E+15	1.3E+11	1.1E+10
Tohoku Electric Power Co., Inc., Higashidori NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	1.2E+15	2.0E+10	3.7E+09
Tokyo Electric Power Co., Inc., Fukushima Daiichi NPS	Nuclear Reactor Facilities Total	*1 N.D.	*1 N.D.	No release record
	Annual Release Control Target	*1 2.8E+15	*1 1.4E+11	*1 7.4E+10
Tokyo Electric Power Co., Inc., Fukushima Daini NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	5.5E+15	2.3E+11	1.4E+11
Tokyo Electric Power Co., Inc., Kashiwazaki-Kariwa NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	6.7E+15	2.3E+11	2.5E+11
Chubu Electric Power Co., Inc., Hamaoka NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	*2 3.6E+15	*2 1.1E+11	*3 3.7E+10
Hokuriku Electric Power Co., Inc., Shika NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	2.3E+15	4.8E+10	7.4E+10
Kansai Electric Power Co., Inc., Mihama Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	2.1E+15	7.3E+10	1.1E+11
Kansai Electric Power Co., Inc., Takahama Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	3.3E+15	6.2E+10	1.4E+11

Note: The release records at Fukushima Daiichi NPS are those of radioactive liquid waste released from drainage equipment in a managed manner. Release related to the Great East Japan Earthquake is not included.

\*1: The indicated values for radioactive gaseous wastes are the recorded value and annual release control target value at the common ventilation stack for Units 5 and 6, which is managed in accordance with the implementation plan. The indicated value for radioactive liquid wastes (excluding  $^3\text{H}$ ) is the release control target at drainage points for Units 5 and 6. At present, no release control target has been specified in the implementation plan for the drainage points of Units 1 to 4.

For ventilation ports and ventilation monitoring equipment at which actual measurement was impossible due to the effects of the Great East Japan Earthquake, the amount additionally released from each unit was measured, and the total amount released from Units 1 to 4 was evaluated to be roughly 87.6 billion Bq per year.

\*2: This release control target is the total value for Units 3 to 5. The total value of noble gases and iodine at Units 1 and 2 were less than the measurement concentration lower limits.

\*3: This release control target is applied to each of Units 3 to 5. The value applied to each of Units 1 and 2 is 9.2E+09.

Power Station	Item	Radioactive Gaseous Waste		Radioactive Liquid Waste [excluding $^3\text{H}$ ] (Bq)
		Noble Gases (Bq)	Iodine [ $^{131}\text{I}$ ] (Bq)	
Kansai Electric Power Co., Inc., Ohi Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	4.0E+15	1.0E+11	1.4E+11
Chugoku Electric Power Co., Inc., Shimane NPS	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	8.4E+14	4.3E+10	7.4E+10
Shikoku Electric Power Co., Inc., Ikata Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	1.5E+15	8.1E+10	1.1E+11
Kyushu Electric Power Co., Inc., Genkai NPS	Nuclear Reactor Facilities Total	1.8E+10	N.D.	N.D.
	Annual Release Control Target	2.2E+15	5.8E+10	1.4E+11
Kyushu Electric Power Co., Inc., Sendai NPS	Nuclear Reactor Facilities Total	1.5E+09	N.D.	N.D.
	Annual Release Control Target	1.7E+15	6.2E+10	7.4E+10
Japan Atomic Power Co., Ltd., Tokai Power Station	Nuclear Reactor Facilities Total			2.0E+05
	Annual Release Control Target			*4 3.4E+07
Japan Atomic Power Co., Ltd., Tokai No. 2 Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	1.2E+06
	Annual Release Control Target	1.4E+15	5.9E+10	3.7E+10
Japan Atomic Power Co., Ltd., Tsuruga Power Station	Nuclear Reactor Facilities Total	N.D.	N.D.	N.D.
	Annual Release Control Target	1.7E+15	3.8E+10	7.4E+10

Note: The radioactivity (Bq) of released gaseous (or liquid) waste was obtained by multiplying the concentration of radioactive material (Bq/cm<sup>3</sup>) in the released gases (or liquids) by the amount of released gases (or liquids). N.D. is used to indicate values lower than the detection limit concentration.

Detection limit concentrations (Bq/cm<sup>3</sup>) are as follows.

Radioactive noble gases: 2E-02 or less

Radioactive iodine: 7E-09 or less

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

\*4: Release control targets are for  $^{60}\text{Co}$ ,  $^{137}\text{Cs}$ ,  $^{152}\text{Eu}$ , and  $^{154}\text{Eu}$ .