

## (1) Commercial Nuclear Power Reactor Facilities

Power station		Radioactive gaseous waste		Radioactive liquid waste (excluding $^3\text{H}$ ) (Bq)
		Noble gas (Bq)	Iodine [ $^{131}\text{I}$ ] (Bq)	
Hokkaido Electric Power Co., Inc. Tomari Power Station	Nuclear reactor facilities total	$4.4 \times 10^9$	N.D.	N.D.
	Annual release control target value	$1.3 \times 10^{15}$	$1.2 \times 10^{10}$	$1.1 \times 10^{11}$
Tohoku Electric Power Co., Inc. Onagawa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$3.8 \times 10^{15}$	$1.3 \times 10^{11}$	$1.1 \times 10^{10}$
Tohoku Electric Power Co., Inc. Higashidori Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$1.2 \times 10^{15}$	$2.0 \times 10^{10}$	$3.7 \times 10^9$
Tokyo Electric Power Co., Inc. Fukushima Daiichi Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$8.8 \times 10^{15}$	$4.8 \times 10^{11}$	$2.2 \times 10^{11}$
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	$5.5 \times 10^{15}$	$2.3 \times 10^{11}$	$1.4 \times 10^{11}$
Tokyo Electric Power Co., Inc. Kashiwazaki-Kariwa Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$6.7 \times 10^{15}$	$2.3 \times 10^{11}$	$2.5 \times 10^{11}$
Chubu Electric Power Co., Inc. Hamaoka Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$6.3 \times 10^{15}$	$3.1 \times 10^{11}$	$1.8 \times 10^{11}$
Hokuriku Electric Power Co. Shika Nuclear Power Station	Nuclear reactor facilities total	N.D.	N.D.	N.D.
	Annual release control target value	$2.3 \times 10^{15}$	$4.8 \times 10^{10}$	$7.4 \times 10^{10}$
Kansai Electric Power Co., Inc. Mihama Power Station	Nuclear reactor facilities total	$2.8 \times 10^9$	$1.2 \times 10^5$	N.D.
	Annual release control target value	$2.1 \times 10^{15}$	$7.3 \times 10^{10}$	$1.1 \times 10^{11}$
Kansai Electric Power Co., Inc. Takahama Power Station	Nuclear reactor facilities total	$9.3 \times 10^{11}$	N.D.	N.D.
	Annual release control target value	$3.3 \times 10^{15}$	$6.2 \times 10^{10}$	$1.4 \times 10^{11}$
Kansai Electric Power Co., Inc. Ohi Power Station	Nuclear reactor facilities total	$1.9 \times 10^{10}$	$1.7 \times 10^6$	N.D.
	Annual release control target value	$3.9 \times 10^{15}$	$1.0 \times 10^{11}$	$1.4 \times 10^{11}$

\*1: In relation to revision of the safety regulations due to extension of Unit 3, the control targets of noble gas, iodine, and radioactive liquid waste (excluding  $^3\text{H}$ ) were changed from  $1.1 \times 10^{15}$  (Bq/year),  $1.1 \times 10^{10}$  (Bq/year), and  $7.4 \times 10^{10}$  (Bq/year) to  $1.3 \times 10^{15}$  (Bq/year),  $1.2 \times 10^{10}$  (Bq/year), and  $1.1 \times 10^{11}$  (Bq/year), respectively on January 24, 2009.

\*2: Due to revision of the safety regulations associated with installation of high burnup fuel (55 Gwd/t), the control target was changed from  $7.4 \times 10^{10}$  (Bq/year) to  $7.3 \times 10^{10}$  (Bq/year) on October 16, 2008.

Power station		Radioactive gaseous waste		Radioactive liquid waste (excluding $^3\text{H}$ ) (Bq)
		Noble gas (Bq)	Iodine [ $^{131}\text{I}$ ] (Bq)	
Chugoku Electric Power Co., Inc.	Nuclear reactor facilities total	N.D.	N.D.	N.D.
Shimane Nuclear Power Station	Annual release control target value	$8.4 \times 10^{14}$	$4.3 \times 10^{10}$	$7.4 \times 10^{10}$
Shikoku Electric Power Co., Inc.	Nuclear reactor facilities total	$1.5 \times 10^{10}$	N.D.	N.D.
Ikata Power Station	Annual release control target value	$1.5 \times 10^{15}$	$8.1 \times 10^{10}$	$1.1 \times 10^{11}$
Kyushu Electric Power Co., Inc.	Nuclear reactor facilities total	$2.6 \times 10^{10}$	N.D.	N.D.
Genkai Nuclear Power Station	Annual release control target value	$2.2 \times 10^{15}$	$5.9 \times 10^{10}$	$1.4 \times 10^{11}$
Kyushu Electric Power Co., Inc.	Nuclear reactor facilities total	$1.3 \times 10^{10}$	N.D.	N.D.
Sendai Nuclear Power Station	Annual release control target value	$1.7 \times 10^{15}$	$6.2 \times 10^{10}$	$7.4 \times 10^{10}$
Japan Atomic Power Company	Nuclear reactor facilities total	-	-	N.D.
Tokai Power Station	Annual release control target value	-	-	$2.9 \times 10^7$
Japan Atomic Power Company	Nuclear reactor facilities total	N.D.	N.D.	$3.4 \times 10^8$
Tokai Daini Power Station	Annual release control target value	$1.4 \times 10^{15}$	$5.9 \times 10^{10}$	$3.7 \times 10^{10}$
Japan Atomic Power Company	Nuclear reactor facilities total	N.D.	N.D.	N.D.
Tsuruga Power Station	Annual release control target value	$1.7 \times 10^{15}$	$3.8 \times 10^{10}$	$7.4 \times 10^{10}$

Notes: The radioactivity (Bq) of gaseous (or liquid) waste is obtained by multiplying the concentration of the radioactive material (Bq/cm<sup>3</sup>) in the released gas (or liquid) by the amount of released gas (or liquid) (m<sup>3</sup>)  
Values lower than the detection limit of radioactivity are indicated as N.D.

- The detection limits are as follows. (Bq/cm<sup>3</sup>)

Radioactive noble gas :  $2 \times 10^{-2}$  or less  
Radioactive iodine :  $7 \times 10^{-9}$  or less  
Radioactive liquid waste (excluding  $^3\text{H}$ ) :  $2 \times 10^{-2}$  or less ( $^{60}\text{Co}$  value was used)

\*3: The control targets are for  $^{60}\text{Co}$ ,  $^{137}\text{Cs}$ ,  $^{152}\text{Eu}$  and  $^{154}\text{Eu}$ .