

## Reference Material 4: Release of Tritium in Liquid Radioactive Waste by Fiscal Year (FY2003-FY2012)

## (1) Commercial Nuclear Power Reactor Facilities

(Unit: Bq)

FY Power Station	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Hokkaido Electric Power Co., Inc., Tomari Power Station	2.2E+13	1.9E+13	3.1E+13	2.9E+13	2.7E+13	2.0E+13	3.0E+13	3.3E+13	3.8E+13	8.7E+12
Tohoku Electric Power Co., Inc., Onagawa Nuclear Power Station	5.6E+09	8.0E+08	2.1E+09	5.4E+09	5.1E+09	6.7E+09	6.6E+10	2.2E+10	8.4E+09	1.7E+10
Tohoku Electric Power Co., Inc., Higashidori Nuclear Power Station	—	9.4E+08	3.9E+10	3.4E+10	5.3E+10	9.0E+10	2.3E+11	3.0E+10	1.6E+11	4.5E+10
Tokyo Electric Power Co., Inc., Fukushima Daiichi Nuclear Power Station	1.4E+12	1.0E+12	1.3E+12	2.6E+12	1.4E+12	1.6E+12	2.0E+12	—	—	There was no managed release.
Tokyo Electric Power Co., Inc., Fukushima Daini Nuclear Power Station	3.8E+11	3.5E+11	9.6E+11	6.6E+11	7.3E+11	5.0E+11	9.8E+11	1.6E+12	2.3E+12	8.0E+11
Tokyo Electric Power Co., Inc., Kashiwazaki-Kariwa Nuclear Power Station	8.5E+11	4.9E+11	8.1E+11	8.8E+11	8.8E+11	9.2E+11	5.4E+11	6.6E+11	4.6E+11	2.6E+11
Chubu Electric Power Co., Inc., Hamaoka Nuclear Power Station	5.9E+11	4.6E+11	7.5E+11	6.8E+11	6.0E+11	7.3E+11	6.4E+11	6.4E+11	4.6E+11	2.0E+11
Hokuriku Electric Power Co., Inc., Shika Nuclear Power Station	2.2E+11	1.2E+11	1.8E+11	1.8E+11	2.5E+10	7.6E+10	3.9E+11	2.8E+11	2.1E+11	1.1E+10
The Kansai Electric Power Co., Inc., Mihama Power Station	2.3E+13	1.6E+13	1.5E+13	1.4E+13	2.0E+13	1.8E+13	2.3E+13	1.3E+13	2.2E+13	4.3E+12
The Kansai Electric Power Co., Inc., Takahama Power Station	5.9E+13	6.3E+13	6.9E+13	6.8E+13	6.0E+13	4.0E+13	4.3E+13	6.5E+13	3.8E+13	6.8E+12
The Kansai Electric Power Co., Inc., Ohi Power Station	9.0E+13	9.8E+13	6.6E+13	7.7E+13	8.9E+13	7.4E+13	8.1E+13	5.6E+13	5.6E+13	2.2E+13
The Chugoku Electric Power Co., Inc., Shimane Nuclear Power Station	5.2E+11	6.3E+11	6.3E+11	3.0E+11	6.6E+11	2.8E+11	2.2E+11	2.3E+11	3.4E+11	1.5E+11
Shikoku Electric Power Co., Inc., Ikata Power Station	5.4E+13	6.8E+13	5.3E+13	4.6E+13	6.6E+13	5.8E+13	5.7E+13	5.1E+13	5.3E+13	1.8E+12
Kyushu Electric Power Co., Inc., Genkai Nuclear Power Station	9.5E+13	7.3E+13	7.4E+13	9.9E+13	8.6E+13	6.9E+13	8.1E+13	1.0E+14	5.6E+13	2.0E+12
Kyushu Electric Power Co., Inc., Sendai Nuclear Power Station	3.8E+13	5.1E+13	4.8E+13	3.5E+13	3.8E+13	5.3E+13	5.0E+13	3.0E+13	3.7E+13	1.0E+12
The Japan Atomic Power Company, Tokai Power Station	3.7E+06	N.D.	4.1E+08	2.0E+08	1.0E+09	1.3E+09	7.5E+07	N.D.	N.D.	N.D.
The Japan Atomic Power Company, Tokai No. 2 Power Station	8.5E+11	6.1E+11	7.4E+11	6.2E+11	5.8E+11	5.5E+11	7.0E+11	4.2E+11	8.7E+11	4.1E+10
The Japan Atomic Power Company, Tsuruga Power station	2.2E+13	2.6E+13	9.2E+12	1.5E+13	1.3E+13	4.9E+12	1.5E+13	1.2E+13	6.0E+12	9.3E+11
Total	4.1E+14	4.2E+14	3.7E+14	3.9E+14	4.0E+14	3.4E+14	3.9E+14	3.6E+14	3.1E+14	4.9E+13

Note: The data for PWR power stations includes the amount of tritium released from secondary sources. 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.

\*7: Condensate make-up water system with the indoor steam system and the reactor auxiliary cooling system of Unit 1.

\*8: Tritium detection limit: 2E-01 or less