

Reference Material 4. Release of Tritium in Radioactive Liquid Waste by Fiscal Year

(1) Commercial Nuclear Power Reactor Facilities

(Unit: Bq)

FY Power Station	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Hokkaido Electric Power Co., Inc., Tomari Power Station	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	5.7E+11
Tohoku Electric Power Co., Inc., Onagawa NPS	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	1.3E+10
Tohoku Electric Power Co., Inc., Higashidori NPS	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	2.7E+09
Tokyo Electric Power Co., Inc., Fukushima Daiichi NPS	1.0E+12	1.3E+12	2.6E+12	1.4E+12	1.6E+12	2.0E+12	-	-	No release record	No release record
Tokyo Electric Power Co., Inc., Fukushima Daini NPS	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	7.5E+11
Tokyo Electric Power Co., Inc., Kashiwazaki-Kariwa NPS	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	4.6E+09
Chubu Electric Power Co., Inc., Hamaoka NPS	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	3.1E+11
Hokuriku Electric Power Co., Inc., Shika NPS	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	1.1E+10
Kansai Electric Power Co., Inc., Mihama Power Station	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	5.3E+12
Kansai Electric Power Co., Inc., Takahama Power Station	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	3.4E+12
Kansai Electric Power Co., Inc., Ohi Power Station	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	6.0E+13
Chugoku Electric Power Co., Inc., Shimane NPS	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	1.5E+11
Shikoku Electric Power Co., Inc., Ikata Power Station	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	6.8E+11
Kyushu Electric Power Co., Inc., Genkai NPS	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	8.6E+11
Kyushu Electric Power Co., Inc., Sendai NPS	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	2.1E+11
Japan Atomic Power Co., Ltd., Tokai Power Station	N.D.	4.1E+08	2.0E+08	1.0E+09	1.3E+09	7.5E+07	N.D.	N.D.	N.D.	5.9E+07
Japan Atomic Power Co., Ltd., Tokai No. 2 Power Station	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	8.6E+10
Japan Atomic Power Co., Ltd., Tsuruga Power Station	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	3.2E+11
Total	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	7.3E+13

Note: The data for PWR power stations includes tritium release from secondary systems. 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.

*7: Includes radioactivity released from controlled areas by water intrusion from make-up water condensate systems into steam systems in the power station and Unit-1 component cooling water system.

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