Table 1 Status of Radioactive Gaseous Waste Release Management in FY2013
(Nuclear Reactor Facilities for Test and Research, etc.)

[Unit: Bq]

Site Name		Facility (Measurement Location)	Item	Annual Release Control Target	Annual Release #2
Japan Atomic Energy Agency	Tokai Research and Development Center, Nuclear Science Research Institute	JRR-2	Tritium	2.4 x 10E11	N.D. (No release)
		JRR-3 *1	Radioactive noble gases	6.2 x 10E13	N.D. (N.D.)
			Tritium	7.4 x 10E12	N.D. (6.1 x 10E9)
		JRR-4 *1	Radioactive noble gases	9.6 x 10E11	N.D. (N.D.)
		NSRR *1	Radioactive noble gases	4.4 x 10E13	4.6 x 10E9 (N.D.)
			Iodine 131	4.8 x 10E9	N.D. (N.D.)
		TCA	Iodine 131	#1	N.D. (N.D.)
		FCA *1	Iodine 131	#1	N.D. (N.D.)
		STACY TRACY *1	Radioactive noble gases	8.1 x 10E13	N.D. (N.D.)
			Iodine 131	1.5 x 10E10	N.D. (N.D.)
	Oarai Research and Development Center (North Area)	JMTR *1	Radioactive noble gases	1.3 x 10E14	N.D.
		HTTR *1	Radioactive noble gases	3.7 x 10E13	N.D.
			Iodine 131	3.2 x 10E9	N.D.
			Tritium	1.1 x 10E13	N.D.
	Oarai Research and Development Center (South Area)	Deuterium Critical Assembly (DCA)	Radioactive noble gases	#1	N.D. (N.D.)
		Experimental Fast Reactor (Joyo)	Radioactive noble gases	3.4 x 10E13	N.D.
	Aomori Research and Development Center, Mutsu Office	First Nuclear Ship	Dust	#1	N.D. (N.D.)
The University of Tokyo, Graduate School of Engineering, Nuclear Professional School		Reactor of the University of Tokyo (Yayoi)	Radioactive noble gases	#1	No release (No release)
Kyoto University, Research Reactor Institute		KUR *1	Radioactive noble gases	4.0 x 10E13	1.0 x 10E11
		KUCA *1	Radioactive noble gases	#1	N.D. (N.D.)
Rikkyo University, Institute for Atomic Energy *2,*3		Rikkyo University Reactor	Dust	2.0 x 10E10	4.6 x 10E5
Tokyo City University, Atomic Energy Research Institute *2		Musashi Institute of Technology Research Reactor	Dust	#1	N.D. (N.D.)
Kinki University, Atomic Energy Research Institute		Kinki University Reactor	Radioactive noble gases	#1	N.D. (N.D.)
Toshiba Corporation	Research Reactor Center	TTR-1	Dust	#1	N.D. (N.D.)
	Nuclear Engineering Laboratory	NCA	Radioactive noble gases	#1	N.D. (N.D.)
Hitachi, Ltd. Power & Industrial Systems, Nuclear System Division, Ozenji Hitachi Training Reactor Center		HTR	Dust	#1	No release (No release)

*1: Radioactive gaseous waste from the Nuclear Science Research Institute, Tokai Research and Development Center, Japan Atomic Energy Agency(JAEA), the JAEA Oarai Research and Development Center (North Area), and the Research Reactor Institute, Kyoto University includes radioactive gaseous waste from nuclear fuel material use facilities.

*2: Due to a revision to the operational safety program, Rikkyo University discontinued measurement of noble gases in January 2005, and Tokyo City University discontinued measurement of noble gases in August 2007.

*3: At Rikkyo University, the annual release control target is a combined value that also includes the value for nuclear fuel material use facilities.

(Note) This table has been prepared as follows.

(1) #1: Reactor facility for test and research, etc. for which no annual release control target has been stipulated.

(2) #2: Values in parentheses ( ) indicate actual values from the previous fiscal year.

(3) N.D.: Not Detected—values under the detection limit

(Table expression example) "x 10E−3" indicates "x 10^{-3}."

Table 2 Status of Radioactive Liquid Waste Release Management in FY2013
(Nuclear Reactor Facilities for Test and Research, etc.)

[Unit: Bq]

Facility		Item		Annual Release Control Target	Annual Release #2
Japan Atomic Energy Agency	Tokai Research and Development Center, Nuclear Science Research Institute *1	Other than tritium		1.8 x 10E10	1.4 x 10E7*6 (1.4 x 10E7)
			Cobalt 60	3.7 x 10E9	2.7 x 10E5 (7.6 x 10E6)
			Cesium 137	3.7 x 10E9	1.3 x 10E7*6 (7.0 x 10E6)
		Tritium		2.5 x 10E13	1.9 x 10E11 (1.2 x 10E11)
	Oarai Research and Development Center (North Area) *2	Other than tritium		2.2 x 10E9	N.D.
			Cobalt 60	2.2 x 10E8	N.D.
			Cesium 137	1.8 x 10E9	N.D.
		Tritium		3.7 x 10E12	1.1 x 10E6
	Oarai Research and Development Center (South Area) *3	Other than tritium		3.7 x 10E8	N.D.
	Aomori Research and Development Center, Mutsu	Other than tritium		1.1 x 10E8	No release
The University of Tokyo, Graduate School of Engineering, Nuclear Professional School		Other than tritium		#1	N.D. (N.D.)
Kyoto University, Research Reactor Institute		Other than tritium		#1	N.D. (N.D.)
Rikkyo University, Institute for Atomic Energy *4		Other than tritium (Cobalt 60 equivalent)		2.0 x 10E6	4.3 x 10E3
Tokyo City University, Atomic Energy Research Institute *5		Other than tritium		-	-
Kinki University, Atomic Energy Research Institute		Other than tritium		3.7 x 10E7	2.8 x 10E3
Toshiba Corporation	Research Reactor Center	Other than tritium		3.7 x 10E6	N.D.
	Nuclear Engineering Laboratory	Other than tritium		3.7 x 10E6	N.D.
Hitachi, Ltd. Power & Industrial Systems, Nuclear System Division, Ozenji Hitachi Training Reactor Center		Other than tritium		#1	No release (No release)

*1: The Nuclear Science Research Institute, Tokai Research and Development Center, Japan Atomic Energy Agency(JAEA) accepts radioactive liquid waste generated at nearby nuclear sites in addition to processing such waste generated at locations other than reactor facilities.
*2: In the JAEA Oarai Research and Development Center (North Area), radioactive liquid waste generated at facilities other than HTTR facilities is transferred to the Oarai Research and Development Center's radioactive waste storage facility, and is thus not included in this table.
*3: In the JAEA Oarai Research and Development Center (South Area), radioactive liquid waste is transferred to the Oarai Research and Development Center's radioactive waste storage facility, and is thus not included in this table.
*4: At Rikkyo University, the annual release control target is a combined value that also covers the value for nuclear fuel material use facilities.
*5: Use of disposal equipment for liquid waste was suspended based on the February 25, 2010 approval of an alteration to the decommissioning plan. The equipment was then disassembled and removed based on the September 16, 2011 approval of an alteration to the decommissioning plan.
*6: Due to the effects of discharge of radioactive materials caused by the accident at TEPCO's Fukushima Daiichi NPS.

(Note) This table has been prepared as follows.
(1) #1: Reactor facility for test and research, etc. for which no annual release control target has been stipulated.
(2) #2: Values in parentheses ( ) indicate actual values from the previous fiscal year.
(3) N.D.: Not Detected—values under the detection limit

(Table expression example) "x 10E-3" indicates "x 10^{-3}."