

Table 5 Status of Gaseous Radioactive Waste Release Management in FY 2012
(Nuclear Reactor Facilities for Test and Research, etc.)

[Unit: Bq]

Name of Office		Name of Facility (Measurement Point)	Item	Annual Release Control Target Value	Total Annual Release #2
Japan Atomic Energy Agency	Tokai Research and Development Center, Nuclear Science Research Institute	JRR-2	Tritium	2.4xE11	No discharge
		JRR-3 *1	Gaseous radioactive waste	6.2xE13	N.D.
			Tritium	7.4xE12	6.1xE9
		JRR-4 *1	Gaseous radioactive waste	9.6xE11	N.D.
		NSRR *1	Gaseous radioactive waste	4.4xE13	N.D.
			Iodine 131	4.8xE9	N.D.
		TCA	Iodine 131	#1	N.D. (N.D.)
	FCA *1	Iodine 131	#1	N.D. (7.8xE5)	
	STACY TRACY *1	Gaseous radioactive waste	8.1xE13	N.D.	
		Iodine 131	1.5xE10	N.D.	
	Oarai Research and Development Center (North Area)	JMTR *1	Gaseous radioactive waste	1.3xE14	N.D.
		HTTR *1	Gaseous radioactive waste	3.7xE13	N.D.
			Iodine 131	3.2xE9	N.D.
			Tritium	1.1xE13	N.D.
	Oarai Research and Development Center (South Area)	Deuterium Critical Assembly (DCA)	Gaseous radioactive waste	#1	N.D. (N.D.)
		Experimental Fast Reactor Joyo	Gaseous radioactive waste	3.4xE13	N.D.
	Aomori Research and Development Center, Mutsu Office	1st Nuclear Ship	Dust	#1	N.D. (N.D.)
The University of Tokyo, Graduate School of Engineering, Nuclear Professional School	The Reactor of The University of Tokyo (Yayoi)	Gaseous radioactive waste	#1	No discharge (No discharge)	
Kyoto University, Research Reactor Institute	KUR *1	Gaseous radioactive waste	4.0xE13	3.5xE11	
	KUCA *1	Gaseous radioactive waste	#1	N.D. (N.D.)	
Rikkyo University, Institute for Atomic Energy *2, *3	Rikkyo University Reactor	Dust	2.0xE10	5.9xE5	
Tokyo City University, Atomic Energy Research Institute *2	Musashi Institute of Technology Reactor	Dust	#1	N.D. (N.D.)	
Kinki University, Atomic Energy Research Institute	Kinki University Reactor	Gaseous radioactive waste	#1	N.D. (N.D.)	
Toshiba Corporation	Research Reactor Center	TTR-1	Dust	#1	N.D. (N.D.)
	Nuclear Engineering Laboratory	NCA	Gaseous radioactive waste	#1	N.D. (N.D.)
Hitachi, Ltd., Power & Industrial Systems, Nuclear System Division, Ozenji Hitachi Training Reactor Center	HTR	Dust	#1	No discharge (No discharge)	

*1: The gaseous radioactive waste originated from the Oarai Research & Development Center (North Area) and the Nuclear Science Research Institute, Tokai Research and Development Center, Japan Atomic Energy Agency, and the Research Reactor Institute, Kyoto University includes gaseous radioactive waste from their nuclear fuel using facilities.

*2: According to the change of operational safety programs, Rikkyo University and Tokyo City University discontinued measurement of noble gas since January 1, 2005 and July 28, 2007, respectively.

*3: For Rikkyo University, the annual release control target value is the total for nuclear fuel using facility and reactor facility.

(Note) Remarks for this table;

(1) #1; Reactor facility for which the annual release control target value is not stipulated.

(2) #2; Values in the parenthesis () are the actual values in the last fiscal year.

(3) N.D.; Less than the detection limit.

(Example in the table) "x E-3" shows "x 10⁻³."

Table 6 Status of Liquid Radioactive Waste Release Management in FY 2012
(Nuclear Reactor Facilities for Test and Research, etc.)

[Unit: Bq]

Name of Office		Item	Annual Release Control Target Value	Total Annual Release #2
Japan Atomic Energy Agency	Tokai Research and Development Center, Nuclear Science Research Institute*1	Other than tritium	1.8xE10	1.4xE7 *6
		Cobalt 60	3.7xE9	7.6xE6
		Cesium 137	3.7xE9	7.0xE6 *6
		Tritium	2.5xE13	1.2xE11
	Oarai Research and Development Center (North Area) *2	Other than tritium	2.2xE9	N.D.
		Cobalt 60	2.2xE8	N.D.
		Cesium 137	1.8xE9	N.D.
	Oarai Research and Development Center (South Area) *3	Tritium	3.7xE12	3.7xE7
	Aomori Research and Development Center, Mutsu Office	Other than tritium	3.7xE8	N.D.
		Other than tritium	1.1xE8	No discharge
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 (Equivalent to Cobalt 60)	2.0xE6	8.9xE4	
Tokyo City University, Atomic Energy Research Institute *5	Other than tritium	-	-	
Kinki University, Atomic Energy Research Institute	Other than tritium	3.7xE7	2.5xE3	
Toshiba Corporation	Research Reactor Center	Other than tritium	3.7xE6	N.D.
	Nuclear Engineering Laboratory	Other than tritium	3.7xE6	N.D.
Hitachi, Ltd., Power & Industrial Systems, Nuclear System Division, Ozenji Hitachi Training Reactor Center	Other than tritium	#1	No discharge (No discharge)	

*1: The Nuclear Science Research Institute, Tokai Research and Development Center, Japan Atomic Energy Agency receives liquid radioactive waste generated by the adjoining place of business and facilities other than the reactor facility.

*2: The liquid radioactive waste generated from facilities other than the HTTR facility of the Oarai Research & Development Center(North Area), Japan Atomic Energy Agency is not included in this table since it is transferred to the waste management facility of the center.

*3: The liquid radioactive waste from the Oarai Research & Development Center (North Area), Japan Atomic Energy Agency is not included in this table since it is transferred to the waste management facility of the Oarai Research & Development Center (North Area).

*4: For Rikkyo University, the annual release control target value is the total for nuclear fuel using facility and reactor facility.

*5: According to the approval of alteration of the decommissioning plan dated on February 25 2010, the liquid waste disposal facility has suspended the function.

*6: Due to the consequence of radioactive material release by the accident of Tokyo Electric Power Co. Inc., Fukushima Daiichi NPS.

(Note) Remarks for this table;

(1) #1; Reactor facility for which the annual release control target value is not stipulated.

(2) #2; Values in the parenthesis () are the actual values in the last fiscal year.

(3) N.D.; Less than the detection limit.

(Example in the table) "x E-3" shows "x 10⁻³."