

#### (4) Reprocessing Facilities

##### i) Radioactive solid waste

Facility		Low-level radioactive solid waste (number of drums)				Total (equivalent to the number of drums) *1	Storage equipment capacity (equivalent to the number of drums)
		Drums	Asphalt-solidified waste	Plastic- solidified waste	Other types (equivalent to the number of drums) *1		
Japan Atomic Energy Agency Reprocessing Facilities	Storage at the end of previous fiscal year	31,875	29,967	1,812	11,717	75,371	92,140
	Production in this fiscal year	138	0	0	188	326	
	Reduction in this fiscal year	0	0	0	144	144	
	Storage at the end of this fiscal year	32,013	29,967	1,812	11,761	75,553	
Japan Nuclear Fuel Ltd. Reprocessing plant (Reprocessing Facility)	Storage at the end of previous fiscal year	9,548	—	—	12,827	22,375	*17 74,750
	Production in this fiscal year	1,516	—	—	6,305	7,821	
	Reduction in this fiscal year	2,116	—	—	*16 3,436	*16 5,552	
	Storage at the end of this fiscal year	8,948	—	—	*16 15,696	*16 24,644	

Facility		Low-level radioactive solid waste	High-level radioactive solid waste (equivalent to the number of drums) *1			Total (equivalent to the number of drums) *1	Storage equipment capacity (equivalent to the number of drums)
		Sheared coated debris, etc.	Spent filters, etc.	Sampling jars, etc.			
Japan Atomic Energy Agency Reprocessing Facilities	Production in this fiscal year	—	7	0	10	17	10,320
	Reduction in this fiscal year	—	0	0	0	0	
	Storage at the end of this fiscal year	—	4,914	302	1,343	6,559	
Japan Nuclear Fuel Ltd. *18 Reprocessing plant (Reprocessing Facility)	Production in this fiscal year	0	—	—	—	0	2,000
	Reduction in this fiscal year	0	—	—	—	0	
	Storage at the end of this fiscal year	219	—	—	—	219	

##### ii) Radioactive liquid waste

Facility		*19 Vitrified waste (number of units)	Low-level radioactive liquid waste (m <sup>3</sup> )			High-level radioactive liquid waste (m <sup>3</sup> )
			Low-level radioactive concentrated liquid waste	Sludge	Solvent waste	
Japan Atomic Energy Agency Reprocessing Facilities	Production in this fiscal year	0	*20 48	17	0	0
	Reduction in this fiscal year	0	0	0	0	4
	Storage at the end of this fiscal year	247	2,768	1,136	*21 105	380
Japan Nuclear Fuel Ltd. Reprocessing plant (Reprocessing Facility)	Production in this fiscal year	0	—	—	—	—
	Reduction in this fiscal year	0	—	—	—	—
	Storage at the end of this fiscal year	107	—	—	—	—

\*16 1,280-equivalent drums that were transported temporarily from the primary low-level radioactive waste storage building for waste arrangement are not included in the reduction in this fiscal year but included in the storage at the end of this fiscal year.

\*17 The storage capacity includes the capacity of the spent resin storage tank (roughly 190 m<sup>3</sup> × 3 units, 80 m<sup>3</sup> × 2 units, 120 m<sup>3</sup> × 1 unit), equivalent to 4,250 drums.

\*18 Sheared coated debris, etc. are stored in 1,000-liter drums.

\*19 The vitrified waste at the Japan Atomic Energy Agency's Reprocessing Facility is stored in 120-liter drums.

The vitrified waste at the Japan Nuclear Fuel Ltd.'s Reprocessing Plant (reprocessing facility) is stored in containers of approx. 1,340 mm height and approx. 430 mm diameter.

\*20 This includes the liquid waste from the liquid waste tanks and the line cleaning water, etc.

\*21 The reduction to correct the instrumentation is approx. 1 m<sup>3</sup>.

## (5) Waste Burial Facilities, Waste Management Facilities

## i) Radioactive solid waste

Facility		Low-level radioactive solid waste (number of drums)			Total (equivalent to the number of drums) *1	Storage equipment capacity (equivalent to the number of drums)
		Drums	Asphalt-solidified waste	Other types (equivalent to the number of drums) *1		
Japan Nuclear Fuel Ltd. Uranium Enrichment Plant/Low-level Radioactive Waste Disposal Center (Waste Burial Facilities)	Storage at the end of previous fiscal year	0	—	0	0	80
	Production in this fiscal year	0	—	0	0	
	Reduction in this fiscal year	0	—	0	0	
	Storage at the end of this fiscal year	0	—	0	0	
Japan Nuclear Fuel Ltd. Reprocessing plant (Waste Management Facilities)	Storage at the end of previous fiscal year	912	—	44	956	1,200
	Production in this fiscal year	56	—	0	56	
	Reduction in this fiscal year	0	—	0	0	
	Storage at the end of this fiscal year	968	—	44	1,012	
Japan Atomic Energy Agency Waste Burial Facilities  *22	Storage at the end of previous fiscal year	—	—	—	—	—
	Production in this fiscal year	—	—	—	—	
	Reduction in this fiscal year	—	—	—	—	
	Storage at the end of this fiscal year	—	—	—	—	
Japan Atomic Energy Agency Waste Management Facilities  *23	Storage at the end of previous fiscal year	(523) 16,365	534	(40) 11,594	(563) 28,493	42,795
	Production in this fiscal year	(97) 254	4	0 85	(97) 343	
	Reduction in this fiscal year	0	0	0	0	
	Storage at the end of this fiscal year	(620) 16,619	538	(40) 11,679	(660) 28,836	

## ii) Radioactive liquid waste

Facility		Low-level radioactive liquid waste (m <sup>3</sup> )
Japan Nuclear Fuel Ltd. Uranium Enrichment Plant/Low-level Radioactive Waste Disposal Center (Waste Burial Facilities)	Production in this fiscal year	—
	Reduction in this fiscal year	—
	Storage at the end of this fiscal year	—
Japan Nuclear Fuel Ltd. Reprocessing plant (Waste Management Facilities)	Production in this fiscal year	0
	Reduction in this fiscal year	0
	Storage at the end of this fiscal year	0
Japan Atomic Energy Agency Waste Burial Facilities  *22	Production in this fiscal year	—
	Reduction in this fiscal year	—
	Storage at the end of this fiscal year	—
Japan Atomic Energy Agency Waste Management Facilities	Production in this fiscal year	—
	Reduction in this fiscal year	—
	Storage at the end of this fiscal year	—

\*22 There is no generation of solid or liquid radioactive waste.

Roughly 1,670 tons of solid waste associated with the dismantling of JPDR are already buried.

\*23 The numbers in parentheses indicate the amount generated at the facility, and are included in the total amount shown below the numbers. The numbers on the bottom are the total amount of waste managed at the management facility.

The storage facility capacity includes the capacity of the processing facility and waste burial facility.