

Waste Management Facilities

Facility		Radioactive gaseous waste		
		Cobalt [⁶⁰ Co] (Bq/cm ³)	Radioactive Cesium [Cs] (Bq/cm ³)	Radioactive Ruthenium [Ru] (Bq/cm ³)
Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Storage Facility)	Waste management facilities total	/	N.D.	N.D.
	Concentration control target	/	9.0E-07	1.0E-07
Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Waste management facilities total	N.D.	N.D.	—
	Concentration control target *19	—	—	—

*18

(cont.)

Facility		Radioactive gaseous waste	
		Radioactive Argon [Ar] (Bq/cm ³)	Plutonium [²³⁹ Pu] (Bq/cm ³)
Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Storage Facility)	Waste management facilities total	N.D.	/
	Concentration control target	—	/
Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Waste management facilities total	—	N.D.
	Concentration control target *19	—	—

*18

Facility		Radioactive liquid waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive Cesium [Cs] (Bq)	Others (Bq)
Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Storage Facility)	Annual release	—	—	—	—
	Annual release control target	—	—	—	—
Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Annual release	5.7E+09	N.D.	N.D.	—
	Annual release control target	3.7E+12	2.2E+08	1.8E+09	2.2E+08

*20

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Note: N.D. is used to indicate values lower than the detection limit concentration.

Detection limit concentrations (Bq/cm³) are as follows.

Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Management Facilities)

Radioactive gaseous waste
 Radioactive Cs : 4E-09 or less
 Radioactive Ru : 1E-08 or less
 Radioactive Ar : 1E-04 or less

Japan Atomic Energy Agency, Waste Management Facilities

Radioactive gaseous waste
⁶⁰Co : 6.2E-09 or less
²³⁹Pu : 5.2E-10 or less
 Radioactive Cs : 7.5E-09 or less
 Radioactive liquid waste
⁶⁰Co : 2.4E-05 or less
 Radioactive Cs : 3.5E-05 or less

*18: Hereafter, the "Japan Atomic Energy Agency, Radioactive Waste Management Facility"

*19: For the Radioactive Waste Management Facility, Japan Atomic Energy Agency, concentration control targets for gaseous waste are specified for each ventilation stack; no concentration control target is specified for the entire facility.

*20: Since all radioactive liquid waste is stored for disposal within the facilities, no external release has occurred.