

Waste Management Facilities

Facility	Item	Gaseous Radioactive 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 targets	/	9.0E-07	1.0E-07
*18 Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Waste management facilities total	N.D.	N.D.	—
	Concentration *19 control targets	—	—	—

(cont.)

Facility	Item	Gaseous Radioactive 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 targets	—	/
*18 Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Waste management facilities total	—	N.D.
	Concentration *19 control targets	—	—

Facility	Item	Liquid Radioactive Waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive Cesium [Cs] (Bq)	Others (Bq)
*20 Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Storage Facility)	Annual release	—	—	—	—
	Release control target value	—	—	—	—
*18 Japan Atomic Energy Agency, Oarai Research and Development Center, Radioactive Waste Management Facility	Annual release	9.8E+09	N.D.	N.D.	—
	Release control target value	3.7E+12	2.2E+08	1.8E+09	2.2E+08

Note: Values lower than the detection limit of radioactivity are indicated as N.D.

The detection limits are as follows. (Bq/cm³)

Japan Nuclear Fuel Ltd., Reprocessing Plant
(Waste Storage Facility)

Gaseous Radioactive Waste

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

Radioactive Waste Management Facility,

Japan Atomic Energy Agency

Gaseous Radioactive Waste

⁶⁰Co : 7.8E-09 or less
²³⁹Pu : 9.0E-10 or less
Radioactive Cs : 7.4E-09 or less

Radioactive Liquid Waste

⁶⁰Co : 3.6E-05 or less
Radioactive Cs : 4.5E-05 or less

*18: Hereinafter referred to as the “Radioactive Waste Management Facility, Japan Atomic Energy Agency”

*19: For the Radioactive Waste Management Facility, Japan Atomic Energy Agency, the concentration control target values of gaseous waste are established for each exhaust stack; the concentration control target values for the whole facilities are not established.

*20: Because all of the liquid radioactive waste is stored for disposal within the facilities, there is no external release.