

Waste Management Facilities

Facility	Item	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 Management Facilities)	Waste management facilities total	/	N.D.	N.D.
	Concentration control targets	/	9.0E-07	1.0E-07
*20 Japan Atomic Energy Agency, Oarai Research and Development Center Waste Management Facilities	Waste management facilities total	N.D.	N.D.	-
	*21 Concentration control targets	-	-	-

(cont.)

Facility	Item	Radioactive Gaseous Waste	
		Radioactive Argon [Ar] (Bq / cm ³)	Plutonium [²³⁹ Pu] (Bq / cm ³)
Japan Nuclear Fuel Ltd., Reprocessing Plant (Waste Management Facilities)	Waste management facilities total	N.D.	/
	Concentration control targets	—	/
*20 Japan Atomic Energy Agency, Oarai Research and Development Center, Waste Management Facilities	Waste management facilities total	—	N.D.
	*21 Concentration control targets	—	—

Facility	Item	Radioactive Liquid Waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive Cesium [Cs] (Bq)	Others (Bq)
*22 Japan Nuclear Fuel Ltd., Reprocessing plant (Waste management facilities)	Annual release	-	-	-	-
	Release control target value	-	-	-	-
*20 Japan Atomic Energy Agency, Oarai Research and Development Center, Waste management facilities	Annual release	1.9E+10	N.D.	N.D.	-
	Release control target value	3.7E+12	2.2E+08	1.8E+09	2.2E+08

Notes: 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 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 : 1.6E-08 or less
²³⁹Pu : 6.1E-10 or less
Radioactive Cs : 1.2E-08 or less

Radioactive liquid waste

⁶⁰Co : 2.1E-05 or less
Radioactive Cs : 3.0E-05 or less

*20: Hereinafter referred to as the “JAEA waste management facilities”

*21: For the waste management facilities of the 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.

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