

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 management facilities)	Waste management Facilities total	–	N.D.	N.D.
	Control concentration targets	–	9.0E-07	1.0E-07
*14 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Waste management Facilities total	N.D.	N.D.	–
	*15 Control concentration targets	–	–	–

(cont.)

Facility		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.	–
	Control concentration targets	–	–
*14 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Waste management Facilities total	–	N.D.
	*15 Control concentration targets	–	–

Facility		Radioactive liquid waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive cesium [Cs] (Bq)	Others (Bq)
*16 Japan Nuclear Fuel Ltd. Reprocessing plant (Waste management facilities)	Annual release	–	–	–	–
	Release control target value	–	–	–	–
*14 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Annual release	2.4E+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) Japan Atomic Energy Agency, Waste management facilities

Radioactive gaseous waste

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

Radioactive gaseous waste

⁶⁰Co : 6.7E-09 or less
Radioactive Cs : 1.3E-09 or less
²³⁹Pu : 8.9E-10 or less

Radioactive liquid waste

⁶⁰Co : 3.2E-05 or less
Radioactive Cs : 2.6E-05 or less

*14 Hereinafter, it will be referred to as “Japan Atomic Energy Agency, waste management facilities.”

*15 For the waste management facilities of 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.

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