

Waste management facilities

Facility		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 management facilities)	Waste management facilities total	-	N.D.	N.D.
	Concentration control target value	-	9.0×10 ⁻⁷	1.0×10 ⁻⁷
Japan Atomic Energy Agency Oarai R&D Center Waste management facilities	Waste management facilities total	N.D.	N.D.	—
	Concentration control target value	-	-	-

(cont.)

Facility		Gaseous radioactive 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 target value	-	-
Japan Atomic Energy Agency Oarai R&D Center Waste management facilities	Waste management facilities total	-	N.D.
	Concentration control target value	-	—

Note: 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 e

Facility		Liquid radioactive waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive cesium [Cs] (Bq)	Others (Bq)
Japan Nuclear Fuel Ltd. Reprocessing Plant (waste management facilities)	Annual release	—	—	—	—
	Release control target value	—	—	—	—
Japan Atomic Energy Agency Oarai R&D Center Waste management facilities	Annual release	11 1.7×10 ¹¹	N.D.	N.D.	5 2.7×10 ⁵
	Release control target value	12 3.7×10 ¹²	8 2.2×10 ⁸	9 1.8×10 ⁹	8 2.2×10 ⁸

Note: Released radioactivity concentration lower than the detection limit concentration is represented as N.D.
The detection limit concentration is as follows: (Bq/cm³)

Japan Nuclear Fuel Ltd., Reprocessing Plant (waste management facilities)	Gaseous radioactive waste	Radioactive Cs	: 4×10 ⁻⁹ or lower	Radioactive Ru	: 1×10 ⁻⁸ or lower	Radioactive Ar	: 1×10 ⁻⁴ or lower
Japan Atomic Energy Agency, waste management facilities	Gaseous radioactive waste	⁶⁰ Co	: 9.6×10 ⁻⁹ or lower	Radioactive Cs	: 1.4×10 ⁻⁹ or lower	²³⁹ Pu	: 1.4×10 ⁻⁹ or lower
	Liquid radioactive waste	⁶⁰ Co	: 4.9×10 ⁻⁵ or lower	Radioactive Cs	: 4.2×10 ⁻⁵ or lower		

*11 Since all liquid radioactive waste is stored for disposal within the facility, there is no release out of the facility.

*12 Hereinafter referred to as "Japan Atomic Energy Agency, waste management facilities".