

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 facility)	Waste management facilities total	-	N.D.	N.D.
	Concentration control target value	-	9.0×10 ⁻⁷	1.0×10 ⁻⁷
*14 Japan Atomic Energy Agency O-arai Research and Development Center Waste management facilities	Waste management facilities total	N.D.	N.D.	-
	*15 Concentration control target value	-	-	-

(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.	-
	Concentration control target value	-	-
*14 Japan Atomic Energy Agency O-arai Research and Development Center Waste management facilities	Waste management facilities total	-	N.D.
	*15 Concentration control target value	-	-

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 facility)	Annual release	-	-	-	-
	Release control target value	-	-	-	-
*14 Japan Atomic Energy Agency O-arai Research and Development Center Waste management facilities	Annual release	1.2×10 ¹¹	N.D.	N.D.	-
	Release control target value	3.7×10 ¹²	2.2×10 ⁸	1.8×10 ⁹	2.2×10 ⁸

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 : 4 x 10⁻⁹ or less
Radioactive Ru : 1 x 10⁻⁸ or less
Radioactive Ar : 1 x 10⁻⁴ or less

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Waste management facilities

Radioactive gaseous waste

⁶⁰Co : 3.7 x 10⁻⁸ or less
Radioactive Cs : 1.4 x 10⁻⁹ or less
²³⁹Pu : 5.3 x 10⁻⁹ or less

Radioactive liquid waste

⁶⁰Co : 6.3 x 10⁻⁵ or less
Radioactive Cs : 5.8 x 10⁻⁵ 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.