

Waste Management Facilities

Facility		Radioactive gaseous waste		
		Cobalt [⁶⁰ Co] (Bq/cm ³)	Cesium [Cs] (Bq/cm ³)	Ruthenium [Ru] (Bq/cm ³)
Japan Nuclear Fuel Ltd. Reprocessing Plant (Waste management facility)	* 1,3 Waste management Facilities Total	-	N.D.	N.D.
	Control concentration targets	-	9.0×10 ⁻⁷	1.0×10 ⁻⁷
Japan Atomic Energy Research Institute Oarai Research Establishment (Waste management facility)	* 2 Waste management Facilities Total	N.D.	N.D.	-
	Control concentration targets	-	-	-

(cont.)

Facility		Radioactive gaseous waste	
		Argon [Ar] (Bq/cm ³)	Plutonium [²³⁹ Pu] (Bq/cm ³)
Japan Nuclear Fuel Ltd. Reprocessing Plant (Waste management facility)	* 1 Waste management Facilities Total	N.D.	-
	Control concentration targets	-	-
Japan Atomic Energy Research Institute Oarai Research Establishment (Waste management facility)	* 2 Waste management Facilities Total	-	N.D.
	Control concentration targets	-	-

Notes) Control concentration targets for gaseous waste at Oarai Research Establishment are set by each stack and no targets are set for the entire facility.

Facility		Radioactive liquid waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Cesium [Cs] (Bq)	Others (Bq)
Japan Nuclear Fuel Ltd. Reprocessing Plant (Waste management facility)	* 4 -	-	-	-	-
	-	-	-	-	-
Japan Atomic Energy Research Institute Oarai Research Establishment (Waste management facility)	* 2 Annual release	9.7×10 ¹¹	6.8×10 ⁶	N.D.	1.1×10 ⁷
	Control concentration targets	3.7×10 ¹²	2.2×10 ⁸	1.8×10 ⁹	2.2×10 ⁸

Notes: The values lower than the detection limit of the radioactivity are indicated as N.D.

The detection limits are as follows.

Radioactive gaseous waste

Radioactive Cs	: 4.0×10 ⁻⁹ (Bq/cm ³) or less	(*1)
	: 5.1×10 ⁻⁹ (Bq/cm ³) or less	(*2)
Radioactive Ru	: 1.0×10 ⁻⁸ (Bq/cm ³) or less	(*1)
Radioactive Ar	: 5.0×10 ⁻⁵ (Bq/cm ³) or less	(*1)
⁶⁰ Co	: 9.0×10 ⁻⁹ (Bq/cm ³) or less	(*2)
²³⁹ Pu	: 1.3×10 ⁻⁹ (Bq/cm ³) or less	(*2)

Radioactive liquid waste

Radioactive Cs	: 1.6×10 ⁻⁴ (Bq/cm ³) or less	(*2)
⁶⁰ Co	: 1.5×10 ⁻⁴ (Bq/cm ³) or less	(*2)

*3 The release control is based on the three-month average concentration levels in accordance with the regulations.

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