

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
*19 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Waste management Facilities total	N.D.	*1 9.4E-10	-
	*20 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	-	
*19 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Waste management Facilities total	-	N.D.
	*20 Control concentration targets	-	-

Facility		Radioactive liquid waste			
		Tritium [³ H] (Bq)	Cobalt [⁶⁰ Co] (Bq)	Radioactive cesium [Cs] (Bq)	Others (Bq)
*21 Japan Nuclear Fuel Ltd. Reprocessing plant (Waste management facilities)	Annual release	-	-	-	-
	Release control target value	-	-	-	-
*19 Japan Atomic Energy Agency Oarai Research and Development Center Waste management facilities	Annual release	8.3E+10	N.D.	N.D.	*18 1.4E+05
	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 : 4.5E-08 or less

²³⁹Pu : 5.1E-09 or less

Radioactive liquid waste

⁶⁰Co : 4.7E-05 or less

Radioactive Cs : 4.1E-05 or less

*18: Release of ⁹⁰Sr, which available data suggests is the effect of the accident at the Fukushima Daiichi Nuclear Power Station.

*19: Hereinafter, it will be referred to as the "Japan Atomic Energy Agency, waste management facilities."

*20: 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.

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