

II. Mean, maximum, and total values of the quantity of radioactive materials discharged from reprocessing facility to the sea for three months

(GBq)

Facility	Measured point	Measured object	First three months (Apr. to Jun.)			Second three months (Jul. to Sep.)			Detection limit value (Bq/cm ³)
			Mean value	Maximum value	Total value	Mean value	Maximum value	Total value	
Japan Atomic Energy Agency, Tokai R&D Center, Nuclear Fuel Cycle Engineering Laboratories	Sea discharge outlet	Total alpha radioactivity	ND	ND	ND	ND	ND	ND	1.1×10 ⁻³
		Total beta radioactivity (excluding tritium)	ND	ND	ND	ND	ND	ND	2.2×10 ⁻²
		⁸⁶ Sr	ND	ND	ND	ND	ND	ND	2.2×10 ⁻³
		⁹⁰ Sr	ND	ND	ND	ND	ND	ND	1.1×10 ⁻³
		⁸⁵ Zr- ⁸⁵ Nb	ND	ND	ND	ND	ND	ND	4.3×10 ⁻³
		¹⁰³ Ru	ND	ND	ND	ND	ND	ND	1.1×10 ⁻³
		¹⁰⁶ Ru- ¹⁰⁶ Rh	ND	ND	ND	ND	ND	ND	3.2×10 ⁻²
		¹³⁴ Cs	ND	ND	ND	ND	ND	ND	1.1×10 ⁻³
		¹³⁷ Cs	ND	ND	ND	ND	ND	ND	1.8×10 ⁻³
		¹⁴¹ Ce	ND	ND	ND	ND	ND	ND	2.2×10 ⁻³
		¹⁴⁴ Ce- ¹⁴⁴ Pr	ND	ND	ND	ND	ND	ND	2.2×10 ⁻²
		³ H	7.4×10	6.4×10 ²	6.7×10 ³	2.4	5.0×10	2.2×10 ²	-
		¹²⁹ I	ND	ND	ND	3.6×10 ⁻⁵	1.1×10 ⁻⁴	3.3×10 ⁻³	1.4×10 ⁻³
		¹³¹ I	ND	ND	ND	ND	ND	ND	1.8×10 ⁻³
		Pu(α)	1.1×10 ⁻⁵	1.7×10 ⁻⁵	1.0×10 ⁻³	1.0×10 ⁻⁶	1.6×10 ⁻⁶	9.6×10 ⁻⁵	-
		Japan Nuclear Fuel Ltd. Reprocessing Plant	Sea discharge outlet of sea discharge monitoring equipment	³ H	1.2×10 ³	3.6×10 ⁴	1.1×10 ⁵	8.8×10 ²	4.4×10 ⁴
¹²⁹ I	1.6×10 ⁻⁴			7.2×10 ⁻³	1.5×10 ⁻²	2.8×10 ⁻⁴	1.7×10 ⁻²	2.6×10 ⁻²	-
¹³¹ I	2.7×10 ⁻⁵			1.9×10 ⁻³	2.5×10 ⁻³	ND	ND	ND	2×10 ⁻²
Other nuclides (nuclides that emit alpha rays)	ND			ND	ND	ND	ND	ND	4×10 ⁻³ (Note 1)
Other nuclides (nuclides that do not emit alpha rays)	ND			ND	ND	ND	ND	ND	4×10 ⁻² (Note 2)
Pu(α)	ND			ND	ND	ND	ND	ND	1×10 ⁻³
²⁴¹ Pu	ND			ND	ND	ND	ND	ND	3×10 ⁻²
Am(α)	ND			ND	ND	ND	ND	ND	6×10 ⁻⁵
Cm(α)	ND			ND	ND	ND	ND	ND	6×10 ⁻⁵
⁶⁰ Co	ND			ND	ND	ND	ND	ND	2×10 ⁻²
¹⁰⁶ Ru/ ¹⁰⁶ Rh	ND			ND	ND	ND	ND	ND	2×10 ⁻²
¹³⁴ Cs	ND			ND	ND	ND	ND	ND	2×10 ⁻²
¹³⁷ Cs/ ^{137m} Ba	ND			ND	ND	ND	ND	ND	2×10 ⁻²
¹⁴⁴ Ce/ ^{144m} Pr, ¹⁴⁴ Pr	ND			ND	ND	ND	ND	ND	2×10 ⁻²
¹⁵⁴ Eu	ND			ND	ND	ND	ND	ND	2×10 ⁻²
⁹⁰ Sr/ ⁹⁰ Y	ND	ND	ND	ND	ND	ND	7×10 ⁻⁴		

Note: The quantity of radioactive materials is obtained by multiplying a concentration of radioactive materials in discharge water by the quantity of discharge water.

(Note 1) The detection limit values of other nuclides (nuclides that emit alpha rays) are written with the values of total alpha as representatives.

(Note 2) The detection limit values of other nuclides (nuclides that do not emit alpha rays) are written with the values of total beta(r) as representatives.