I-4 Reprocessing facility

Facility	Measured point		Measured object Total alpha radioactivity	First three months (Oct. to Dec.)		Second three months (Jan. to Mar.)		Detection limit valu
				Mean value ND	Maximum value ND	Mean value ND	Maximum value ND	1.5×10 ⁻¹⁰
	Exhaust outlet or exhaust monitoring equipment (main stack, first sub stack, and second sub stack)		Total beta and gamma radioactivity (excluding 85Kr, 3H,	ND	ND	ND	ND	1.5×10
Japan Atomic Energy Agency, Tokai R&D Center, Nuclear Fuel Cycle Engineering Laboratories			14C, 131I, and 129I.) 85Kr	2.4×10 ⁻³	3.3×10 ⁻³	ND	ND	2.4×10 ⁻³
			³H	2.7×10 ⁻⁴	3.3×10 ⁻⁴	2.7×10 ⁻⁴	3.2×10 ⁻⁴	2.4410
			14C	ND	ND	ND	ND	4.0×10 ⁻⁵
			131	ND	ND	ND	ND	3.7×10 ⁻⁸
			¹²⁹ [4.0×10 ⁻⁸	6.5×10 ⁻⁸	ND	ND	3.7×10 ⁻⁸
			Total alpha radioactivity	ND	ND	ND	ND	1.1×10 ⁻³
	Sea discharge outlet of sea discharge monitoring equipment		Total beta radioactivity	ND	ND	ND	ND	2.2×10 ⁻²
			(excluding tritium.)					
			⁸⁹ Sr	ND	ND	ND	ND	2.2×10 ⁻³
			⁹⁰ Sr ⁹⁵ Zr - ⁹⁵ Nb	ND ND	ND ND	ND ND	ND ND	1.1×10 ⁻³ 4.3×10 ⁻³
			21 - ND 103Ru	ND ND	ND	ND	ND	4.5×10 1.1×10 ⁻³
			¹⁰⁶ Ru - ¹⁰⁶ Rh	ND	ND	ND	ND	3.2×10 ⁻²
			¹³⁴ Cs	ND	ND	ND	ND	1.1×10 ⁻³
			¹³⁷ Cs	ND	ND	ND	ND	1.8×10 ⁻³
			¹⁴¹ Ce	ND	ND	ND	ND	2.2×10 ⁻³
			¹⁴⁴ Ce - ¹⁴⁴ Pr	ND	ND	ND	ND	2.2×10 ⁻²
			³ H	1.0×10 ²	2.7×10 ²	ND	ND	3.7
			¹²⁹ [2.8×10 ⁻³	3.0×10 ⁻³	ND	ND	1.4×10 ⁻³
			¹³¹ I	ND	ND	ND	ND	1.8×10 ⁻³
			Pu(α)	6.2×10 ⁻⁵	8.5×10 ⁻⁵	ND	ND	3.7×10 ⁻⁵
Japan Nuclear Fuel Limited, Reprocessing Plant		Exhaust outlet of main exhaust stack Exhaust outlet of ventilation stack of spent fuel receiving and storage building	⁸⁵ Kr	5.0	3.9×10 ¹	8.8×10 ⁻¹	2.0×10 ¹	-
			³ H	1.0×10 ⁻³	2.5×10 ⁻³	3.7×10 ⁻⁴	2.0×10 ⁻³	-
			¹⁴ C	2.5×10 ⁻⁴	8.1×10 ⁻⁴	9.7×10 ⁻⁵	8.1×10 ⁻⁴	-
			129 ₁	3.8×10 ⁻⁸	1.2×10 ⁻⁷	1.3×10 ⁻⁸	1.2×10 ⁻⁷	-
			131	9.3×10 ⁻¹⁰	2.7×10 ⁻⁹	1.5×10 ⁻⁹	9.3×10 ⁻⁹	-
			Other nuclides (nuclides that emit alpha rays)	ND	ND	ND	ND	4×10 ⁻¹⁰ (Note
	monitoring equipment		Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻⁹ (Note
			Pu(α)	ND	ND	ND	ND	4×10 ⁻¹⁰
			¹⁰⁶ Ru/ ¹⁰⁶ Rh	ND	ND	ND	ND	4×10 ⁻⁹
			¹³⁷ Cs/ ^{137m} Ba	ND	ND	ND	ND	4×10 ⁻⁹
			⁹⁰ Sr/ ⁹⁰ Y	ND	ND	ND	ND	4×10 ⁻¹⁰
			85Kr	ND	ND	ND	ND .	2×10 ⁻²
			³ H 129 ₁	1.3×10 ⁻⁵	1.6×10 ⁻⁵	1.2×10 ⁻⁵	1.4×10 ⁻⁵	
			Other nuclides (nuclides that	ND	ND	ND	ND	4×10 ⁻⁸
			do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻⁹ (Note 2
		Exhaust outlet of ventilation stack of spen fuel transportation container control building	Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻⁹ (Note 2
		Exhaust outlet of ventilation stack of low-level waste treatment building	³ H	6.3×10 ⁻⁷	3.0×10 ⁻⁶	2.2×10 ⁻⁷	1.2×10 ⁻⁶	-
			Other nuclides (nuclides that emit alpha rays)	ND	ND	ND	ND	4×10 ⁻¹⁰ (Note
			Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻⁹ (Note 2
		Exhaust outlet of ventilation stack of hull end piece and first vitrified waste storage building	Other nuclides (nuclides that emit alpha rays)	ND	ND	ND	ND	4×10 ⁻¹⁰ (Note
			Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻⁹ (Note 2
		Exhaust outlet of cooling air outlet shaft o high-level liquid waste vitrification building	Radioactive argon	ND	ND	ND	ND	1×10 ⁻⁴
		Exhaust outlet of cooling air outlet shaft of first vitrified waste storage building	Radioactive argon	ND	ND	ND	ND	1×10 ⁻⁴
	,		³ H	5.3×10 ⁴	1.7×10 ⁵	2.8×10 ⁴	6.5×10 ⁴	-
			¹²⁹ l	6.8×10 ⁻³	5.0×10 ⁻²	9.6×10 ⁻³	1.7×10 ⁻²	-
			¹³¹ I	1.3×10 ⁻⁴	1.5×10 ⁻³	ND	ND	2×10 ⁻²
			Other nuclides (nuclides that emit alpha rays)	ND	ND	ND	ND	4×10 ⁻³ (Note
			Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 ⁻² (Note
		tokatana dia kanana mana	Pu(α)	ND	ND	ND	ND	1×10 ⁻³
		tlet of sea discharge monitoring	²⁴¹ Pu	ND	ND	ND	ND	3×10 ⁻²
	equipment		Am(α)	ND ND	ND ND	ND ND	ND ND	6×10 ⁻⁵
			Cm(a)	ND ND	ND ND	ND ND	ND ND	6×10 ⁻⁵ 2×10 ⁻²
			106Ru/106Rh	ND ND	ND ND	ND	ND	2×10 ⁻²
			134Cs	ND	ND	ND	ND	2×10 ⁻²
			¹³⁷ Cs/ ^{137m} Ba	ND	ND	ND	ND	2×10 ⁻²
			¹⁴⁴ Ce/ ^{144m} Pr, ¹⁴⁴ Pr	ND	ND	ND	ND	2×10 ⁻²
			¹⁵⁴ Eu	ND	ND	ND	ND	2×10 ⁻²
			⁹⁰ Sr/ ⁹⁰ Y	ND	ND	ND	ND	7×10 ⁻⁴

| ND ND NI (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 alpha as representatives.