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 (Oct. to Dec.)			Second three months (Jan. to Mar.)			Detection limit value
			Mean value	Maximum value	Total value	Mean value	Maximum value	Total value	(Bq/cm^3)
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}
		^{89}Sr	ND	ND	ND	ND	ND	ND	2.2×10^{-3}
		^{90}Sr	ND	ND	ND	ND	ND	ND	1.1×10^{-3}
		^{95}Zr - ^{95}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	3.8	7.9×10	3.5×10^{2}	ND	ND	ND	3.7
		^{129}I	9.8×10^{-5}	2.2×10^{-4}	9.0×10^{-3}	ND	ND	ND	1.4×10^{-3}
		^{131}I	ND	ND	ND	ND	ND	ND	1.8×10^{-3}
		Pu(α)	2.3×10^{-6}	4.0×10^{-6}	2.1×10^{-4}	ND	ND	ND	3.7×10^{-5}
Japan Nuclear Fuel Limited, Reprocessing Plant	Sea discharge outlet of sea discharge monitoring equipment	^{3}H	9.6×10^{3}	9.9×10^{4}	8.8×10^{5}	2.7×10^{3}	3.8×10^{4}	2.5×10^{5}	-
		^{129}I	1.2×10^{-3}	2.9×10^{-2}	1.1×10^{-1}	9.2×10^{-4}	1.0×10^{-2}	8.4×10^{-2}	-
		^{131}I	2.3×10^{-5}	8.8×10^{-4}	2.1×10^{-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(gamma) as representatives.