## I-4. Reprocessing facility

(Bq/cm<sup>3</sup>)

Facility	Measured point	Measured object	First three months (Apr. to Jun.)		Second three months (Jul. to Sep.)		Detection limit value
			Mean value	Maximum value	Mean value	Maximum value	
	Exhaust outlet or exhaust monitoring equipment (main stack, first sub stack, and second sub stack)	Total alpha radioactivity	ND	ND	ND	ND	1.5×10 <sup>-10</sup>
		Total beta and gamma radioactivity (excluding <sup>85</sup> Kr, <sup>3</sup> H, <sup>14</sup> C, <sup>131</sup> I, and <sup>129</sup> I.)	ND	ND	ND	ND	1.5×10 <sup>-9</sup>
		<sup>85</sup> Kr	1.1×10 <sup>-1</sup>	1.7	2.4×10 <sup>-3</sup>	4.9×10 <sup>-3</sup>	-
		<sup>3</sup> H	3.3×10 <sup>-4</sup>	4.6×10 <sup>-4</sup>	2.3×10 <sup>-4</sup>	3.3×10 <sup>-4</sup>	-
		<sup>14</sup> C	4.2×10 <sup>-5</sup>	6.0×10 <sup>-5</sup>	ND	ND	4.0×10 <sup>-5</sup>
		131	ND	ND	ND	ND	3.7×10 <sup>-8</sup>
		<sup>129</sup> [	4.0×10 <sup>-8</sup>	5.4×10 <sup>-8</sup>	ND	ND	3.7×10 <sup>-8</sup>
	Sea discharge outlet of sea discharge monitoring equipment	Total alpha radioactivity	ND	ND	ND	ND	1.1×10 <sup>-3</sup>
Japan Atomic Energy Agency, Tokai R&D		Total beta radioactivity (excluding tritium.)	ND	ND	ND	ND	2.2×10 <sup>-2</sup>
Center, Nuclear Fuel		<sup>89</sup> Sr	ND	ND	ND	ND	2.2×10 <sup>-3</sup>
Cycle Engineering Laboratories		<sup>90</sup> Sr	ND	ND	ND	ND	1.1×10 <sup>-3</sup>
Laboratories		<sup>98</sup> Zr- <sup>95</sup> Nb	ND	ND	ND	ND	4.3×10 <sup>-3</sup>
		<sup>103</sup> Ru	ND	ND	ND	ND	1.1×10 <sup>-3</sup>
		<sup>105</sup> Ru- <sup>106</sup> Rh	ND	ND	ND	ND	3.2×10 <sup>-2</sup>
		<sup>134</sup> Cs	ND	ND	ND	ND	1.1×10 <sup>-3</sup>
		<sup>137</sup> Cs	ND	ND	ND	ND	1.8×10 <sup>-3</sup>
		<sup>14</sup> Ce	ND	ND	ND	ND	2.2×10 <sup>-3</sup>
		<sup>144</sup> Ce- <sup>144</sup> Pr	ND	ND	ND	ND	2.2×10 <sup>-2</sup>
		<sup>3</sup> H	9.9×10 <sup>2</sup>	3.0×10 <sup>3</sup>	8.8×10	1.7×10 <sup>2</sup>	-
		<sup>129</sup>	ND	ND	2.0×10 <sup>-3</sup>	2.8×10 <sup>-3</sup>	1.4×10 <sup>-3</sup>
		131	ND	ND	ND	ND	1.8×10 <sup>-3</sup>
		Pu(α)	1.5×10 <sup>-4</sup>	1.8×10 <sup>-4</sup>	5.6×10 <sup>-5</sup>	1.1×10 <sup>-4</sup>	-

(Bq/cm<sup>3</sup>)

				First three months (Apr. to Jun.) Second three months (Jul. to Sep			onths (Jul. to Sen )	(Bq/cm <sup>3</sup> )
Facility	Measured point		Measured object	Mean value Maximum value		Mean value Maximum value		Detection limit value
				1.2×10 <sup>0</sup>	2.8×10 <sup>1</sup>	6.1×10 <sup>0</sup>	4.3×10 <sup>1</sup>	_
		Exhaust outlet of main exhaust stack		3.8×10 <sup>-4</sup>	1.8×10 <sup>-3</sup>			-
			3H			1.1×10 <sup>-3</sup>	5.6×10 <sup>-3</sup>	-
			14C 129I	4.6×10 <sup>-5</sup> 1.2×10 <sup>-8</sup>	3.2×10 <sup>-4</sup>	2.2×10 <sup>-4</sup>	1.2×10 <sup>-3</sup>	
			131		7.3×10 <sup>-8</sup>	3.3×10 <sup>-8</sup>	1.7×10 <sup>-7</sup>	-
			Other nuclides (nuclides	1.9×10 <sup>-10</sup>	1.1×10 <sup>-9</sup>	5.6×10 <sup>-10</sup>	2.1×10 <sup>-9</sup>	
			that emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-10</sup> (Note 1)
			Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-9</sup> (Note 2)
			Pu(α)	ND	ND	ND	ND	4×10 <sup>-10</sup>
			<sup>106</sup> Ru/ <sup>106</sup> Rh	ND	ND	ND	ND	4×10 <sup>-9</sup>
			<sup>137</sup> Cs/ <sup>137m</sup> Ba	ND	ND	ND	ND	4×10 <sup>-9</sup>
			90Sr/90Y	ND	ND	ND	ND	4×10 <sup>-10</sup>
Japan Nuclear Fuel Limited, Reprocessing		Exhaust outlet of ventilation stack of spent fuel receiving and storage building	85Kr	ND	ND	ND	ND	2×10 <sup>-2</sup>
Plant	Exhaust outlet or		<sup>3</sup> H	1.6×10 <sup>-5</sup>	2.5×10 <sup>-5</sup>	1.4×10 <sup>-5</sup>	1.7×10 <sup>-5</sup>	-
	exhaust		129	ND	ND	ND	ND	4×10 <sup>-8</sup>
	monitoring equipment		Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-9</sup> (Note 2)
		Exhaust outlet of ventilation stack of spent fuel transportation container control building	Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-9</sup> (Note 2)
		Exhaust outlet of ventilation stack of low-level waste treatment building	<sup>3</sup> H	6.8×10 <sup>-8</sup>	8.8×10 <sup>-7</sup>	ND	ND	4×10 <sup>-5</sup>
			Other nuclides (nuclides that emit alpha rays) Other nuclides (nuclides	ND	ND	ND	ND	4×10 <sup>-10</sup> (Note 1
			that do not emit alpha rays) (Note 1) Other nuclides (nuclides	ND	ND	ND	ND	4×10 <sup>-9</sup> (Note 2)
		Exhaust outlet of ventilation stack of hull end piece and first vitrified waste storage building	that emit alpha rays) Other nuclides (nuclides	ND	ND	ND	ND	4×10 <sup>-10</sup> (Note 1
			that do not emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-9</sup> (Note 2)
		Exhaust outlet of cooling air outlet shaft of high-level liquid waste vitrification building	Radioactive argon	ND	ND	ND	ND	1×10 <sup>-4</sup>
		Exhaust outlet of cooling air outlet shaft of first vitrified waste storage building	Radioactive argon	ND	ND	ND	ND	1×10 <sup>-4</sup>
			<sup>3</sup> H	1.5×10 <sup>4</sup>	6.1×10 <sup>4</sup>	7.0×10 <sup>3</sup>	7.5×10 <sup>4</sup>	-
				2.1×10 <sup>-3</sup>	1.2×10 <sup>-2</sup>	2.2×10 <sup>-3</sup>	3.5×10 <sup>-2</sup>	-
			<sup>131</sup> I	3.6×10 <sup>-4</sup>	3.3×10 <sup>-3</sup>	ND	ND	2×10 <sup>-2</sup>
			Other nuclides (nuclides that emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-3</sup> (Note 1
			Other nuclides (nuclides that do not emit alpha rays)	ND	ND	ND	ND	4×10 <sup>-2</sup> (Note 2
	Sea discharge outlet of sea discharge monitoring	Pu(α)	ND	ND	ND	ND	1×10 <sup>-3</sup>	
		<sup>241</sup> Pu	ND	ND	ND	ND	3×10 <sup>-2</sup>	
		Am(α)	ND	ND	ND	ND	6×10 <sup>-5</sup>	
	equipment		Cm(a)	ND	ND	ND	ND	6×10 <sup>-5</sup>
			<sup>60</sup> Co	ND	ND	ND	ND	2×10 <sup>-2</sup>
			<sup>106</sup> Ru/ <sup>106</sup> Rh	ND	ND	ND	ND	2×10 <sup>-2</sup>
			<sup>134</sup> Cs	ND	ND	ND	ND	2×10 <sup>-2</sup>
			<sup>137</sup> Cs/ <sup>137m</sup> Ba	ND	ND	ND	ND	2×10 <sup>-2</sup>
			<sup>144</sup> Ce/ <sup>144m</sup> Pr, <sup>144</sup> Pr	ND	ND	ND	ND	2×10 <sup>-2</sup>
				ND	ND	ND	ND	2×10 <sup>-2</sup>
			90Sr/90Y	ND	ND	ND	ND	7×10 <sup>-4</sup>