# Information (17:00), June 18, 2019

To All Missions (Embassies, Consular posts and International Organizations in Japan)

## Report on the discharge record and the seawater monitoring results at Fukushima Daiichi Nuclear Power Station during May

The Ministry of Foreign Affairs wishes to provide all international Missions in Japan with a report on the discharge record and seawater monitoring results with regard to groundwater pumped from the subdrain and groundwater drain systems, as well as, bypassing groundwater pumped during the month of May at Fukushima Daiichi Nuclear Power Station (NPS).

#### 1. Subdrain and Groundwater Drain Systems

In May, purified groundwater pumped from the subdrain and groundwater drain systems was discharged on the dates shown in Appendix 1. Prior to every discharge, an analysis on the quality of the purified groundwater to be discharged was conducted by Tokyo Electric Power Company (TEPCO) and the results were announced.

All the test results during the month of May have confirmed that the radiation levels of sampled water were substantially below the operational targets set by TEPCO (these operational targets are well below the density limit specified by the Reactor Regulation). The results of these analyses were also confirmed by third-party organization (Tohoku Ryokka Kankyohozen Co. and Japan Chemical Analysis Center).

In addition, TEPCO and Japan Atomic Energy Agency (JAEA), at the request of the Government of Japan, regularly conduct more detailed analyses on the purified groundwater. The results of JAEA's latest analyses confirmed that TEPCO's analyses were accurate and verified that the radiation levels of sampled groundwater was substantially below the operational target (see Appendix 2).

Moreover, TEPCO publishes the results of analyses conducted on seawater sampled during the discharge operation at the nearest seawater sampling post from the discharge point (see Appendix 3). The results show that the radiation levels of seawater remain lower than the density limit specified by the Reactor Regulation and significant change in the radioactivity has not been observed.

### 2. Groundwater Bypassing

In May, the pumped bypassing groundwater was discharged on the dates shown in Appendix 4. Prior to every discharge, an analysis on the quality of the groundwater to be discharged was conducted by TEPCO and the results were announced.

All the test results during the month of May have confirmed that the radiation levels of sampled water were substantially below the operational targets set by TEPCO (these operational targets are well below the density limit specified by the Reactor Regulation). The results of these analyses were also confirmed by Japan Chemical Analysis Center.

In addition, TEPCO and JAEA, at the request of the Government of Japan, regularly conduct more detailed analyses on the groundwater. The results of JAEA's latest analyses confirmed that TEPCO's analyses were accurate and verified that the radiation levels of the sampled groundwater were substantially below the operational target (see Appendix 5).

Moreover, TEPCO publishes analysis results on seawater sampled during the discharge operation at the nearest seawater sampling post from the discharge point (see Appendix 6). The result shows that the radiation levels in seawater remain lower than the density limit specified by the Reactor Regulation and significant change in the radioactivity has not been observed. The analysis had been conducted once a month until March 2017. Since April 2017, it is conducted four times a year because there has been no significant fluctuation in the concentration of radioactive materials in the sea water, and no influence on the surrounding environment has been confirmed.

The sampling process for analyses conducted this month is the same as the one conducted in the information disseminated last month. Results of the analyses are shown in the attached appendices:

(For further information, please contact TEPCO at (Tel: 03-6373-1111) or refer to the TEPCO's website:

http://www.tepco.co.jp/en/nu/fukushima-np/handouts/index-e.html)

Contact: International Nuclear Cooperation Division,
Ministry of Foreign Affairs, Tel 03-5501-8227

Results of analyses on the quality of the purified groundwater pumped from the subdrain and groundwater drain systems at Fukushima Daiichi NPS (made available by TEPCO prior to discharge)

	1		(Unit: Bq/L)
Data of compline	Detected	Analytical body	
Date of sampling *Date of discharge	Detected nuclides	TEPCO	Third-party organization
	Cs-134	ND (0.56)	ND (0.57)
May 25 <sup>th</sup> , 2019	Cs-137	ND (0.68)	ND (0.62)
*Discharged on May 30 <sup>th</sup>	Gross β	ND (2.4)	ND (0.32)
May 00	H-3	730	780
	Cs-134	ND (0.40)	ND (0.60)
May 23 <sup>rd</sup> , 2019	Cs-137	ND (0.68)	ND (0.80)
*Discharged on May 28 <sup>th</sup>	Gross β	ND (0.71)	ND (0.33)
iviay 20	H-3	740	790
	Cs-134	ND (0.89)	ND (0.64)
May 21 <sup>st</sup> , 2019	Cs-137	ND (0.58)	ND (0.66)
*Discharged on May 26 <sup>th</sup>	Gross β	ND (2.2)	ND (0.33)
iviay 20	H-3	760	810
	Cs-134	ND (0.54)	ND (0.62)
May 19 <sup>th</sup> , 2019	Cs-137	ND (0.58)	ND (0.45)
*Discharged on May 24 <sup>th</sup>	Gross β	ND (2.6)	ND (0.36)
May 24	H-3	460	500
	Cs-134	ND (0.62)	ND (0.61)
May 17 <sup>th</sup> , 2019	Cs-137	ND (0.46)	ND (0.67)
*Discharged on May 22 <sup>nd</sup>	Gross β	ND (0.79)	ND (0.33)
iviay 22	H-3	570	620
	Cs-134	ND (0.49)	ND (0.68)
May 15 <sup>th</sup> , 2019	Cs-137	ND (0.63)	ND (0.70)
*Discharged on May 20 <sup>th</sup>	Gross β	ND (2.3)	ND (0.34)
iviay 20**	H-3	900	970
	Cs-134	ND (0.52)	ND (0.65)
May 13 <sup>th</sup> , 2019	Cs-137	ND (0.58)	ND (0.59)
*Discharged on May 18 <sup>th</sup>	Gross β	ND (2.6)	ND (0.34)
iviay 10	H-3	860	940
May 11 <sup>th</sup> , 2019	Cs-134	ND (0.52)	ND (0.61)
*Discharged on	Cs-137	ND (0.71)	ND (0.53)

H-3	May 16 <sup>th</sup>	Gross β	ND (2.4)	ND (0.34)
May 9th, 2019   Cs-137   ND (0.71)   ND (0.57)     *Discharged on May 14th   H-3   720   800     May 7th, 2019   Cs-134   ND (0.52)   ND (0.55)     *Discharged on May 12th   H-3   720   ND (0.56)     *Discharged on May 12th   H-3   690   750     *Discharged on May 10th   H-3   700   750     *Discharged on May 10th   H-3   700   750     *Discharged on May 9th   H-3   710   770     *Discharged on May 9th   H-3   710   770     *Discharged on May 8th   H-3   700   770     *Discharged on May 7th   H-3   700   770     *Discharged on May 7th   H-3   700   770     *Discharged on May 7th   Gross β   ND (0.62)   ND (0.64)     *Discharged on May 7th   H-3   700   750     *Discharged on May 7th   Gross β   ND (0.62)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.62)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.62)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.63)   ND (0.65)     *Discharged on May 2th   Gross β   ND (0.63)   ND (0.65)     *Discharged on May 2th   Gross β   ND (0.63)   ND (0.65)     *Discharged on May 2th   Gross β   ND (0.64)   ND (0.56)     *Discharged on May 2th   Gross β   ND (0.64)   ND (0.56)     *Discharged on May 2th   Gross β   ND (0.64)   ND (0.56)		H-3	690	750
CS-137   ND (0.71)   ND (0.37)     *Discharged on May 14th   H-3   720   800     May 7th 2019   Cs-137   ND (0.46)   ND (0.55)     *Discharged on May 12th   H-3   690   750     *Discharged on May 10th   H-3   700   750     *Discharged on May 10th   H-3   700   750     *Discharged on May 10th   H-3   700   750     *Discharged on May 9th   H-3   710   770     *Discharged on May 8th   H-3   710   770     *Discharged on May 8th   H-3   700   770     *Discharged on May 8th   H-3   700   770     *Discharged on May 8th   H-3   700   770     *Discharged on May 7th   H-3   700   770     *Discharged on May 7th   Gross β   ND (0.59)   ND (0.47)     *Discharged on May 7th   H-3   700   770     *Discharged on May 7th   Gross β   ND (0.66)   ND (0.32)     *Discharged on May 7th   Gross β   ND (0.66)   ND (0.32)     *Discharged on May 7th   Gross β   ND (0.66)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.66)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.66)   ND (0.62)     *Discharged on May 7th   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.61)   ND (0.62)     *Discharged on May 2nd   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.61)     *Discharged on May 2nd   Gross β   ND (0.63)   ND (0.66)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.61)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.65)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.65)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.65)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.65)     *Discharged on May 2nd   Gross β   ND (0.64)   ND (0.65)     *Discharged o		Cs-134	ND (0.54)	ND (0.83)
H-3   720   800	May 9 <sup>th</sup> , 2019	Cs-137	ND (0.71)	ND (0.57)
H-3   720   800		Gross β	ND (0.65)	ND (0.34)
May 7 <sup>th</sup> , 2019         Cs-137         ND (0.46)         ND (0.56)           *Discharged on May 12 <sup>th</sup> Gross β         ND (2.2)         ND (0.36)           H-3         690         750           May 5 <sup>th</sup> , 2019         Cs-134         ND (0.60)         ND (0.61)           *Discharged on May 10 <sup>th</sup> Gross β         ND (2.2)         ND (0.34)           H-3         700         750           Cs-134         ND (0.81)         ND (0.59)           May 4 <sup>th</sup> , 2019         Cs-137         ND (0.68)         ND (0.71)           *Discharged on May 9 <sup>th</sup> Gross β         ND (2.1)         ND (0.31)           H-3         710         770           Cs-134         ND (0.71)         ND (0.62)           May 3 <sup>rd</sup> , 2019         Cs-134         ND (0.71)         ND (0.62)           *Discharged on May 8 <sup>th</sup> Gross β         ND (0.59)         ND (0.47)           May 2 <sup>rd</sup> , 2019         Cs-134         ND (0.59)         ND (0.47)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.66)         ND (0.64)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.62)         ND (0.62)           *Discharged on May 2 <sup>rd</sup> Gross β         ND (0.63) <td< td=""><td>Way 14™</td><td>H-3</td><td>720</td><td>800</td></td<>	Way 14™	H-3	720	800
*Discharged on May 12th	"	Cs-134	ND (0.52)	ND (0.55)
H-3   690   750	May 7 <sup>th</sup> , 2019	Cs-137	ND (0.46)	ND (0.56)
H-3   690   750		Gross β	ND (2.2)	ND (0.36)
May 5 <sup>th</sup> , 2019         Cs-137         ND (0.53)         ND (0.76)           *Discharged on May 10 <sup>th</sup> Gross β         ND (2.2)         ND (0.34)           H-3         700         750           Cs-134         ND (0.81)         ND (0.59)           May 4 <sup>th</sup> , 2019         Cs-137         ND (0.68)         ND (0.71)           *Discharged on May 9 <sup>th</sup> Gross β         ND (2.1)         ND (0.31)           H-3         710         770           Cs-134         ND (0.71)         ND (0.62)           Cs-137         ND (0.68)         ND (0.69)           *Discharged on May 8 <sup>th</sup> Gross β         ND (0.59)         ND (0.34)           May 2 <sup>nd</sup> , 2019         Cs-134         ND (0.59)         ND (0.47)           Cs-137         ND (0.53)         ND (0.64)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.66)         ND (0.32)           H-3         700         750           Cs-134         ND (0.62)         ND (0.62)           April 27 <sup>th</sup> , 2019         Cs-137         ND (0.63)         ND (0.56)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (0.63)         ND (0.56)	Way 12	H-3	690	750
*Discharged on May 10 <sup>th</sup> *Discharged on May 10 <sup>th</sup> *Discharged on May 9 <sup>th</sup> *Discharged on May 9 <sup>th</sup> *Discharged on May 9 <sup>th</sup> *Discharged on May 8 <sup>th</sup> *Discharged on May 7 <sup>th</sup> *Discharged on May 2 <sup>th</sup> *Discharged on		Cs-134	ND (0.60)	ND (0.61)
H-3   700   750	May 5 <sup>th</sup> , 2019	Cs-137	ND (0.53)	ND (0.76)
H-3   700   750	*Discharged on	Gross β	ND (2.2)	ND (0.34)
May 4 <sup>th</sup> , 2019         Cs-137         ND (0.68)         ND (0.71)           *Discharged on May 9 <sup>th</sup> Gross β         ND (2.1)         ND (0.31)           H-3         710         770           Cs-134         ND (0.71)         ND (0.62)           May 3 <sup>rd</sup> , 2019         Cs-137         ND (0.68)         ND (0.69)           *Discharged on May 8 <sup>th</sup> Gross β         ND (2.5)         ND (0.34)           H-3         700         770           Cs-134         ND (0.59)         ND (0.47)           May 2 <sup>nd</sup> , 2019         Cs-137         ND (0.53)         ND (0.64)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.62)         ND (0.62)           April 27 <sup>th</sup> , 2019         Cs-137         ND (0.63)         ND (0.56)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (0.63)         ND (0.56)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (0.63)         ND (0.56)	May 10	H-3	700	750
*Discharged on May 9 <sup>th</sup> *Discharged on May 9 <sup>th</sup> Gross β  H-3  710  770  *Discharged on May 8 <sup>th</sup> *Discharged on May 8 <sup>th</sup> *Discharged on May 8 <sup>th</sup> May 2 <sup>nd</sup> , 2019  *Discharged on May 7 <sup>th</sup> April 27 <sup>th</sup> , 2019  *Discharged on May 2 <sup>nd</sup> *Discharged on May 7 <sup>th</sup> Cs-134  Cs-137  ND (0.68)  ND (0.69)  ND (0.59)  ND (0.59)  ND (0.59)  ND (0.64)  ND (0.53)  ND (0.64)  ND (0.62)  April 27 <sup>th</sup> , 2019  *Discharged on May 2 <sup>nd</sup> Cs-137  ND (0.62)  ND (0.62)  ND (0.56)  ND (0.51)		Cs-134	ND (0.81)	ND (0.59)
May 9 <sup>th</sup> H-3         710         770           May 3 <sup>rd</sup> , 2019         Cs-134         ND (0.71)         ND (0.62)           *Discharged on May 8 <sup>th</sup> Gross β         ND (2.5)         ND (0.34)           H-3         700         770           Cs-134         ND (0.59)         ND (0.47)           May 2 <sup>nd</sup> , 2019         Cs-134         ND (0.53)         ND (0.64)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.66)         ND (0.32)           April 27 <sup>th</sup> , 2019         Cs-134         ND (0.62)         ND (0.62)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (0.63)         ND (0.56)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (2.4)         ND (0.31)	May 4 <sup>m</sup> , 2019	Cs-137	ND (0.68)	ND (0.71)
H-3		Gross β	ND (2.1)	ND (0.31)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Way 9	H-3	710	770
*Discharged on May 8 <sup>th</sup> Gross β  H-3  Cs-134  ND (0.00)  ND (0.34)  H-3  700  770  Cs-134  ND (0.59)  ND (0.47)  ND (0.47)  ND (0.59)  ND (0.47)  ND (0.64)  ND (0.64)  ND (0.66)  ND (0.32)  H-3  700  750  Cs-134  ND (0.62)  ND (0.62)  April 27 <sup>th</sup> , 2019  *Discharged on May 2 <sup>nd</sup> Cs-137  ND (0.63)  ND (0.65)  ND (0.56)  ND (0.56)	• • • • • • • • • • • • • • • • • • • •	Cs-134	ND (0.71)	ND (0.62)
May 8 <sup>th</sup> H-3         700         770           May 2 <sup>nd</sup> , 2019         Cs-134         ND (0.59)         ND (0.47)           *Discharged on May 7 <sup>th</sup> Gross β         ND (0.66)         ND (0.64)           H-3         700         750           April 27 <sup>th</sup> , 2019         Cs-134         ND (0.62)         ND (0.62)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (0.63)         ND (0.56)           *Discharged on May 2 <sup>nd</sup> Gross β         ND (2.4)         ND (0.31)	May 3 <sup>ra</sup> , 2019	Cs-137	ND (0.68)	ND (0.69)
H-3   700   770		Gross β	ND (2.5)	ND (0.34)
	iviay o	H-3	700	770
*Discharged on May 7 <sup>th</sup> Gross β  H-3  Cs-137  ND (0.33)  ND (0.04)  ND (0.32)  H-3  700  750  Cs-134  ND (0.62)  ND (0.62)  ND (0.62)  ND (0.62)  ND (0.65)  *Discharged on May 2 <sup>nd</sup> Gross β  ND (0.4)  ND (0.31)	• • • • • • • • • • • • • • • • • • • •	Cs-134	ND (0.59)	ND (0.47)
May 7 <sup>th</sup> H-3  700  750  Cs-134  ND (0.62)  ND (0.62)  ND (0.56)  *Discharged on May 2 <sup>nd</sup> Gross β  ND (2.4)  ND (0.31)	May 2 <sup>nd</sup> , 2019	Cs-137	ND (0.53)	ND (0.64)
H-3 700 750  Cs-134 ND (0.62) ND (0.62)  April 27 <sup>th</sup> , 2019  *Discharged on May 2 <sup>nd</sup> Gross β ND (2.4) ND (0.31)	*Discharged on	Gross β	ND (0.66)	ND (0.32)
April 27 <sup>th</sup> , 2019       Cs-137       ND (0.63)       ND (0.56)         *Discharged on May 2 <sup>nd</sup> Gross β       ND (2.4)       ND (0.31)	iviay i	H-3	700	750
*Discharged on May 2 <sup>nd</sup> Gross β ND (2.4) ND (0.31)	A 11.07th 00.45	Cs-134	ND (0.62)	ND (0.62)
May 2 <sup>nd</sup>	Aprıl 27 <sup>™</sup> , 2019	Cs-137	ND (0.63)	ND (0.56)
H-3 750 800		Gross β	ND (2.4)	ND (0.31)
	IVIQ 2	H-3	750	800

<sup>\* \*</sup> ND: represents a value below the detection limit; values in ( ) represent the detection limit.

<sup>\*</sup> In order to ensure the results, third-party organizations have also conducted an analysis and verified the radiation level of the sampled water.

<sup>\*</sup> Third-party organization : Tohoku Ryokka Kankyohozen Co., Ltd

Result of detailed analyses conducted by TEPCO, JAEA, and Japan Chemical Analysis Center (In order to confirm the validity of analysis, the Government of Japan also requests JAEA; and TEPCO requests Japan Chemical Analysis Center to conduct independent analyses)

	Detected nuclides	Analytical body		
Date of sampling		JAEA	TEPCO	Japan Chemical Analysis Center
April 3 <sup>rd</sup> ,2019	Cs-134	0.0030	ND (0.0047)	ND (0.0066)
	Cs-137	0.026	0.032	0.029
	Gross α	ND (0.63)	ND (3.1)	ND (2.0)
	Gross β	ND (0.46)	ND (0.68)	ND (0.55)
	H-3	930	790	850
	Sr-90	ND (0.0013)	ND (0.0013)	ND (0.0053)

<sup>\*</sup> ND: represents a value below the detection limit; values in ( ) represent the detection limit.

Results of analysis on the seawater sampled near the discharge point (North side of Units 5 and 6 discharge channel)

(Unit: Bq/L)

Date of sampling	Detected nuclides	Sampling point (South discharge channel)
March 15 <sup>th</sup> , 2019	Cs-134	ND (0.61)
*Commission before	Cs-137	ND (0.72)
*Sampled before discharge of purified	Gross β	11
groundwater.	H-3	ND (1.6)

## (Reference)

Radionuclides	Operational Targets	Density Limit specified by the Reactor Regulation	World Health Organization (WHO) Guidelines for Drinking Water Quality
Cs-134	1	60	10
Cs-137	1	90	10
Gross α	_	_	_
Gross β	3 (1) *	_	
H-3	1,500	60,000	10,000
Sr-90	_	30	10

X The operational target of Gross  $\beta$  is 1 Bq/L in the survey which is conducted once every ten days.

Results of analyses on the water quality of the groundwater pumped up for bypassing at Fukushima Daiichi NPS (made available by TEPCO prior to discharge)

			(Offic. Dq/
Date of sampling		Analytical body	
*Date of discharge	Detected nuclides	TEPCO	Japan Chemical Analysis Center
	Cs-134	ND (0.74)	ND (0.52)
May 30 <sup>th</sup> , 2019	Cs-137	ND (0.71)	ND (0.53)
*Discharged on May 21 <sup>st</sup>	Gross β	ND (0.83)	ND (0.51)
iviay 21st	H-3	110	110
	Cs-134	ND (0.62)	ND (0.54)
May 23 <sup>rd</sup> , 2019	Cs-137	ND (0.69)	ND (0.44)
*Discharged on May 14 <sup>th</sup>	Gross β	ND (0.63)	ND (0.52)
	H-3	110	120
	Cs-134	ND (0.58)	ND (0.59)
May 16 <sup>th</sup> , 2019	Cs-137	ND (0.63)	ND (0.50)
*Discharged on	Gross β	ND (0.69)	ND (0.52)
May 7 <sup>th</sup>	H-3	110	110
	Cs-134	ND (0.66)	ND (0.59)
April 30 <sup>th</sup> , 2019	Cs-137	ND (0.53)	ND (0.54)
*Discharged on May 10 <sup>th</sup>	Gross β	ND (0.66)	ND (0.57)
	H-3	120	120

<sup>\* \*</sup> ND: represents a value below the detection limit; values in ( ) represent the detection limit

<sup>\*</sup> In order to ensure the results, Japan Chemical Analysis Center, a third-party organization, has also conducted an analysis and verified the radiation level of the sampled water.

Result of detailed analyses conducted by TEPCO, JAEA, and Japan Chemical Analysis Center (In order to confirm the validity of analysis, the Government of Japan also requests JAEA; and TEPCO requests Japan Chemical Analysis Center to conduct independent analyses)

		Analytical body		
Date of sampling	Detected nuclides	JAEA	TEPCO	Japan Chemical Analysis Center
April 4 <sup>th</sup> , 2019	Cs-134	ND (0.0034)	ND (0.0049)	ND (0.0058)
	Cs-137	ND (0.0023)	ND (0.0043)	ND (0.0048)
	Gross α	ND (0.70)	ND (3.1)	ND (2.0)
	Gross β	ND (0.46)	ND (0.68)	ND (0.57)
	H-3	120	110	120
	Sr-90	ND (0.0017)	ND (0.0015)	ND (0.0052)

 $<sup>^{\</sup>star}$  ND: represents a value below the detection limit; values in ( ) represent the detection limit.

Results of analyses on the seawater sampled near the discharge point (Around South Discharge Channel)

(Unit: Bq/L)

Date of sampling	Detected nuclides	Sampling point (South discharge channel)
	Cs-134	ND (0.63)
March 15 <sup>th</sup> , 2019	Cs-137	ND (0.46)
	Gross β	10
	H-3	7.7

(Reference) (Unit: Bq/L)

Radionuclides	Operational Targets	Density Limit specified by the Reactor Regulation	World Health Organization (WHO) Guidelines for Drinking Water Quality
Cs-134	1	60	10
Cs-137	1	90	10
Gross α	_	_	_
Gross β	5 (1) *	_	_
H-3	1,500	60,000	10,000
Sr-90	_	30	10

 $<sup>\</sup>fint M$  The operational target of Gross  $\fint \beta$  is 1 Bq/L in the survey which is conducted once every ten days.