

## Result of the sampling regarding the water leakage in the transfer line from the water desalinations (reverse osmosis membrane) to the concentrated water storage tanks in Fukushima Daiichi Nuclear Power Station

### 1. Sampling results of the leaked water (C area accumulated water)

【 Sampling Point 】 Leaked water (C area accumulated water)

【 Sampling Date and Time 】 At 3:50 on April 5, 2012

【 Results 】

Red framed part is the updated information from previous (April 5 AM ) press release

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$4.5 \times 10^{-1}$	About 8 days
Cs-134	$6.9 \times 10^0$	$6.5 \times 10^{-1}$	About 2 years
Cs-137	$9.8 \times 10^0$	$3.5 \times 10^{-1}$	About 30 years
Sb-125	$8.6 \times 10^1$	$1.3 \times 10^0$	About 3 years
All	$1.3 \times 10^5$	$2.1 \times 10^2$	-

This shows only detected nuclides.

## 2. Sampling results of downstream of drain

【 Sampling Point 】 Downstream of drain

【 Sampling Date and Time 】 At 4:10 on April 5, 2012

【 Results 】

Red framed part is the updated information from previous (April 5 AM ) press release

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$1.0 \times 10^{-1}$	About 8 days
Cs-134	$1.3 \times 10^0$	$1.5 \times 10^{-1}$	About 2 years
Cs-137	$1.9 \times 10^0$	$8.5 \times 10^{-2}$	About 30 years
Sb-125	$2.5 \times 10^1$	$3.2 \times 10^{-1}$	About 3 years
All	$3.3 \times 10^4$	$4.2 \times 10^1$	-

This shows only detected nuclides.

### 3. Sampling results of downstream dam of drain

【 Sampling Point 】 Downstream dam of drain

【 Sampling Date and Time 】 At 4:30 on April 5, 2012

【 Results 】

Red framed part is the updated information from previous (April 5 AM ) press release

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$4.8 \times 10^{-2}$	About 8 days
Cs-134	$2.7 \times 10^{-1}$	$7.5 \times 10^{-2}$	About 2 years
Cs-137	$3.6 \times 10^{-1}$	$4.8 \times 10^{-2}$	About 30 years
Sb-125	$4.7 \times 10^0$	$1.3 \times 10^{-1}$	About 3 years
All	$5.6 \times 10^3$	$2.2 \times 10^1$	-

This shows only detected nuclides.

#### 4. Sampling results of downstream dam of drain

【 Sampling Point 】 Downstream dam of drain

【 Sampling Date and Time 】 At 4:40 on April 5, 2012

【 Results 】

Red framed part is the updated information from previous (April 5 AM ) press release

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$1.8 \times 10^{-2}$	About 8 days
Cs-134	$6.0 \times 10^{-2}$	$3.0 \times 10^{-2}$	About 2 years
Cs-137	$5.6 \times 10^{-2}$	$3.5 \times 10^{-2}$	About 30 years
Sb-125	Below Limit of Detection	$4.4 \times 10^{-2}$	About 3 years
All	$2.6 \times 10^1$	$2.2 \times 10^{-1}$	-

This shows only detected nuclides.

## 5. Sampling results of 3km offshore of Ukedo-gawa river

【 Sampling Point 】 3 km offshore of Ukedo-gawa river

【 Sampling Date and Time 】 At 14:30 on April 5, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$6.8 \times 10^{-4}$	About 8 days
Cs-134	Below Limit of Detection	$8.3 \times 10^{-4}$	About 2 years
Cs-137	Below Limit of Detection	$8.7 \times 10^{-4}$	About 30 years
Sb-125	Below Limit of Detection	$1.7 \times 10^{-3}$	About 3 years
All	Below Limit of Detection	$2.1 \times 10^{-2}$	-

This shows only detected nuclides.

## 6. Sampling results of 3km offshore of Fukushima Daiichi NPS

【 Sampling Point 】 3 km offshore of Fukushima Daiichi

【 Sampling Date and Time 】 At 14:10 on April 5, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$6 . 0 \times 1 0^{-4}$	About 8 days
Cs-134	Below Limit of Detection	$9 . 1 \times 1 0^{-4}$	About 2 years
Cs-137	Below Limit of Detection	$1 . 0 \times 1 0^{-3}$	About 30 years
Sb-125	Below Limit of Detection	$1 . 8 \times 1 0^{-3}$	About 3 years
All	Below Limit of Detection	$2 . 1 \times 1 0^{-2}$	-

This shows only detected nuclides.

## 7. Sampling results of 3km offshore of Fukushima Daini NPS

【 Sampling Point 】 3 km offshore of Fukushima Daini

【 Sampling Date and Time 】 At 13:50 on April 5, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$6.8 \times 10^{-4}$	About 8 days
Cs-134	Below Limit of Detection	$8.1 \times 10^{-4}$	About 2 years
Cs-137	Below Limit of Detection	$1.0 \times 10^{-3}$	About 30 years
Sb-125	Below Limit of Detection	$1.7 \times 10^{-3}$	About 3 years
All	Below Limit of Detection	$2.1 \times 10^{-2}$	-

This shows only detected nuclides.

## 8. Sampling results on nearby south side of discharge canal of Unit 1- 4

【 Sampling Point 】 Nearby south side of water exit of Unit 1- 4

【 Sampling Date and Time 】 At 16:20 on April 5, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$5.5 \times 10^{-4}$	About 8 days
Cs-134	Below Limit of Detection	$1.3 \times 10^{-3}$	About 2 years
Cs-137	Below Limit of Detection	$1.6 \times 10^{-3}$	About 30 years
Sb-125	Below Limit of Detection	$1.5 \times 10^{-3}$	About 3 years
All	$2.4 \times 10^{-2}$	$1.8 \times 10^{-2}$	-

This shows only detected nuclides.



## 9. Sampling results on nearby south side of discharge canal of Unit 1- 4

【 Sampling Point 】 Nearby south side of water exit of Unit 1- 4

【 Sampling Date and Time 】 At 8:25 on April 6, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material ( Bq/cm <sup>3</sup> )	Limit of Detection ( Bq/cm <sup>3</sup> )	Half-life Period
I-131	Below Limit of Detection	$5.6 \times 10^{-4}$	About 8 days
Cs-134	Below Limit of Detection	$1.8 \times 10^{-3}$	About 2 years
Cs-137	Below Limit of Detection	$2.1 \times 10^{-3}$	About 30 years
Sb-125	Below Limit of Detection	$1.4 \times 10^{-3}$	About 3 years
All	Below Limit of Detection	$1.8 \times 10^{-2}$	-

This shows only detected nuclides.