

Result of the sampling regarding the water leakage in the area of the concentrated water storage tanks of water desalinations (reverse osmosis membrane) in Fukushima Daiichi Nuclear Power Station (nuclide)

1 . Sampling Results on the Leaked Water (a pool of water in the Area C)

【Sampling Point】 Leaked Water (a pool of water in the Area C)

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

【Results】

Nuclide	Concentration of Radioactive Material (Bq/cm ³)	Limit of Detection (Bq/cm ³)	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

This shows only detected nuclides

2 . Sampling Results on the downstream of drain

【 Sampling Point 】 Downstream of drain

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

【 Results 】

Nuclide	Concentration of Radioactive Material (Bq/cm ³)	Limit of Detection (Bq/cm ³)	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

This shows only detected nuclides

3 . Sampling Results on the downstream of drain dam

【 Sampling Point 】 Downstream of drain dam

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

【 Results 】

Nuclide	Concentration of Radioactive Material (Bq/cm ³)	Limit of Detection (Bq/cm ³)	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

This shows only detected nuclides

4 . Sampling Results on the downstream of drain dam

【 Sampling Point 】 Downstream of drain dam

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

【 Results 】

Nuclide	Concentration of Radioactive Material (Bq/cm ³)	Limit of Detection (Bq/cm ³)	Half-life Period
I-131	Below Limit of Detection	1.8×10^{-2}	About 8 days
Cs-134	6.0×10^{-2}	3.0×10^{-2}	About 2 years
Cs-137	5.6×10^{-2}	3.5×10^{-2}	About 30 years
Sb-125	Below Limit of Detection	4.4×10^{-2}	About 3 years

This shows only detected nuclides

5 . Sampling Results on nearby south side of water exit of Unit 1 - 4

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

【 Sampling Date and Time 】 At 6:15 on April 5, 2012

【 Results 】

Nuclide	Concentration of Radioactive Material (Bq/cm ³)	Limit of Detection (Bq/cm ³)	Half-life Period
I-131	Below Limit of Detection	$5 . 3 \times 10^{-4}$	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	$1 . 6 \times 10^{-3}$	About 3 years

This shows only detected nuclides

Sampling placeregarding the water leakage at transfer piping between water desalinations (reverse osmosis membrane) and concentrated water storage tank in Fukushima Daiichi Nuclear Power Station

● Sampling place on April 5

Everyday nearby south side of water exit of Unit 1- 4 is sampled

