Underground Reservoir Nuclide Analysis Results

Results<Reference>April 10, 2013Tokyo Electric Power Company

[Sampled place]Underground Reservoir iDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

Chloride concentration	12ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.9 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

[Sampled place]Underground Reservoir iDrain hole water, southwest side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

Chloride concentration	7ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.8 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.1 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir iiDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

15ppm

concentration			
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.0 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.1 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.6 × 10 ⁻²	Approx. 30 years
All	6.2 × 10 ¹	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

[Sampled place] Underground Reservoir ii Drain hole water, southwest side [Sampled date and time] At 6:30 AM on April 9 (Tue), 2013 [Analysis results]

Chloride	Znom
concentration	7ppm

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.6 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	4.9 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.5 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir iiiDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

6ppm

concentration	орріп		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.8 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.5 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	4.2 × 10 ⁻²	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

[Sampled place]Underground Reservoir iiiDrain hole water, southwest side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

Chloride	1000
concentration	4ppm

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.6 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.3 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	7.7 × 10 ⁻²	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir ivDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

10ppm

concentration			
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.4 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.3 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	6.7 × 10 ⁻²	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

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[Sampled place]Underground Reservoir ivDrain hole water, southwest side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

Chloride	Zoom
concentration	7 ррпп

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.5 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.1 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.7 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir vDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

6ppm

concentration			
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.2 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	3.1 × 10 ⁻¹	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

opportration

[Sampled place] Underground Reservoir v Drain hole water, southwest side [Sampled date and time] At 6:30 AM on April 9 (Tue), 2013 [Analysis results]

Chloride	Zoom
concentration	7ppm

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.5 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	4.8 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.5 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir viDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

9ppm

concentration	оррии		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.5 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.5 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

[Sampled place] Underground Reservoir vi Drain hole water, southwest side [Sampled date and time] At 6:30 AM on April 9 (Tue), 2013 [Analysis results]

Chloride	500m
concentration	5ppm

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.6 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.2 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	4.4 × 10 ⁻²	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir viiDrain hole water, northeast side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

7ppm

concentration			
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.2 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	4.9 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.6 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

opportration

[Sampled place]Underground Reservoir viiDrain hole water, southwest side[Sampled date and time]At 6:30 AM on April 9 (Tue), 2013[Analysis results]

Chloride	Znom
concentration	7ppm

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.7 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	4.9 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	N.D	3.2 × 10 ⁻²	-

[Sampled place]Underground Reservoir i Leakage detector hole water, northeast side[Sampled date and time]At 8:35 AM on April 9 (Tue), 2013[Analysis results]

Chloride	910ppm
concentration	эторрії

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	1.3 × 10 ⁻¹	Approx. 8 days
Cs-134	N.D	1.8 × 10 ⁻¹	Approx. 2 years
Cs-137	N.D	9.7 × 10 ⁻²	Approx. 30 years
All	1.0 × 10 ⁴	3.1×10^{0}	-

All radioactive concentration: 1.9×10^{1} (Bq/cm³)

(Breakdown) Sb-125: 1.8 × 10¹ (Bq/cm³), Ru-106: 1.2 × 10⁰ (Bq/cm³)

[Sampled place] Underground Reservoir i Leakage detector hole water, southwest side [Sampled date and time] At 8:30 AM on April 9 (Tue), 2013 [Analysis results]

Chloride	8ppm
concentration	оррпі

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.8 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	5.3 × 10 ⁻²	3.1 × 10 ⁻²	-

[Sampled place]Underground Reservoir ii Leakage detector hole water, northeast side[Sampled date and time]At 8:15 AM on April 9 (Tue), 2013[Analysis results]Image: Complex com

concentration	Saobbin		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	8.4 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	6.8 × 10 ⁻²	Approx. 2 years
Cs-137	1.4 × 10 ⁻¹	8.1 × 10 ⁻²	Approx. 30 years
All	5.4 × 10 ³	3.1 × 10 ⁰	-

All radioactive concentration: 1.4×10^{-1} (Bq/cm³)

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[Sampled place]Underground Reservoir ii Leakage detector hole water, southwest side[Sampled date and time]At 8:20 AM on April 9 (Tue), 2013[Analysis results]

Chloride	12ppm	
concentration	τερριτ	

Chloride

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.0 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.4 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	2.3 × 10 ⁰	3.1 × 10 ⁻²	-

[Sampled place]Underground Reservoir iii Leakage detector hole water, northeast side[Sampled date and time]At 8:55 AM on April 9 (Tue), 2013[Analysis results]Image: Control of the second se

concentration	5ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.3 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.7 × 10 ⁻²	Approx. 30 years
All	4.9 × 10 ⁻²	3.1 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

[Sampled place]Underground Reservoir iii Leakage detector hole water, southwest side[Sampled date and time]At 8:50 AM on April 9 (Tue), 2013[Analysis results]Image: Comparison of the second second

Chloride	430ppm
concentration	4500011

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	5.9 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	6.6 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	7.9 × 10 ⁻²	Approx. 30 years
All	1.6 × 10 ³	3.1 × 10 ⁰	-

[Sampled place]Underground Reservoir iv Leakage detector hole water, northeast side[Sampled date and time]At 9:00 AM on April 9 (Tue), 2013[Analysis results]Image: Construction of the second secon

Chloride concentration	12ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.7 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.2 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.6 × 10 ⁻²	Approx. 30 years
All	2.0 × 10 ⁻¹	3.1 × 10 ⁻²	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir iv Leakage detector hole water, southwest side [Analysis results]

*Sampling was not performed since the amount of the water necessary for sampling could not be obtained.

[Sampled place]Underground Reservoir vi Leakage detector hole water, northeast side[Sampled date and time]At 9:15 AM on April 9 (Tue), 2013[Analysis results]Image: Construction of the second secon

Chloride concentration	9ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.0 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.2 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	5.9 × 10 ⁻²	3.1 × 10 ⁻²	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir vi Leakage detector hole water, southwest side [Analysis results]

*Sampling was not performed since the amount of the water necessary for sampling could not be obtained.

[Sampled place]Underground Reservoir iDrain hole water, northeast side[Sampled date and time]At 5:40 PM on April 9 (Tue), 2013[Analysis results]

7ppm

concentration			
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.7 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.5 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.8 × 10 ⁻²	Approx. 30 years
All	1.1 × 10 ⁻¹	3.1 × 10 ⁻²	-

All radioactive concentration: N.D

Chloride

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[Sampled place] Underground Reservoir i Drain hole water, southwest side [Sampled date and time] At 5:40 PM on April 9 (Tue), 2013 [Analysis results]

Chloride	14000	
concentration	14ppm	

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.1 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.4 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	6.1 × 10 ⁻²	3.1 × 10 ⁻²	-

[Sampled place]Underground Reservoir iDrain hole water, northeast side[Sampled date and time]At 1:40 PM on April 9 (Tue), 2013[Analysis results]

Chloride 1100ppm

Nuclide Radioactive concentration (Bq/cm³) Detection limit (Bq/cm³) Half-life period 1.3×10^{-1} I-131 N.D Approx. 8 days Cs-134 N.D 1.8×10^{-1} Approx. 2 years 8.6×10^{-2} Cs-137 N.D Approx. 30 years All 1.5×10^{4} 3.1×10^{0}

All radioactive concentration: 2.3×10^{1} (Bq/cm³)

(Breakdown) Sb-125: 2.1 × 10¹ (Bq/cm³), Ru-106: 1.5 × 10⁰ (Bq/cm³)

[Sampled place]Underground Reservoir iDrain hole water, southwest side[Sampled date and time]At 1:20 PM on April 9 (Tue), 2013

[Analysis results]

Chloride	900m
concentration	эррш

Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	2.8 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.0 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	6.8 × 10 ⁻²	3.1 × 10 ⁻²	-

[Sampled place]Underground Reservoir iDrain hole water, northeast side[Sampled date and time]At 2:01 PM on April 8 (Mon), 2013[Analysis results]

Chloride concentration	8ppm		
Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.0 × 10 ⁻²	Approx. 8 days
Cs-134	N.D	5.4 × 10 ⁻²	Approx. 2 years
Cs-137	N.D	6.9 × 10 ⁻²	Approx. 30 years
All	4.7 × 10 ⁻²	3.1 × 10 ⁻²	-