

Underground Reservoir Nuclide Analysis Results

<Reference>

April 12, 2013

Tokyo Electric Power Company

[Sampled place] Underground Reservoir i Drain hole water, northeast side

[Sampled date and time] At 9:50 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	14ppm
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Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.3×10^{-2}	Approx. 8 days
Cs-134	N.D	4.9×10^{-2}	Approx. 2 years
Cs-137	N.D	7.0×10^{-2}	Approx. 30 years
All	5.1×10^{-1}	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir i Drain hole water, southwest side

[Sampled date and time] At 9:50 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	7ppm
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Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	3.6×10^{-2}	Approx. 8 days
Cs-134	N.D	5.4×10^{-2}	Approx. 2 years
Cs-137	N.D	7.0×10^{-2}	Approx. 30 years
All	N.D	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir ii Drain hole water, northeast side

[Sampled date and time] At 6:00 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	13ppm
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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	7.0×10^{-2}	Approx. 30 years
All	4.3×10^1	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir ii Drain hole water, southwest side

[Sampled date and time] At 6:00 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	7ppm
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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	5.0×10^{-2}	Approx. 2 years
Cs-137	N.D	6.5×10^{-2}	Approx. 30 years
All	N.D	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir iii Drain hole water, northeast side

[Sampled date and time] At 6:10 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	6ppm
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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	5.1×10^{-2}	Approx. 2 years
Cs-137	N.D	6.9×10^{-2}	Approx. 30 years
All	9.0×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir iii Drain hole water, southwest side

[Sampled date and time] At 6:10 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	5ppm
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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	5.3×10^{-2}	Approx. 2 years
Cs-137	N.D	6.9×10^{-2}	Approx. 30 years
All	6.5×10^{-1}	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir iv Drain hole water, northeast side

[Sampled date and time] At 6:20 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	10ppm
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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	5.3×10^{-2}	Approx. 2 years
Cs-137	N.D	6.9×10^{-2}	Approx. 30 years
All	5.8×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir iv Drain hole water, southwest side

[Sampled date and time] At 6:20 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	8ppm
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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	5.8×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir v Drain hole water, northeast side

[Sampled date and time] At 6:40 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	8ppm
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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	5.6×10^{-2}	Approx. 2 years
Cs-137	N.D	6.8×10^{-2}	Approx. 30 years
All	7.2×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir v Drain hole water, southwest side

[Sampled date and time] At 6:40 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	7ppm
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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	4.9×10^{-2}	Approx. 2 years
Cs-137	N.D	6.7×10^{-2}	Approx. 30 years
All	5.8×10^{-1}	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir vi Drain hole water, northeast side

[Sampled date and time] At 6:50 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	12ppm
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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	5.7×10^{-2}	Approx. 2 years
Cs-137	N.D	7.2×10^{-2}	Approx. 30 years
All	N.D	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir vi Drain hole water, southwest side

[Sampled date and time] At 6:50 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	7ppm
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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	4.8×10^{-2}	Approx. 2 years
Cs-137	N.D	6.5×10^{-2}	Approx. 30 years
All	5.4×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir vii Drain hole water, northeast side

[Sampled date and time] At 6:30 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	6ppm
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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	6.9×10^{-2}	Approx. 30 years
All	4.4×10^{-2}	3.3×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir vii Drain hole water, southwest side

[Sampled date and time] At 6:30 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	9ppm
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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	5.2×10^{-2}	Approx. 2 years
Cs-137	N.D	6.7×10^{-2}	Approx. 30 years
All	N.D	3.3×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir i Leakage detector hole water, northeast side

[Sampled date and time] At 9:10 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	1000ppm
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Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	1.9×10^{-1}	Approx. 8 days
Cs-134	N.D	2.5×10^{-1}	Approx. 2 years
Cs-137	N.D	1.4×10^{-1}	Approx. 30 years
All	2.5×10^4	3.5×10^0	-

All radioactive concentration: 2.7×10^1 (Bq/cm³)

(Breakdown) Sb-125: 2.6×10^1 (Bq/cm³), Ru-106: 1.2×10^0 (Bq/cm³)

[Sampled place] Underground Reservoir i Leakage detector hole water, southwest side

[Sampled date and time] At 9:40 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	8ppm
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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	5.1×10^{-2}	Approx. 2 years
Cs-137	N.D	7.0×10^{-2}	Approx. 30 years
All	6.3×10^{-2}	3.5×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir ii Leakage detector hole water, northeast side

[Sampled date and time] At 10:15 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	400ppm
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Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	9.1×10^{-2}	Approx. 8 days
Cs-134	N.D	8.6×10^{-2}	Approx. 2 years
Cs-137	1.4×10^{-1}	8.8×10^{-2}	Approx. 30 years
All	5.8×10^3	3.5×10^0	-

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

[Sampled place] Underground Reservoir ii Leakage detector hole water, southwest side

[Sampled date and time] At 9:50 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	10ppm
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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	5.6×10^{-2}	Approx. 2 years
Cs-137	N.D	6.9×10^{-2}	Approx. 30 years
All	1.2×10^0	3.5×10^{-2}	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir iii Leakage detector hole water, northeast side

[Sampled date and time] At 10:45 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	8ppm
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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	N.D	3.5×10^{-2}	-

All radioactive concentration: N.D

[Sampled place] Underground Reservoir iii Leakage detector hole water, southwest side

[Sampled date and time] At 10:25 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	270ppm
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Nuclide	Radioactive concentration (Bq/cm ³)	Detection limit (Bq/cm ³)	Half-life period
I-131	N.D	6.0×10^{-2}	Approx. 8 days
Cs-134	N.D	6.5×10^{-2}	Approx. 2 years
Cs-137	N.D	7.7×10^{-2}	Approx. 30 years
All	1.2×10^3	3.5×10^0	-

All radioactive concentration: N.D

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir iv Leakage detector hole water, northeast side

[Sampled date and time] At 10:55 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	11ppm
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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	5.1×10^{-2}	Approx. 2 years
Cs-137	N.D	6.9×10^{-2}	Approx. 30 years
All	N.D	3.5×10^{-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.

Underground Reservoir Nuclide Analysis Results

[Sampled place] Underground Reservoir vi Leakage detector hole water, northeast side

[Sampled date and time] At 11:10 AM on April 11 (Thu), 2013

[Analysis results]

Chloride concentration	7ppm
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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	5.4×10^{-2}	Approx. 2 years
Cs-137	N.D	6.5×10^{-2}	Approx. 30 years
All	N.D	3.5×10^{-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.