

【 Definite Report 】 Fukushima Daiichi Results of nuclide analysis of accumulated water in the Process Main Building of Centralized Radiation Waste Treatment Facility

Place of sampling	South East of Turbine Building of Unit 4/ 1F	North East of Process Main Building / 1F	South East of Process Main Building / 1F	South West of Process Main Building / 1F	South of Miscellaneous Solid Waste Volume Reduction Treatment Building / 1F
Date of sampling	Sample not collected	At 14:05 April 16, 2011	Sample not collected	At 13:55 April 16, 2011	At 14:20 April 16, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)		ND		ND	3.6E-01
Te-129m (about 34 days)		ND		ND	3.6E-01
I-131 (about 8 days)		1.3E-01		9.1E-02	5.0E-01
Cs-134 (about 2 years)		ND		3.7E-02	4.5E-01
Cs-136 (about 13 days)		ND		ND	2.2E-02
Cs-137 (about 30 years)		ND		3.3E-02	4.5E-01

. E - means . × 1 0 - .

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Date of sampling	At 11:37 April 17, 2011	At 11:50 April 17, 2011	Sample not collected	Sample not collected	At 12:15 April 17, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)	ND	ND			ND
Te-129m (about 34 days)	ND	ND			ND
I-131 (about 8 days)	8.3E-01	1.1E-01			3.5E-01
Cs-134 (about 2 years)	8.3E-02	4.8E-02			3.0E-01
Cs-136 (about 13 days)	ND	ND			1.3E-02
Cs-137 (about 30 years)	1.1E-01	4.2E-02			3.2E-01

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Date of sampling	At 11:53 April 18, 2011	At 12:13 April 18, 2011	Sample not collected	At 12:26 April 18, 2011	At 12:45 April 18, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)	ND	ND		ND	ND
Te-129m (about 34 days)	ND	ND		ND	4.5E-01
I-131 (about 8 days)	5.4E-01	1.1E-01		1.2E-01	4.2E-01
Cs-134 (about 2 years)	7.6E-02	3.3E-02		1.6E-02	1.9E-01
Cs-136 (about 13 days)	ND	ND		ND	ND
Cs-137 (about 30 years)	9.3E-02	3.1E-02		1.3E-02	2.1E-01

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Place of sampling	South East of Turbine Building of Unit 4/ 1F	North East of Process Main Building / 1F	South East of Process Main Building / 1F	South West of Process Main Building / 1F	South of Miscellaneous Solid Waste Volume Reduction Treatment Building / 1F
Date of sampling	At 12:10 April 19, 2011	At 12:00 April 19, 2011	At 12:53 April 19, 2011	Sample not collected	At 12:47 April 19, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)	ND	ND	ND		ND
Te-129m (about 34 days)	ND	ND	ND		ND
I-131 (about 8 days)	3.2E-01	8.7E-02	3.8E-02		3.4E-01
Cs-134 (about 2 years)	9.7E-02	4.6E-02	7.1E-03		7.3E-02
Cs-136 (about 13 days)	ND	ND	ND		ND
Cs-137 (about 30 years)	9.5E-02	3.7E-02	ND		7.9E-02

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Date of sampling	At 12:14 April 20, 2011	At 12:05 April 20, 2011	At 12:32 April 20, 2011	Sample not collected	At 12:37 April 20, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)	ND	ND	ND		ND
Te-129m (about 34 days)	ND	ND	ND		ND
I-131 (about 8 days)	1.5E-01	1.1E-01	5.3E-02		3.3E-01
Cs-134 (about 2 years)	9.6E-02	7.1E-02	1.2E-02		9.2E-02
Cs-136 (about 13 days)	ND	ND	ND		4.1E-03
Cs-137 (about 30 years)	9.5E-02	7.2E-02	1.6E-02		8.0E-02

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Date of sampling	At 11:57 April 21, 2011	At 11:45 April 21, 2011	At 12:03 April 21, 2011	Sample not collected	At 12:11 April 21, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm3)				
Te-129 (about 70 minutes)	ND	ND	ND		ND
Te-129m (about 34 days)	ND	ND	ND		ND
I-131 (about 8 days)	2.1E+00	1.1E-01	6.0E-02		1.5E-01
Cs-134 (about 2 years)	4.8E-01	2.4E-02	4.7E-02		9.9E-02
Cs-136 (about 13 days)	9.8E-03	ND	ND		ND
Cs-137 (about 30 years)	5.1E-01	3.8E-02	4.3E-02		1.0E-01

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Date of sampling	Sample not collected	At 11:29 April 22, 2011	At 11:35 April 22, 2011	Sample not collected	At 11:43 April 22, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)		ND	ND		ND
Te-129m (about 34 days)		ND	ND		ND
I-131 (about 8 days)		1.1E-01	5.6E-02		6.9E-02
Cs-134 (about 2 years)		2.6E-02	ND		6.6E-02
Cs-136 (about 13 days)		ND	ND		ND
Cs-137 (about 30 years)		3.2E-02	2.3E-02		7.5E-02

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Date of sampling	At 11:38 April 23, 2011	At 11:45 April 23, 2011	At 11:50 April 23, 2011	Sample not collected	At 11:56 April 23, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm ³)				
Te-129 (about 70 minutes)	ND	ND	ND		ND
Te-129m (about 34 days)	ND	ND	ND		ND
I-131 (about 8 days)	2.1E-01	1.9E-01	5.1E-02		1.5E-01
Cs-134 (about 2 years)	2.2E-01	ND	2.3E-02		7.7E-02
Cs-136 (about 13 days)	5.9E-03	ND	ND		ND
Cs-137 (about 30 years)	2.4E-01	2.2E-02	ND		8.2E-02

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