

【 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	At 11:25 April 24, 2011	At 11:38 April 24, 2011	At 11:45 April 24, 2011	Exempt from sampling	At 12:05 April 24, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		3.6E-01
I-131 (about 8 days)	1.8E-01	1.6E-01	3.5E-02		7.8E-01
Cs-134 (about 2 years)	1.5E-01	2.5E-02	3.0E-02		1.5E-01
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	1.6E-01	1.9E-02	2.9E-02		1.5E-01

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Date of sampling	At 11:21 April 25, 2011	At 11:27 April 25, 2011	At 11:32 April 25, 2011	At 11:41 April 25, 2011	At 11:47 April 25, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
I-131 (about 8 days)	9.3E-02	2.1E-01	3.1E-02	4.5E-02	2.3E-01
Cs-134 (about 2 years)	1.2E-01	2.5E-02	Not Detectable	1.5E-02	5.4E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-137 (about 30 years)	1.3E-01	2.7E-02	1.4E-02	2.0E-02	5.5E-02

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Date of sampling	At 11:29 April 26, 2011	At 11:35 April 26, 2011	At 11:40 April 26, 2011	Exempt from sampling	At 11:45 April 26, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	7.4E-02	1.9E-01	2.8E-02		1.3E-01
Cs-134 (about 2 years)	1.2E-01	2.0E-02	Not Detectable		5.4E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	1.2E-01	2.3E-02	Not Detectable		4.9E-02

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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 11:56 April 27, 2011	At 12:03 April 27, 2011	At 12:08 April 27, 2011	Exempt from sampling	At 12:23 April 27, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	4.9E-02	1.8E-01	2.3E-02		1.2E-01
Cs-134 (about 2 years)	1.2E-01	2.2E-02	Not Detectable		7.0E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	1.3E-01	3.1E-02	2.2E-02		8.2E-02

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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 11:28 April 28, 2011	At 11:34 April 28, 2011	At 11:39 April 28, 2011	Exempt from sampling	At 11:52 April 28, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	6.0E-02	1.6E-01	2.7E-02		1.9E-01
Cs-134 (about 2 years)	2.1E-01	4.5E-02	3.5E-02		7.1E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	2.3E-01	3.3E-02	3.2E-02		6.7E-02

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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 11:43 April 29, 2011	At 11:49 April 29, 2011	At 11:55 April 29, 2011	At 12:10 April 29, 2011	At 12:16 April 29, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
I-131 (about 8 days)	3.2E-02	1.6E-01	2.2E-02	5.9E-02	8.3E-02
Cs-134 (about 2 years)	1.2E-01	3.1E-02	Not Detectable	Not Detectable	4.5E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-137 (about 30 years)	1.3E-01	2.2E-02	Not Detectable	Not Detectable	6.8E-02

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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 11:20 April 30, 2011	At 11:27 April 30, 2011	At 11:32 April 30, 2011	Exempt from sampling	At 11:39 April 30, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	2.5E-02	1.6E-01	2.1E-02		6.2E-02
Cs-134 (about 2 years)	1.5E-01	1.4E-02	1.8E-02		6.0E-02
Cs-136 (about 13 days)	6.0E-03	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	1.7E-01	1.4E-02	2.1E-02		4.2E-02

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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 11:23 May 1, 2011	At 11:28 May 1, 2011	At 11:33 May 1, 2011	Exempt from sampling	At 11:38 May 1, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	8.2E-03	1.2E-01	1.2E-02		5.1E-02
Cs-134 (about 2 years)	6.5E-02	Not Detectable	9.4E-03		6.2E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	7.8E-02	Not Detectable	8.0E-03		4.7E-02

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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 11:23 May 2, 2011	At 11:28 May 2, 2011	At 11:33 May 2, 2011	At 11:40 May 2, 2011	At 11:45 May 2, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
I-131 (about 8 days)	1.2E-02	9.5E-02	2.3E-02	5.6E-02	5.4E-02
Cs-134 (about 2 years)	1.0E-01	2.1E-02	2.8E-02	3.1E-02	8.2E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable	Not Detectable	Not Detectable
Cs-137 (about 30 years)	1.1E-01	2.8E-02	3.0E-02	3.5E-02	9.3E-02

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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 11:17 May 3, 2011	At 11:23 May 3, 2011	At 11:28 May 3, 2011	Exempt from sampling	At 11:34 May 3, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	1.8E-02	8.9E-02	1.7E-02		2.2E-02
Cs-134 (about 2 years)	1.4E-01	Not Detectable	Not Detectable		4.6E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	1.5E-01	2.1E-02	Not Detectable		5.0E-02

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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 11:14 May 4, 2011	At 11:21 May 4, 2011	At 11:26 May 4, 2011	Exempt from sampling	At 11:32 May 4, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	2.2E-02	9.8E-02	2.3E-02		1.9E-02
Cs-134 (about 2 years)	9.0E-02	Not Detectable	1.3E-02		4.3E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	9.2E-02	2.2E-02	1.0E-02		5.7E-02

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Date of sampling	At 11:32 May 5, 2011	At 11:37 May 5, 2011	At 11:41 May 5, 2011	Exempt from sampling	At 11:48 May 5, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	1.2E-02	9.0E-02	3.0E-02		1.8E-02
Cs-134 (about 2 years)	8.6E-02	Not Detectable	Not Detectable		4.4E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	9.9E-02	Not Detectable	Not Detectable		4.1E-02

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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 11:17 May 6, 2011	At 11:23 May 6, 2011	At 11:29 May 6, 2011	Exempt from sampling	At 11:37 May 6, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	1.6E-02	1.1E-01	2.8E-02		2.7E-02
Cs-134 (about 2 years)	6.2E-02	2.1E-01	Not Detectable		5.8E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	4.9E-02	2.3E-01	Not Detectable		6.3E-02

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Date of sampling	At 12:04 May 7, 2011	At 12:10 May 7, 2011	At 12:15 May 7, 2011	Exempt from sampling	At 12:21 May 7, 2011
Detected nuclide (half-life)	Density of sample (Bq/cm <sup>3</sup> )				
Te-129 (about 70 minutes)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Te-129m (about 34 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
I-131 (about 8 days)	Not Detectable	8.1E-02	1.6E-02		2.3E-02
Cs-134 (about 2 years)	4.1E-02	Not Detectable	Not Detectable		5.8E-02
Cs-136 (about 13 days)	Not Detectable	Not Detectable	Not Detectable		Not Detectable
Cs-137 (about 30 years)	2.5E-02	Not Detectable	Not Detectable		7.3E-02

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