

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <1/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 1 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Apr 15, 2013	Apr 15, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.9E-01	1.8E-01
Cs-137 (Approx. 30 years)	4.4E-01	3.8E-01
H-3 (approx. 12yrs)	5.1E-01	9.3E+01
Gross α	ND	ND
Gross β	8.0E-01	3.9E-01
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	1.5E-01	3.1E-03

* 0.0E±0 is the same as 0.0 x 10^{±0}

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on April 16, 2013.

* Nuclide analysis results of H-3, Gross α , and Gross β were announced on June 6, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 2E-2Bq/cm³, Gross α : Approx. 1E-4Bq/cm³, Sr-89: Approx. 5E-1Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

* Nuclides analysis of Sr-89 and Sr-90 were done by KAKEN Inc..

(Evaluation)

H-3, Gross β , and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <2/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 1 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	May 13, 2013	May 13, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	2.5E-01	2.7E-02
Cs-137 (Approx. 30 years)	5.1E-01	3.8E-02
H-3 (approx. 12yrs)	7.3E-01	1.9E-02
Gross α	ND	ND
Gross β	1.3E+00	5.3E-02
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	2.9E-01	ND

* O.OE±O is the same as O.O x 10^{±O}

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on May 14, 2013.

* Nuclide analysis results of H-3, Gross α , and Gross β were announced on June 6, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 2E-2Bq/cm³, Gross α : Approx. 1E-4Bq/cm³, Sr-89: Approx. 5E-1Bq/cm³, Sr-90: Approx. 5E-4Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3, Gross β , and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <3/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 1 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Jun 10, 2013	Jun 10, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.3E-01	ND
Cs-137 (Approx. 30 years)	2.9E-01	ND
H-3 (approx. 12yrs)	2.2E-01	2.3E+00
Gross α	ND	ND
Gross β	6.4E-01	1.5E-02
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	1.6E-01	ND

* O.OE±O is the same as O.O x 10^{±O}

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on June 11, 2013.

* Nuclide analysis results of H-3, Gross α , and Gross β were announced on June 6, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 1E-2Bq/cm³, Cs-134: Approx. 1E-2Bq/cm³, Cs-137: Approx. 2E-2Bq/cm³,
Gross α : Approx. 3E-3Bq/cm³, Sr-89: Approx. 3E-1Bq/cm³, Sr-90: Approx. 5E-4Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3, Gross β , and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <4/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 1 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Jul 15, 2013	Jul 15, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.5E-01	ND
Cs-137 (Approx. 30 years)	3.7E-01	ND
H-3 (approx. 12yrs)	2.1E-01	6.9E-02
Gross α	ND	ND
Gross β	7.6E-01	6.9E-03
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	1.4E-01	ND

* 0.OE±0 is the same as 0.O x 10^{±0}

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on July 13 and 16, 2013.

* Nuclide analysis results of H-3, Gross α , and Gross β were announced on June 6, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 2E-2Bq/cm³, Cs-134: Approx. 1E-2Bq/cm³, Cs-137: Approx. 2E-2Bq/cm³,
Gross α : Approx. 3E-3Bq/cm³, Sr-89: Approx. 2E-1Bq/cm³, Sr-90: Approx. 5E-4Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3, Gross β , and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <5/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 1 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Aug 16, 2013	Aug 16, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.3E-01	ND
Cs-137 (Approx. 30 years)	3.4E-01	ND
H-3 (approx. 12yrs)	3.6E-01	2.7E-02
Gross α	ND	ND
Gross β	7.1E-01	4.5E-03
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	1.0E-01	ND

* 0.0E±0 is the same as 0.0 x 10^{±0}

* Nuclide analysis results of I-131, Cs-134, and Cs-137 were announced on August 17, 2013.

* Nuclide analysis results of H-3, Gross α , and Gross β were announced on June 6, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 1E-2Bq/cm³, Cs-134: Approx. 2E-2Bq/cm³, Cs-137: Approx. 2E-2Bq/cm³,
Gross α : Approx. 1E-4Bq/cm³, Sr-89: Approx. 9E-2Bq/cm³, Sr-90: Approx. 5E-4Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3, Gross β , and Sr-90 were detected supposedly as a result of this accident.

Nuclides Analysis Result of Radioactive Materials of Sub-Drain <6/6>

(Data summarized on July 2)

Place of Sampling	Unit 2 Sub-Drain at Fukushima Daiichi NPS	Unit 5 Sub-Drain at Fukushima Daiichi NPS
Date of Sampling	Jan 10, 2014	Jan 10, 2014
Detected Nuclides (Half-life)	Density of Sample (Bq/cm ³)	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.7E-01	ND
Cs-137 (Approx. 30 years)	4.4E-01	ND
H-3 (approx. 12yrs)	4.2E-01	1.8E-02
Gross α	ND	ND
Gross β	1.4E+00	3.7E-03
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	3.2E-01	3.9E-05

* O.OE±O is the same as O.O x 10^{±O}

* Nuclide analysis results of I-131, Cs-134, Cs-137 were announced on January 11, 2014.

* When the measurement value is below the detection limit, "ND" is marked. The detection limits are as follows.

I-131: Approx. 1E-2Bq/cm³, Cs-134: Approx. 1E-2Bq/cm³, Cs-137: Approx. 2E-2Bq/cm³,

Gross α: Approx. 1E-4Bq/cm³, Sr-89: Approx. 4E-4Bq/cm³

As the detection limit may vary depending on the detectors and sample properties, there are cases where nuclides below the detection limit are detected.

(Evaluation)

H-3, Gross β, and Sr-90 were detected supposedly as a result of this accident.