

Nuclides Analysis Result of the Sub-drain of Fukushima Daiichi NPS<1/2>

Reference

(Data summarized on September 19)

Place of Sampling	Fukushima Daiichi NPS Unit 2 Sub-drain	Fukushima Daiichi NPS Unit 6 Sub-drain
Date of Sampling	Feb 11, 2013	Feb 8, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	2.0E-01	ND
Cs-137 (Approx. 30 years)	4.0E-01	ND
H-3 (approx. 12yrs)	2.9E+00	6.1E-02
All α	ND	ND
All β	1.6E+00	9.8E-03
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	5.2E-01	ND

\* 0.0E-0 is the same as 0.0 x 10<sup>-0</sup>

\* Nuclide analysis results of I-131, Cs-134, Cs-137 and Gross β were announced on February 9, 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/cm<sup>3</sup>, Cs-134: Approx. 2E-2Bq/cm<sup>3</sup>, Cs-137: Approx. 2E-2Bq/cm<sup>3</sup>, All α: Approx. 2E-3Bq/cm<sup>3</sup>,  
Sr-89: Approx. 7E+0Bq/cm<sup>3</sup>, Sr-90: Approx. 5E-4Bq/cm<sup>3</sup>

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)Although H-3, Gross β and Sr-90 were detected supposedly as a result of this accident, they are less than the density limit in the water which is specified by the announcement.

(Data summarized on September 19)

Place of Sampling	Fukushima Daiichi NPS Unit 2 Sub-drain	Deep Well at Fukushima Daiichi NPS
Date of Sampling	Mar 11, 2013	Mar 11, 2013
Detected Nuclides (Half-life)	Density of Sample (Bq/cm <sup>3</sup> )	
I-131 (Approx. 8 days)	ND	ND
Cs-134 (Approx. 2 years)	1.1E+00	ND
Cs-137 (Approx. 30 years)	2.2E+00	ND
H-3 (approx. 12yrs)	7.2E-01	7.0E-03
All $\alpha$	ND	ND
All $\beta$	1.0E+01	ND
Sr-89 (Approx. 51 days)	ND	ND
Sr-90 (Approx. 29 years)	3.7E+00	ND

\* 0.0E-0 is the same as  $0.0 \times 10^0$

\* Nuclide analysis results of I-131, Cs-134, Cs-137 and Gross  $\beta$  were announced on February 9, 2013, Nuclide analysis results of H-3, Gross  $\alpha$ , and Gross  $\beta$  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.  $3E-2Bq/cm^3$ , Cs-134: Approx.  $2E-2Bq/cm^3$ , Cs-137: Approx.  $2E-2Bq/cm^3$ , All  $\alpha$ : Approx.  $2E-3Bq/cm^3$ ,  
 All  $\beta$ : Approx.  $8E-3Bq/cm^3$ , Sr-89: Approx.  $8E+1Bq/cm^3$ , Sr-90: Approx.  $6E-4Bq/cm^3$

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)Although H-3, Gross  $\beta$  and Sr-90 were detected supposedly as a result of this accident, they are less than the density limit in the water which is specified by the announcement.