

## Result of Pu Analysis of Subdrain

1. Place of Sampling :

Unit 2 Sub drain of Fukushima Daiichi Nuclear Power Station  
Unit 5 Sub drain of Fukushima Daiichi Nuclear Power Station  
Unit 6 Sub drain of Fukushima Daiichi Nuclear Power Station

2. Analysis Institute : Japan Chemical Analysis Center

3. Result of Measurement :

( Unit : Bq/L )

Place of Sampling	Date	Pu-238	Pu-239, Pu-240
Unit 2 Sub drain of 1F	2/13	N.D. [ $<5.0 \times 10^{-7}$ ]	N.D. [ $<4.6 \times 10^{-7}$ ]
Unit 5 Sub drain of 1F		N.D. [ $<4.6 \times 10^{-7}$ ]	N.D. [ $<4.6 \times 10^{-7}$ ]
Unit 6 Sub drain of 1F		N.D. [ $<4.1 \times 10^{-7}$ ]	N.D. [ $<4.1 \times 10^{-7}$ ]

The value inside [ ] means detection limit.

4. Evaluation:

Pu-238, Pu-239, Pu-240 were not detected in the sample collected this time

End

## Result of nuclide analysis of samples from subdrain

(Data summarized on March 7)

Place of Sampling	Unit 2 subdrain, Fukushima Daiichi NPS	Unit 5 subdrain, Fukushima Daiichi NPS	Unit 6 subdrain, Fukushima Daiichi NPS
Date of sampling	Mar 02, 2012	Mar 02, 2012	Mar 02, 2012
Detected Nuclides (Half-life)	density of sample ( Bq/cm <sup>3</sup> )		
I-131 (about 8 days)	ND	ND	ND
Cs-134 (about 2 years)	5.0E-01	ND	ND
Cs-137 (about 30 years)	6.9E-01	ND	ND
H-3 (about 12 years)	1.7E+00	ND	1.6E-01
all α	ND	ND	ND
all β	2.4E+00	ND	ND
Sr-89 (about 51 days)	4.3E-02	ND	ND
Sr-90 (about 29 years)	5.7E-01	6.3E-04	ND

\* . E ± means . × 1 0 ±

\* I-131 , Cs-134 , Cs-137 were disclosed on Feb 14

\* In the case the measurement is under the detection threshold, "ND" is marked.

I-131: approx. 2E-2Bq/cm<sup>3</sup> , Cs-134: approx. 2E-2Bq/cm<sup>3</sup> , Cs-137: approx. 2E-2Bq/cm<sup>3</sup> ,

H-3: approx. 1E-1Bq/cm<sup>3</sup> , All α: approx. 4E-3Bq/cm<sup>3</sup> , All β: approx. 2E-2Bq/cm<sup>3</sup> ,

Sr-89: approx. 2E-4Bq/cm<sup>3</sup> , Sr-90: approx. 5E-5Bq/cm<sup>3</sup>

In addition, the detection threshold is different according to the detectors and the sample forms.

So, it is possible to detect the nuclide under detection threshold.

\* Nuclide analysis was conducted by Japan Chemical Analysis Center.

(Evaluation)

H-3, all β radiation, ,Sr-89,Sr-90 were detected. It is considered to derive from this accident.