

## Results of Dust Sampling at the opening of Reactor Building by T-Hawk

### Reactor Building of Unit 1

#### Work record

Time of flight 4:28 am to 5:57 am, on July 24, 2011

Organization TEPCO: 1, Cooperative firms: 10

Exposure dose Max: 0.47mSv, Minimum: 0.18mSv

#### Measurement environment

<Sampling point (visual estimation)>

East side\* of Reactor Building (Approx. 5 meter away from the outer wall)

Approx. 10 meter above the top of the steel frame of Reactor Building

<Weather>

Cloudy

<Direction and speed of wind>

Place: T-Hawk operation place (Front of the ultra high-voltage switching station of Unit 1 and 2)

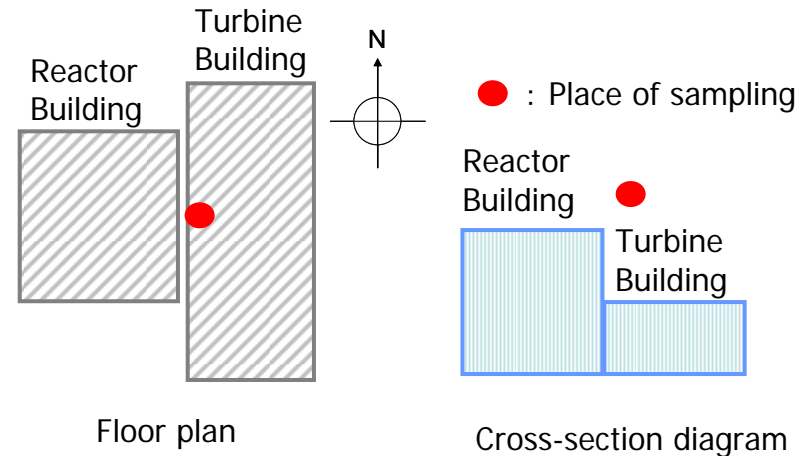
7/24 4 : 15 am West wind 2.2m/s

4 : 56 am West wind 1.3m/s

5 : 26 am West wind 1.3m/s

#### Measurement results

I-131	N.D	volatile : $<2.7 \times 10^{-5} \text{Bq/cm}^3$
		particulate : $<1.7 \times 10^{-5} \text{Bq/cm}^3$
Cs-134	N.D	volatile : $<7.5 \times 10^{-5} \text{Bq/cm}^3$
		particulate : $<4.5 \times 10^{-5} \text{Bq/cm}^3$
Cs-137	N.D	volatile : $<8.0 \times 10^{-5} \text{Bq/cm}^3$
		particulate : $<4.8 \times 10^{-5} \text{Bq/cm}^3$



## Results of Dust Sampling at the opening of Reactor Building by T-Hawk

### Reactor Building of Unit 2

#### Work record

Time of flight 5:06 am to 6:02 am, on July 22, 2011

Organization TEPCO: 1, Cooperative firms: 10

Exposure dose Max: 0.38mSv, Minimum: 0.21mSv

#### Measurement environment

<Sampling point (visual estimation)>

East side\* of Reactor Building (Approx. 5 meter away from the blow-out panel)

Approx. 10 meter above the top of the roof of Reactor Building

<Weather>

Cloudy

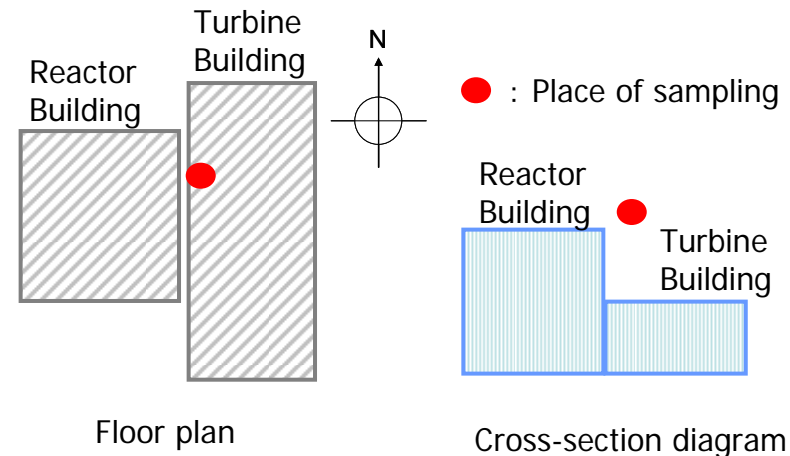
<Direction and speed of wind>

Place: T-Hawk operation place (Front of the ultra high-voltage switching station of Unit 1 and 2)

7/22 4 : 50 am West wind 3.3m/s

#### Measurement results

I-131	N.D	volatile : $<5.9 \times 10^{-5} \text{Bq/cm}^3$
		particulate : $<3.7 \times 10^{-5} \text{Bq/cm}^3$
Cs-134	$2.2 \times 10^{-4} \text{Bq/cm}^3$	
Cs-137	$2.7 \times 10^{-4} \text{Bq/cm}^3$	



## Results of Dust Sampling at the opening of Reactor Building by T-Hawk

### Reactor Building of Unit 3

#### Work record

Time of flight 4:37 am to 6:08 am, on July 23, 2011

Organization TEPCO: 1, Cooperative firms: 10

Exposure dose Max: 0.46mSv, Minimum: 0.24mSv

#### Measurement environment

<Sampling point (visual estimation)>

West side of Reactor Building (Approx. 5 meter away from the outer wall)

Approx. 10 meter above the top of the steel frame of Reactor Building

<Weather>

Cloudy, with intermittent rain

<Direction and speed of wind>

Place: T-Hawk operation place (Front of the ultra high-voltage switching station of Unit 1 and 2)

7/23 4 : 30 am East wind 0.8m/s

5 : 03 am West wind 1.1m/s

5 : 40 am Southwest wind 1.7m/s

#### Measurement results

I-131 N.D volatile :  $<2.4 \times 10^{-5} \text{Bq/ cm}^3$   
 particulate :  $<1.5 \times 10^{-5} \text{Bq/ cm}^3$

Cs-134 N.D volatile :  $<6.9 \times 10^{-5} \text{Bq/ cm}^3$   
 particulate :  $<4.5 \times 10^{-5} \text{Bq/ cm}^3$

Cs-137 N.D volatile性 :  $<7.5 \times 10^{-5} \text{Bq/ cm}^3$   
 particulate :  $<4.6 \times 10^{-5} \text{Bq/ cm}^3$

