

## Nuclides Analysis Result of the Radioactive Materials in the Air at the Upper Part of Unit 2 Reactor Building

(Data summarized on March 15)

| Place of Sampling                | Upper Part of Unit 2 Reactor Building<br>(The Center of the Blow-out Panel, West Side Upper ) |                         | Upper Part of Unit 2 Reactor Building<br>(The Center of the Blow-out Panel, West Side Lower ) |                         | Upper Part of Unit 2 Reactor Building<br>(The Center of the Blow-out Panel, West Side Upper ) |                         | Density Limit Specified by the Reactor Regulation<br>(Bq/cm <sup>3</sup> )<br>(Density limit in the air which radiation workers breathe in is specified in section 4 of Appendix 2) |
|----------------------------------|---|-------------------------|---|-------------------------|---|-------------------------|---|
| Time of Sampling                 | Mar 6, 2013<br>8:35 AM - 10:35 AM   |                         | Mar 6, 2013<br>8:35 AM - 10:35 AM   |                         | Mar 6, 2013<br>8:35 AM - 10:35 AM   |                         |   |
| Detected Nuclides<br>(Half-life) | Density of Sample<br>(Bq/cm <sup>3</sup> )  | Scaling Factor<br>( / ) | Density of Sample<br>(Bq/cm <sup>3</sup> )  | Scaling Factor<br>( / ) | Density of Sample<br>(Bq/cm <sup>3</sup> )  | Scaling Factor<br>( / ) |   |
| I-131<br>(Approx. 8 days)        | ND  | -                       | ND  | -                       | ND  | -                       |   |
| Cs-134<br>(Approx. 2 years)      | 7.7E-06   | 0.00                    | ND  | -                       | ND  | -                       | 2E-03   |
| Cs-137<br>(Approx. 30 years)     | 9.8E-06   | 0.00                    | ND  | -                       | ND  | -                       | 3E-03   |

\* The radioactivity density is the sum of the volatile nuclides density and the particulate nuclides density.

O.OE - O is the same as  $O.O \times 10^{-O}$

Data of other nuclides is under examination.

\* In the case of more than 2 nuclides, the sum of scaling factors to density limits is compared to 1.

\* "ND" indicates that the measurement result is below the detection limit.

The detection limits are as follows. Volatile: I-131: Approx. 2E-6Bq/cm<sup>3</sup>, Cs-134: Approx.5E-6Bq/cm<sup>3</sup>, Cs-137: Approx.6E-6Bq/cm<sup>3</sup>  
Particulate: I-131: Approx. 1E-6Bq/cm<sup>3</sup>, Cs-134: Approx.3E-6Bq/cm<sup>3</sup>, Cs-137: Approx.4E-6Bq/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.