

Result of Nuclide Analysis of Radioactive Materials in the Air at the Site of Fukushima Nuclear Power Stations

Reference

(Data summarized on May 20)

| Place of sampling            | West gate of Fukushima Daiichi                 |                      | MP-1 of Fukushima Daini (Reference)            |                      |  |                      | Density limit in the air to workers engaged in tasks associated with radiation ( Bq/cm <sup>3</sup> ) <sup>2</sup> |
|------------------------------|--|----------------------|--|----------------------|--|----------------------|--|
| Date and time of sampling    | 11:30-11:50<br>May 19th, 2011                  |                      | 9:11-9:21<br>May 19th, 2011                    |                      | 15:06-15:16<br>May 19th, 2011                  |                      |  |
| Detected nuclide (half-life) | Radioactivity density 1 ( Bq/cm <sup>3</sup> ) | Scaling factor ( / ) | Radioactivity density 1 ( Bq/cm <sup>3</sup> ) | Scaling factor ( / ) | Radioactivity density 1 ( Bq/cm <sup>3</sup> ) | Scaling factor ( / ) |  |
| I-131 (approx. 8 days)       | 8.1E-06  | 0.01                 | 2.9E-06  | 0.00                 | 2.2E-06  | 0.00                 |  |
| Cs-134 (approx. 2 years)     | 8.4E-06  | 0.00                 | 1.7E-05  | 0.01                 | 9.7E-06  | 0.00                 | 2E-03  |
| Cs-137 (approx. 30 years)    | 7.4E-06  | 0.00                 | 1.8E-05  | 0.01                 | 1.0E-05  | 0.00                 | 3E-03  |

1 The value of Radioactivity density is the sum of the value of volatile nuclide's density and the value of particulate nuclide's density

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Data of other nuclides are under examination.

2 Statutory density limit to the 3-month average density of radioactive nuclides contained in the air that humans breathe.

In the case of more than 2 nuclides, summation of scaling factor for each statutory density is compared to 1.